



AMERICAN SOCIETY OF TROPICAL MEDICINE & HYGIENE  
ADVANCING GLOBAL HEALTH SINCE 1903

# Late-Breaker Abstract Presentation Schedule Book



# 2024 Annual Meeting

November 13-17  
New Orleans, LA

New Orleans Ernest N. Morial Convention Center

**Advancing Science**  
**Building Community**  
**Together**

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## Late-Breaker Abstract Session 30

### Late-Breakers in Basic Science

Convention Center – Room 383/384/385 (3<sup>rd</sup> Floor)

Thursday, November 14, 12:15 p.m. - 1:30 p.m

#### CHAIR

Wei-Kung Wang

John A. Burns School of Medicine, University of Hawaii at Manoa, Honolulu, HI, United States

Yai Justin Doritchamou

National Institute of Allergy and Infectious Disease, Bethesda, MD, United States

#### 12:15 p.m.

##### LB-9157

**Mammalian hemopexin prevents blood meal heme toxicity in hematophagous insects and their transmitted pathogens**

**Francis M. De Souza Saraiva**, Thiago L. Alves E Silva, Patricia Hessab Alvarenga, Octavio A. Talyuli da Cunha, Ana Beatriz Barletta Ferreira, Heather M. Kudyba, Eva Iniguez, Shaden Kamhawi, Joel Vega-Rodriguez  
National Institutes of Health, Rockville, MD, United States

#### 12:25 p.m.

##### LB-9158

**Genetic screens identify complement receptor 1 (CR1) and SLC4A1/Band3 as red blood cell invasion receptors used by the *Plasmodium vivax* clade malaria parasites**

**Usheer Kanjee**<sup>1</sup>, Sheena Dass<sup>1</sup>, Christof Gruering<sup>1</sup>, Mudit Chaand<sup>1</sup>, Manish Kumar<sup>1</sup>, Joao A. Paulo<sup>2</sup>, Jonathan Goldberg<sup>1</sup>, Anjali Mascarenhas<sup>3</sup>, Ligia Pereira<sup>3</sup>, Mahmoud Mikdar<sup>1</sup>, Merryn Fraser<sup>1</sup>, Rimi Chakrabarti<sup>3</sup>, Edwin Gomes<sup>4</sup>, John Doench<sup>5</sup>, Pradipshin K. Rathod<sup>6</sup>, Manoj T. Duraisingh<sup>1</sup>  
<sup>1</sup>Harvard T.H. Chan School of Public Health, Boston, MA, United States, <sup>2</sup>Harvard Medical School, Boston, MA, United States, <sup>3</sup>University of Washington, Seattle, WA, United States, <sup>4</sup>Goa Medical College and Hospital, Bambolim, Goa, India, <sup>5</sup>Broad Institute, Cambridge, MA, United States, <sup>6</sup>Washington University, Seattle, WA, United States

#### 12:35 p.m.

##### LB-9159

**The *glmS* conditional knockdown system reveals PfERC as an essential protein for *P. falciparum* midgut infection**

**Heather M. Kudyba**<sup>1</sup>, Kelly Hanner<sup>1</sup>, Francis M. De Souza Saraiva<sup>1</sup>, Brendan Sweeney<sup>1</sup>, Tales Pascini<sup>2</sup>, Zarna Pala<sup>3</sup>, Vasant Muralidharan<sup>4</sup>, Joel Vega-rodriguez<sup>1</sup>  
<sup>1</sup>National Institutes of Health, Rockville, MD, United States, <sup>2</sup>Sanaria Inc., Rockville, MD, United States, <sup>3</sup>University of Maryland, College Park, MD, United States, <sup>4</sup>University of Georgia, Athens, GA, United States

#### 12:45 p.m.

##### LB-9160

**Novel strategy for the generation of antibodies for enhanced diagnosis of acute and chronic Chagas Disease using phage display technology**

**Melinda Baulig**<sup>1</sup>, Claudia Pena<sup>1</sup>, Barbara Lipes<sup>1</sup>, Caleb Hawkins<sup>2</sup>, Jihyan Lim<sup>2</sup>, Cassio Fontes<sup>1</sup>, Rick Tarleton<sup>2</sup>, Michael Dee Gunn<sup>1</sup>  
<sup>1</sup>Duke University School of Medicine, Durham, NC, United States, <sup>2</sup>University of Georgia, Athens, GA, United States

**12:55 p.m.**

**LB-9161**

**Genomics of *Klebsiella pneumoniae* and *Escherichia coli* in pediatric infectious diseases in Pakistan**

**Muhammad Imran Nisar**<sup>1</sup>, Samia Kanwar<sup>1</sup>, Furqan Kabir<sup>1</sup>, Aneeta Hotwani<sup>1</sup>, Joveria Farooq<sup>1</sup>, Najia Ghanchi<sup>1</sup>, Kathryn Holt<sup>2</sup>, Waqasuddin Khan<sup>1</sup>, Erum Khan<sup>1</sup>, Fyezah Jehan<sup>1</sup>  
<sup>1</sup>Aga Khan University, Karachi, Pakistan, <sup>2</sup>LSHTM, London, United Kingdom

**1:05 p.m.**

**LB-9162**

**Invasive *Anopheles stephensi* Larval Mosquito Surveillance Using the Environmental DNA**

**Chloe Wang**<sup>1</sup>, Yan Sun<sup>1</sup>, Dawit Hawaria Logita<sup>2</sup>, Teshome Degefa<sup>3</sup>, Ming-Chieh Lee<sup>1</sup>, Harry Le<sup>1</sup>, Delenasaw Yewhalaw<sup>3</sup>, Guiyun Yan<sup>1</sup>  
<sup>1</sup>University of California, Irvine, Irvine, CA, United States, <sup>2</sup>Hawassa University, Hawassa, Ethiopia, <sup>3</sup>Jimma University, Jimma, Ethiopia

**1:15 p.m.**

**LB-9163**

**Early Diagnosis of Human Leptospirosis by Detection of Antibodies to *Leptospira*-Secreted Virulence Modifying Protein Exotoxins**

**Jane O'Bryan**<sup>1</sup>, Reetika Chaurasia<sup>2</sup>, Suneth Agampodi<sup>3</sup>, Joseph Vinetz<sup>2</sup>  
<sup>1</sup>Los Angeles General Medical Center, Los Angeles, CA, United States, <sup>2</sup>Yale University, New Haven, CT, United States, <sup>3</sup>International Vaccine Institute, Seoul, Korea, Republic of

**Late-Breaker Abstract Session 77**  
**Late-Breakers in Clinical and Applied Sciences**  
Convention Center – Room 383/384/385 (3<sup>rd</sup> Floor)  
Friday, November 15, 12:15 p.m. - 1:30 p.m.

**CHAIR**

Miguel Cabada  
University of Texas Medical Branch, Galveston, TX, United States

Paige Waterman  
WRAIR, Bethesda, MD, United States

**12:15 p.m.**

**LB-9327**

**Efficacy, safety, and immunogenicity of CVD 1902, a live attenuated vaccine against *Salmonella Paratyphi A*; results from a controlled human infection study**

**Naina S. McCann**<sup>1</sup>, Margarete Paganotti Vicentine<sup>1</sup>, Melanie Greenland<sup>1</sup>, Xinxue Liu<sup>1</sup>, Maria Noshi<sup>1</sup>, Claudia Juarez Molina<sup>1</sup>, Nicole Day<sup>1</sup>, Nisha Singh<sup>1</sup>, Kate Emary<sup>1</sup>, Amy Flaxman<sup>2</sup>, Florence McLean<sup>1</sup>, Sophie Vernon<sup>1</sup>, Tom Darton<sup>3</sup>, Andrea M. Collins<sup>4</sup>, Christopher A. Green<sup>5</sup>, Rajeka Lazarus<sup>6</sup>, Saul Faust<sup>7</sup>, Brian Angus<sup>1</sup>, Maheshi Ramasamy<sup>1</sup>, Myron M. Levine<sup>8</sup>, Andrew J. Pollard<sup>1</sup>

<sup>1</sup>Oxford Vaccine Group, University of Oxford, Oxford, United Kingdom, <sup>2</sup>Jenner Institute, University of Oxford, Oxford, United Kingdom, <sup>3</sup>Clinical Infection Research Group, School of Medicine & Population Health, University of Sheffield, Medical School, Sheffield, United Kingdom, <sup>4</sup>Liverpool Vaccine Group, Liverpool School of Tropical Medicine, Liverpool, United Kingdom, <sup>5</sup>NIHR/Wellcome Clinical Research Facility, University Hospitals Birmingham NHS Foundation Trust & University of Birmingham, Birmingham, United Kingdom, <sup>6</sup>University Hospitals Bristol and Weston NHS Foundation Trust, Bristol, United Kingdom, <sup>7</sup>NIHR Southampton Clinical Research Facility, Southampton, United Kingdom, <sup>8</sup>Center for Vaccine Development, University of Maryland, Baltimore, MD, United States

**12:25 p.m.**

**LB-9328**

**Mpox in the Democratic Republic of Congo, 2010 - 2023: Analysis of over one decade of Epidemiological and Laboratory Surveillance Data**

**Eugene Bangwen**<sup>1</sup>, Ruth Diavita<sup>2</sup>, Elise De Vos<sup>1</sup>, Emmanuel Hasivirwe Vakaniaki<sup>2</sup>, Sabin Sabiti<sup>2</sup>, Isabel Brosius<sup>1</sup>, Emile Malembi<sup>3</sup>, Robert Shongo<sup>3</sup>, Aaron Abedi<sup>4</sup>, Annie Mutombo<sup>4</sup>, Felix Mulangu<sup>4</sup>, Daniel Mukadi-Bamuleka<sup>2</sup>, Steve Ahuka<sup>2</sup>, Laurens Liesenborghs<sup>1</sup>, Placide Mbala-Kingebeni<sup>2</sup>

<sup>1</sup>Institute of Tropical Medicine Antwerp Belgium, Antwerpen, Belgium, <sup>2</sup>National Institute of Biomedical Research, Kinshasa, Congo, Democratic Republic of the, <sup>3</sup>Ministry of Health - National Program for the Fight Against Mpox and Viral Hemorrhagic Fevers, Kinshasa, Congo, Democratic Republic of the, <sup>4</sup>Ministry of Health - Department of Epidemiological Surveillance, Kinshasa, Congo, Democratic Republic of the

**12:35 p.m.**

**LB-9329**

**Advances in filariasis population genomics provide opportunities to support elimination programs**

**Makedonka Mitreva**<sup>1</sup>, Young-Jun Choi<sup>1</sup>, Kerstin Fischer<sup>1</sup>, Pawan Kumar<sup>1</sup>, Shannon M. Hedtke<sup>2</sup>, Anusha Kode<sup>2</sup>, Nicholas Opoku<sup>3</sup>, Lincoln Gankpala<sup>4</sup>, Tony O. Ukety<sup>5</sup>, Jöel Lonema Mande<sup>5</sup>, Irina Diekmann<sup>1</sup>, Taniawati Supali<sup>6</sup>, Timothy JC Anderson<sup>7</sup>, Aboulaye Méité<sup>8</sup>, Benjamin G. Koudou<sup>9</sup>, Warwick N. Grant<sup>2</sup>, Peter Fischer<sup>1</sup>

<sup>1</sup>Washington University School of Medicine, St. Louis, MO, United States, <sup>2</sup>La Trobe University, Bundoora, Australia, <sup>3</sup>University of Health and Allied Sciences, Ho, Ghana, <sup>4</sup>National Public Health Institute of Liberia, Charlesville, Liberia, <sup>5</sup>Centre de Recherche en Maladies Tropicales, Rethy, Congo, Democratic Republic of the, <sup>6</sup>Universitas Indonesia, Jakarta, Indonesia, <sup>7</sup>Texas Biomedical Research Institute, San Antonio, TX, United States, <sup>8</sup>Programme National de la Lutte Contre la Schistosomiase, Les Geohelminthiases et la Filariose Lymphatique, Abidjan, Côte D'Ivoire, <sup>9</sup>Université Nangui Abrogoua, Abidjan, Côte D'Ivoire

**12:45 p.m.**

**LB-9330**

**Leveraging Machine Learning to Predict Pediatric Sepsis Mortality in Bangladesh**

**Kaden Bunch**<sup>1</sup>, Nidhi Kadakia<sup>2</sup>, Shamsun Nahar Shaima<sup>3</sup>, Gazi Md. Salahuddin Mamun<sup>3</sup>, Abu Sayem Mirza Md. Hasibur Rahman<sup>3</sup>, Elleen Kim<sup>1</sup>, Alicia Genisca<sup>4</sup>, Atin Jindal<sup>5</sup>, Monique Gainey<sup>6</sup>, Kikuyo Shaw<sup>7</sup>, Md. Tanveer Faruk<sup>3</sup>, Farzana Afroze<sup>3</sup>, Mohammad Jobayer Chisti<sup>3</sup>, Adam C. Levine<sup>4</sup>, Stephanie Chow Garbern<sup>4</sup>

<sup>1</sup>The Warren Alpert Medical School of Brown University, Providence, RI, United States, <sup>2</sup>Department of Emergency Medicine, Alpert Medical School of Brown University,, Providence, RI, United States, <sup>3</sup>International Centre for Diarrhoeal Disease Research, Bangladesh (icddr,b), Dhaka, Bangladesh, <sup>4</sup>Department of Emergency Medicine, Alpert Medical School of Brown University, Providence, RI, United States, <sup>5</sup>Division of Hospital Medicine, Lifespan Health System, Providence, RI, United States, <sup>6</sup>Virginia Tech Carilion School of Medicine, Roanoke, VA, United States, <sup>7</sup>Brown University, Providence, RI, United States

**12:55 p.m.**

**LB-9331**

**Wolbachia introgression in *Aedes aegypti* populations in a dengue-endemic city in Honduras, Central America**

**Denis Gustavo Escobar**<sup>1</sup>, Cindy Reyes<sup>2</sup>, Geisy Dueñas<sup>2</sup>, Maria Esther Araujo<sup>2</sup>, Osman Archaga<sup>2</sup>, Josselith Castañeda<sup>2</sup>, Stavros Dimopoulos<sup>2</sup>, Edgard Boquin<sup>2</sup>, Reinaldo Ortuño<sup>3</sup>, Iza Ciglenecki<sup>4</sup>, Nelson Grisales<sup>5</sup>, Alex Uribe<sup>5</sup>, Simon Kutcher<sup>6</sup>, Derek Johnson<sup>3</sup>

<sup>1</sup>Instituto de Investigaciones en Microbiología, Facultad de Ciencias, Universidad Nacional Autónoma de Honduras, Tegucigalpa, Honduras, <sup>2</sup>Médicos Sin Fronteras, Tegucigalpa, Honduras, <sup>3</sup>Médicos Sin Fronteras, Ciudad de México, Mexico, <sup>4</sup>Médecins Sans Frontières, Geneva, Switzerland, <sup>5</sup>World Mosquito Program, Bogota, Colombia, <sup>6</sup>World Mosquito Program, Clayton, Australia

**1:05 p.m.**

**LB-9332**

**Emodepside: a drug to change the helminth world**

**Lyndsay Taylor**<sup>1</sup>, Somphou Sayasone<sup>2</sup>, Sysouphanh Many<sup>2</sup>, Jan Hattendorf<sup>1</sup>, Jennifer Keiser<sup>1</sup>

<sup>1</sup>Swiss Tropical and Public Health Institute, Allschwil, Switzerland, <sup>2</sup>Lao Tropical and Public Health Institute, Vientiane, Lao People's Democratic Republic

**1:15 p.m.**

**LB-9333**

**Proof-of-efficacy Testing of the Na-GST-1/Alhydrogel Hookworm Vaccine using a Controlled Human Hookworm Infection Model**

**Caroline K. Thoreson**<sup>1</sup>, Elissa Malkin<sup>2</sup>, Sean M. Lee<sup>1</sup>, Guacyara Erwin<sup>2</sup>, Lara Hoeweler<sup>2</sup>, Larissa Scholte<sup>2</sup>, Maria Elena Bottazzi<sup>3</sup>, Peter J. Hotez<sup>3</sup>, Jeffrey M. Bethony<sup>2</sup>, David J. Diemert<sup>2</sup>

<sup>1</sup>George Washington Medical Faculty Associates, Washington, DC, United States, <sup>2</sup>George Washington University, Washington, DC, United States, <sup>3</sup>Baylor College of Medicine, Houston, TX, United States

## Late-Breaker Abstract Session 122

### Late-Breakers in Malaria

Convention Center – Room 391/392 (3<sup>rd</sup> Floor)

Saturday, November 16, 11:15 a.m. - 12:30 p.m.

#### CHAIR

Angela M. Early

Broad Institute of MIT and Harvard, Cambridge, MA, United States

Maisha Khair Nima

University of Notre Dame, Notre Dame, IN, United States

11:15 a.m.

LB-9498

**Impact of an integrated community intervention on antenatal care and pregnancy and birth outcomes in rural Mali and Burkina Faso : the INTEGRATION cluster randomized trial**

**Dofinissery Joel Bognini**<sup>1</sup>, Biébo Bihoun<sup>1</sup>, Mahamadou Dembelé<sup>2</sup>, Kadiatou Koita<sup>3</sup>, Sirima Traoré<sup>2</sup>, Toussaint Rouamba<sup>1</sup>, Oumou Coulibaly<sup>2</sup>, Jean-Baptiste N'takpé<sup>4</sup>, Dario Scaramuzzi<sup>5</sup>, Eve Worrall<sup>6</sup>, Jenny Hill<sup>6</sup>, Kassoum Kayentao<sup>2</sup>, Halidou Tinto<sup>1</sup>, Valérie Briand<sup>7</sup>

<sup>1</sup>Institut de Recherche en Sciences de la Santé (IRSS), Unité de Recherche Clinique de Nanoro, Nanoro, Burkina Faso, <sup>2</sup>University of Sciences Techniques and Technologies of Bamako Faculty of Medicine Odontostomatology, Department of Epidemiology of Parasitic Diseases (DEAP), Bamako, Mali, <sup>3</sup>Liverpool School of Tropical Medicine, Department of Clinical Sciences, UK, Liverpool, United Kingdom, <sup>4</sup>University of Bordeaux, National Institute for Health and Medical Research, Bordeaux, France, <sup>5</sup>R-Evolution Worldwide Srl Impresa Sociale (REvoWWIS), Naples, Italy, <sup>6</sup>Liverpool School of Tropical Medicine, Department of Clinical Sciences, Liverpool, United Kingdom, <sup>7</sup>Epicentre, Paris, France

11:22 a.m.

LB-9499

**Arg1+ alveolar macrophages protect against severe malaria during influenza coinfection**

**Jenna S. Reed**, Ritika Nayan, Margot Deckers, Brian D. Evavold, Tracey J. Lamb  
University of Utah, Salt Lake City, UT, United States

11:29 a.m.

LB-9500

**Ivermectin to reduce malaria transmission in Sub-Saharan Africa, The BOHEMIA cluster randomized trial in Kenya**

**Carlos Chaccour**<sup>1</sup>, Marta Maia<sup>2</sup>, Mercy Kariuki<sup>3</sup>, Paula Ruiz-Castillo<sup>1</sup>, Caroline Wanjiku<sup>2</sup>, Lydia Kasiwa<sup>2</sup>, Aurelia Brazeal<sup>3</sup>, Aina Casellas<sup>1</sup>, Mwanajuma Ngama<sup>3</sup>, Truphena Onyango<sup>2</sup>, Eldo Elobolobo<sup>4</sup>, Karisa Kazungu<sup>2</sup>, Mary Mael<sup>1</sup>, Winnie Wangari<sup>2</sup>, Khadija Nuru<sup>2</sup>, Rachel Otuko<sup>2</sup>, Almudena Sanz<sup>1</sup>, Isaac Ringera<sup>2</sup>, Allan Matano<sup>3</sup>, Starford Mitoro<sup>3</sup>, Marta Ribes<sup>1</sup>, Joe Brew<sup>4</sup>, Nika Gorski<sup>1</sup>, Patricia Nicolas<sup>1</sup>, Sara Stanulovic<sup>1</sup>, Sonia Tomas<sup>1</sup>, Isaiah Omondi<sup>2</sup>, Joanna Furnival-Adams<sup>1</sup>, Laura Tunez<sup>1</sup>, Jamal Mbarak<sup>3</sup>, Vegovito Vegove<sup>5</sup>, Esther Yaa<sup>3</sup>, Shadrack Mramba<sup>3</sup>, Yegon Kibet<sup>3</sup>, Naomi Nyambura<sup>3</sup>, Charles Rotich<sup>3</sup>, Scholastica Wanjiru<sup>3</sup>, Musa Vura<sup>3</sup>, Faith Wanjiku<sup>3</sup>, Leslie Sam<sup>6</sup>, Lisa Collins<sup>7</sup>, Kang Xia<sup>8</sup>, Felix Hammann<sup>9</sup>, Francisco Saute<sup>10</sup>, Matthew Rudd<sup>11</sup>, Cassidy Rist<sup>8</sup>, Caroline Jones<sup>2</sup>, Joseph Mwangangi<sup>3</sup>, Regina Rabinovich<sup>1</sup>

<sup>1</sup>Barcelona Institute for Global Health - Campus Clinic, Barcelona, Spain, <sup>2</sup>KEMRI Wellcome Trust Research Programme (KWTRP), Kilifi, Kenya, <sup>3</sup>Kenya Medical Research Institute, Centre for Vector-borne Disease Control, Kwale, Kenya, <sup>4</sup>Data Brew LLC, Gainesville, FL, United States, <sup>5</sup>Silverlining Mozambique, Mozambique, <sup>6</sup>Leslie Sam and Associated, Florida, FL, United States, <sup>7</sup>Innomas Clinical Research, Lagos, Nigeria, <sup>8</sup>Virginia Tech, Blacksburg, VA, United States, <sup>9</sup>Division of Clinical Pharmacology, Department of Internal Medicine, University Hospital Bern, Bern, Switzerland, <sup>10</sup>Centro de Investigação em Saúde de Manhiça, Manhiça, Mozambique, <sup>11</sup>Sewanee: The University of the South, Sewanee, TN, United States

**11:36 a.m.**

**LB-9501**

**Evaluation of salivary proteins as potential targets for malaria transmission-blocking interventions in mosquitoes.**

**Renuka E. Joseph**<sup>1</sup>, Patricia Hessab Alvarenga<sup>1</sup>, Eric Calvo<sup>1</sup>, Zarna Pala<sup>2</sup>, Joel Vega-Rodriguez<sup>1</sup>  
<sup>1</sup>National Institutes of Health, Rockville, MD, United States, <sup>2</sup>University of Maryland, College Park, MD, United States

**11:43 a.m.**

**LB-9502**

**Highly prevalent artemisinin partial resistant Kelch13 R622I and emerging C580Y mutation in *Plasmodium falciparum* parasites in Northwest Ethiopia**

**Ayalew Jejaw Zeleke**<sup>1</sup>, Abebe A. Fola<sup>2</sup>, George Tollefson<sup>2</sup>, Karamoko Niare<sup>2</sup>, Alec Leonetti<sup>2</sup>, Jacob Marglous<sup>2</sup>, Rebecca Crudale<sup>2</sup>, Asrat Hailu<sup>3</sup>, Mulugeta Aemero<sup>1</sup>, Jeffrey A. Bailey<sup>2</sup>  
<sup>1</sup>University of Gondar, Gondar, Ethiopia, <sup>2</sup>Brown University, Providence, RI, United States, <sup>3</sup>Addis Ababa University, Addis Ababa, Ethiopia

**11:50 a.m.**

**LB-9503**

**Mutations in a PfKelch13 interacting protein, PfkIC1 confer reduced susceptibility to artemisinin in *Plasmodium falciparum***

**Maisha Khair Nima**<sup>1</sup>, Nirjhar Bhattacharyya<sup>1</sup>, Jungyoon Park<sup>1</sup>, Sarah Gann<sup>1</sup>, Douglas Shoue<sup>1</sup>, Saiful A. Sazed<sup>2</sup>, Ching Swe Phru<sup>3</sup>, Mohammad Shafiul Alam<sup>3</sup>, Michael Ferdig<sup>1</sup>, Angana Mukherjee<sup>1</sup>  
<sup>1</sup>University of Notre Dame, Notre Dame, IN, United States, <sup>2</sup>Pennsylvania State University College of Medicine, Hershey, PA, United States, <sup>3</sup>icddr,b, Dhaka, Bangladesh

**11:57 a.m.**

**LB-9504**

**Population genomics and transcriptomics reveal a distinct genetic background of malaria artemisinin resistance in *P. falciparum* in Sub-Saharan Africa compared to Southeast Asia.**

**Zbynek Bozdech**<sup>1</sup>, Michal Kucharski<sup>1</sup>, Sourav Nayak<sup>1</sup>, Thomas J. Peto<sup>2</sup>, Arjen Dondorp<sup>3</sup>  
<sup>1</sup>Nanyang Technological University, Singapore, Singapore, <sup>2</sup>Mahidol-Oxford Tropical Medicine Research Unit, Faculty of Tropical Medicine, Mahidol University, Bangkok, Thailand, <sup>3</sup>Mahidol-Oxford Tropical Medicine Research Unit, Faculty of Tropical Medicine, Mahidol University, Bangkok, Thailand

**12:04 p.m.**

**LB-9425**

**KALUMI - A Phase II trial to evaluate the efficacy, safety and tolerability of the novel anti-malarial drug ganaplacide/lumefantrine in pediatric patients**

Issaka Sagara<sup>1</sup>, Rella Zoleko Manego<sup>2</sup>, Sodiomon Bienvenu Sirima<sup>3</sup>, Andre Toure Offianan<sup>4</sup>, Jean Bosco Ouedraogo<sup>5</sup>, Mulenge Kilowele<sup>6</sup>, Zhiyan Qian<sup>7</sup>, Celine Risterucci<sup>7</sup>, **Cornelis Winnips**<sup>7</sup>, Guoqin Su<sup>8</sup>, Anne Claire Marrast<sup>9</sup>, Myriam El Gaaloul<sup>9</sup>, Martin Peter Grobusch<sup>10</sup>, Abdoulaye Djimde<sup>1</sup>  
<sup>1</sup>University of Science, Technic and Technologies, Bamako, Mali, <sup>2</sup>CERMEL Albert Schweitzer Hospital, Lambarene, Gabon, <sup>3</sup>Groupe de Recherche Action en Sante (GRAS), Ouagadougou, Burkina Faso, <sup>4</sup>Pasteur Institute, Abidjan, Côte D'Ivoire, <sup>5</sup>Institute des Sciences et Techniques, Bobo Dioulasso, Burkina Faso, <sup>6</sup>Hopital General de Ref de Kenya, Lubumbashi, Congo, Democratic Republic of the, <sup>7</sup>Novartis Pharma AG, Basel, Switzerland, <sup>8</sup>Novartis Pharmaceuticals Corporation, Summit, NJ, United States, <sup>9</sup>Medicines for Malaria Venture, Geneva, Switzerland, <sup>10</sup>Center for tropical medicine and travel medicine, Amsterdam, Netherlands



**Late-Breaker Abstract Session 124**  
**Late-Breakers in Virology**  
Convention Center – Room 383/384/385 (3<sup>rd</sup> Floor)  
Saturday, November 16, 11:15 a.m. - 12:30 p.m.

**CHAIR**

Sandra Laurence Lopez-Verges  
*Gorgas Memorial Institute for Health Studies, Panama, Panama*

Jaime A. Cardona-Ospina  
*University of California, Berkeley, Berkeley, CA, United States*

**11:15 a.m.**

**LB-9505**

**Genomic characterization of a new Orbivirus with a high seroprevalence in sloths from Panama.**

**Sandra Laurence Lopez-Verges**<sup>1</sup>, Rita Corrales<sup>1</sup>, Yamilka Diaz<sup>1</sup>, Yaneth Pitti<sup>1</sup>, Lisseth Saenz<sup>1</sup>, Jean-Paul Carrera<sup>1</sup>, Maria Chen-German<sup>1</sup>, Celestino Aguilar<sup>1</sup>, Alexander Martinez<sup>1</sup>, Cecilia Artico Banho<sup>2</sup>, Nikolaos Vasilakis<sup>3</sup>, Azael Saldaña<sup>1</sup>  
<sup>1</sup>*Gorgas Memorial Institute for Health Studies, Panama, Panama*, <sup>2</sup>*Faculdade de Medicina de São José do Rio Preto, São José do Rio Preto, Brazil*, <sup>3</sup>*University of Texas Medical Branch, Galveston, TX, United States*

**11:25 a.m.**

**LB-9506**

**Revealing non-canonical sites for dengue virus maturation within replication organelles**

**Nattika Nantachit**<sup>1</sup>, Rungtawan Sriburi<sup>1</sup>, Pucharee Songprakhon<sup>2</sup>, Romchat Kraivong<sup>3</sup>, Poonsook Keelapang<sup>1</sup>, Bunpote Siridechadilok<sup>4</sup>, Watchara Kasinrer<sup>5</sup>, Prida Malasit<sup>3</sup>, Chunya Puttikhunt<sup>3</sup>, Nopporn Sittisombut<sup>1</sup>  
<sup>1</sup>*Department of Microbiology, Faculty of Medicine, Chiang Mai University, Chiang Mai, Thailand*, <sup>2</sup>*Division of Molecular Medicine, Research Department, Faculty of Medicine Siriraj Hospital, Mahidol University, Bangkok, Thailand*, <sup>3</sup>*Division of Dengue Hemorrhagic Fever Research, Faculty of Medicine, Siriraj Hospital, Mahidol University, Bangkok, Thailand*, <sup>4</sup>*National Science and Technology Development Agency, Pathumthani, Thailand*, <sup>5</sup>*Division of Clinical Immunology, Department of Medical Technology, Faculty of Associated Medical Sciences, Chiang Mai University, Chiang Mai, Thailand*

**11:35 a.m.**

**LB-9507**

**IgA-mediated neutrophil activation is associated with DHF/DSS in post-Zika secondary DENV2 infections**

**Jaime A. Cardona-Ospina**<sup>1</sup>, Sandra Bos<sup>1</sup>, Elias Duarte<sup>1</sup>, Gregorio Dias Jr.<sup>1</sup>, Jose V. Zambrana<sup>2</sup>, Vicky Roy<sup>3</sup>, Biana Bernshtein<sup>3</sup>, Guillermina Kuan<sup>4</sup>, Angel Balmaseda<sup>5</sup>, Galit Alter<sup>3</sup>, Eva Harris<sup>1</sup>  
<sup>1</sup>*Division of Infectious Diseases and Vaccinology, School of Public Health, University of California, Berkeley, Berkeley, CA, United States*, <sup>2</sup>*Sustainable Sciences Institute, Managua, Nicaragua*, <sup>3</sup>*Ragon Institute of MGH, MIT, and Harvard, Cambridge, MA, United States*, <sup>4</sup>*Centro de Salud Sócrates Flores Vivas, Ministerio de Salud, Managua, Nicaragua*, <sup>5</sup>*Laboratorio Nacional de Virología, Centro Nacional de Diagnóstico y Referencia, Ministerio de Salud, Managua, Nicaragua*

**11:45 a.m.**

**LB-9508**

**Chikungunya: Phase 3 Safety and Immunogenicity Six-Months Data of VLA1553, a Single-dose Live-attenuated Vaccine in Adolescents in Brazil - a Pivotal Trial**

**Vera Buerger**<sup>1</sup>, Andrea Pfeiffer<sup>1</sup>, Petra Schoengrundner<sup>1</sup>, Jutta Seebacher<sup>1</sup>, Romana Hochreiter<sup>1</sup>, Karin Kosulin<sup>1</sup>, Oliver Zoihs<sup>1</sup>, Petronela Weisova<sup>1</sup>, Ana Paula Loch<sup>2</sup>, Eolo Morandi Jr.<sup>2</sup>, Mauricio L. Nogueira<sup>3</sup>, Carlos AA de Brito<sup>4</sup>, Julio Croda<sup>5</sup>, Mauro M. Teixeira<sup>6</sup>, Ivo CB Coelho<sup>7</sup>, Ricardo Gurgel<sup>8</sup>, Allex J. da Fonseca<sup>9</sup>, Marcus VG de Lacerda<sup>10</sup>, Edson D. Moreira Jr<sup>11</sup>, Ana PR Veiga<sup>12</sup>, Katrin Dubischar<sup>1</sup>, Susanne Eder-Lingelbach<sup>1</sup>, Juan Carlos Jaramillo<sup>1</sup>  
<sup>1</sup>Valneva Austria GmbH, Vienna, Austria, <sup>2</sup>Instituto Butantan, Sao Paulo, Brazil, <sup>3</sup>Faculdade de Medicina Sao Jose Rio Preto, Sao Paulo, Brazil, <sup>4</sup>Instituto Autoimune, Pernambuco, Brazil, <sup>5</sup>Centro de Pesquisa Clínica da Faculdade de Medicina da Universidade Federal, Mato Grosso do Sul, Brazil, <sup>6</sup>CPDF - Universidade Federal de Minas Gerais, Instituto de Ciências Biológicas, Minas Gerais, Brazil, <sup>7</sup>Núcleo de Medicina Tropical, Ceará, Brazil, <sup>8</sup>Centro de Pesquisas Clínicas Universidade Federal Sergipe, Sergipe, Brazil, <sup>9</sup>CECOR - Centro Oncológico de Roraima, Roraima, Brazil, <sup>10</sup>Fundação de Medicina Tropical Dr. Heitor Vieira Dourado, Amazonas, Brazil, <sup>11</sup>CPEC da Associação Obras Sociais Irmã Dulce, Bahia, Brazil, <sup>12</sup>Centro de Estudos do Instituto de Infectologia Emílio Ribas, Sao Paulo, Brazil

**11:55 a.m.**

**LB-9509**

**Preliminary safety and immunogenicity from a phase I clinical trial of the Nipah Virus vaccine, ChAdOx1 NipahB, in UK adults**

**Daniel Jenkin**<sup>1</sup>, Rachel Kenneil<sup>1</sup>, Natalie Marchevsky<sup>2</sup>, Ilsa Haeusler<sup>1</sup>, Luisa Saldana Ortega<sup>2</sup>, Rachel White<sup>2</sup>, Yiyuan Zhang<sup>2</sup>, Mina Maallah<sup>1</sup>, Ella Morey<sup>2</sup>, Chidimma Nwankwo<sup>2</sup>, Nisha Panchal<sup>1</sup>, Emma Sheehan<sup>2</sup>, Jasmine Wright<sup>2</sup>, Emilie Vannaxay<sup>1</sup>, Gertraud Morshead<sup>2</sup>, Amy Boyd<sup>1</sup>, Andrew Pollard<sup>2</sup>, Sarah Gilbert<sup>1</sup>, Brian Angus<sup>3</sup>  
<sup>1</sup>Pandemic Science Institute, University of Oxford, Oxford, United Kingdom, <sup>2</sup>Oxford Vaccine Group, University of Oxford, Oxford, United Kingdom, <sup>3</sup>Centre for Tropical Medicine and Global Health, University of Oxford, Oxford, United Kingdom

**12:05 p.m.**

**LB-9510**

**Next-Generation Dengue Virus Serodiagnostics: Peptide-Based Approaches Over Traditional Protein Methods**

**Johanna Bouckaert**<sup>1</sup>, Francesca Falconi-Agapito<sup>2</sup>, Michael Talledo<sup>2</sup>, Ole Lagatie<sup>3</sup>, Kevin Ariën<sup>1</sup>  
<sup>1</sup>Institute of Tropical Medicine, Antwerp, Belgium, <sup>2</sup>Instituto de Medicina Tropical Alexander von Humboldt, Lima, Peru, <sup>3</sup>Janssen Pharmaceutica NV, a Johnson & Johnson company, Beerse, Belgium

**12:15 p.m.**

**LB-9511**

**Identification of CHIKV CD4+ T cell epitopes in chronic chikungunya viral arthritic disease**

**Rimjhim Agarwal**, Calvin Ha, Fernanda H. Cortes, Daniela Weiskopf  
La Jolla Institute for Immunology, La Jolla, CA, United States

## Poster Session 28

### Poster Session A Presentations

Thursday, November 14, Noon - 1:45 pm

Convention Center – Hall I-1 (1<sup>st</sup> Floor)

#### Late-Breakers in Basic Sciences

Basic Sciences - Arthropods/Entomology .....	#LB-9000 through LB-9012
Basic Sciences - Bacteriology and Diarrhea.....	#LB-9013 through LB-9015
Basic Sciences – Nematodes.....	#LB-9016 through LB-9022
Basic Sciences - HIV and Tropical Co-Infections .....	#LB-9023
Basic Sciences – Malaria .....	#LB-9024 through LB-9046
Basic Sciences - Coronaviruses .....	#LB-9047 through LB-9050
Basic Sciences – Viruses (all other viruses) .....	#LB-9051 through LB-9063

#### Late-Breakers in Clinical and Applied Sciences

Clinical and Applied Sciences - Arthropods/Entomology .....	#LB-9064 through LB-9074
Clinical and Applied Sciences – Cestodes .....	#LB-9075
Clinical and Applied Sciences - Global Health .....	#LB-9076 through LB-9090
Clinical and Applied Sciences -Malaria .....	#LB-9091 through LB-9127
Clinical and Applied Sciences - Measures for Control and Elimination of Neglected Tropical Diseases (NTDs).....	#LB-9128 through LB-9139
Clinical and Applied Sciences - HIV and Tropical Co-Infections .	#LB-9140 through LB-9141
Clinical and Applied Sciences Pneumonia, Respiratory Infections and Tuberculosis .....	#LB-9142 through LB-9149
Clinical and Applied Sciences - Water, Sanitation, Hygiene and Environmental Health .....	#LB-9150 through LB-9156

#### LB-9000

##### **Arboviral Surveillance in Charleston, SC: A Collaborative Academic-Public Investigation to Unearth Potential Travel-Associated Invasive Pathogen Introductions**

Ahalya Muraleedharan<sup>1</sup>, Andrew Pierson<sup>2</sup>, Arianna Cook<sup>1</sup>, Madeleine Meyer<sup>1</sup>, Kia Zellars<sup>1</sup>, Melissa Nolan<sup>1</sup>, Kyndall Dye-Braumuller<sup>1</sup>

<sup>1</sup>University of South Carolina, Columbia, SC, United States, <sup>2</sup>Charleston Mosquito Control Program, Charleston, SC, United States

#### LB-9001

##### **Spiroplasma effects on Glossina fuscipes fuscipes reproductive biology**

Giulia Fiorenza<sup>1</sup>, Riccardo Piccinno<sup>1</sup>, Ludvik Marcus Gomulski<sup>1</sup>, Giuliano Gasperi<sup>1</sup>, Serap Aksoy<sup>2</sup>, Brian Weiss<sup>2</sup>, Francesco Lescai<sup>1</sup>, Anna Rodolfa Malacrida<sup>1</sup>

<sup>1</sup>Università degli Studi di Pavia, Pavia, Italy, <sup>2</sup>Yale school of Public Health, New Haven, CT, United States

#### LB-9002

##### **Bioengineering a Potential Mosquito Symbiont**

Rachel S. Krizek, Travis van Warmerdam, Gerard Terradas, Jason L. Rasgon  
Penn State University, University Park, PA, United States

#### LB-9003

##### **Yeast cultures and their active metabolites affect West Nile Virus infection and replication in Culex tarsalis mosquitoes and cultured cells**

Jovana Bozic, Gerard Terradas, Jaime Manzano-Alvarez, Eunho Suh, Renuka E. Joseph, Kristine Werling, Jason L. Rasgon  
Penn State University, University Park, PA, United States

## Poster Session A Presentations

Thursday, November 14, Noon - 1:45 pm

Convention Center – Hall I-1 (1<sup>st</sup> Floor)

### LB-9004

#### Identifying novel mutations in insecticide resistance genes in pyrethroid-resistant *Anopheles gambiae* s.l. within the Democratic Republic of Congo

Bethanie Pelloquin<sup>1</sup>, Fiacre Agossa<sup>2</sup>, Narcisse Basosila<sup>3</sup>, Tiffany Clark<sup>2</sup>, Sheila B. Ogoma<sup>2</sup>, Miriam William<sup>2</sup>, Emile Zola Manzambi<sup>4</sup>, Francis Watsenga<sup>4</sup>, Emery Metelo<sup>4</sup>, Richard M. Oxborough<sup>5</sup>, Yibayiri Osse Sanogo<sup>6</sup>, Ferdinand Ntoya<sup>6</sup>, Thomas Walker<sup>7</sup>, Eric Mukomena<sup>3</sup>, **Louisa Alexandra Messenger**<sup>1</sup>  
<sup>1</sup>London School of Hygiene and Tropical Medicine, London, United Kingdom, <sup>2</sup>U.S President's Malaria Initiative Evolve Project, Maryland, MD, United States, <sup>3</sup>National Malaria Control Program, Kinshasa, Congo, Democratic Republic of the, <sup>4</sup>Institut National de Recherche Biomédicale, Kinshasa, Congo, Democratic Republic of the, <sup>5</sup>University of Nevada, Las Vegas, Las Vegas, NV, United States, <sup>6</sup>U.S President's Malaria Initiative, Kinshasa, Congo, Democratic Republic of the, <sup>7</sup>University of Warwick, Warwick, United Kingdom

### LB-9005

#### The effects of mating and blood feeding on the immune defense of female *Aedes aegypti* mosquitoes

**Dominique Joseph**<sup>1</sup>, Brendan Kelly<sup>2</sup>, Sarah Short<sup>1</sup>  
<sup>1</sup>The Ohio State University, Columbus, OH, United States, <sup>2</sup>University of Massachusetts-Amherst, Amherst, MA, United States

### LB-9006

#### Kissing Bugs in Delaware: *Trypanosoma cruzi* prevalence and human blood meals across land use types

**Alexander R. Kelley**, Hanna M. Cortes, Jennifer K. Peterson  
University of Delaware, Newark, DE, United States

### LB-9007

#### Development and Assessment of Novel Tick Field Trapping Strategies

**Abigail Lilak**<sup>1</sup>, Janerose Mutura<sup>2</sup>, Jeff Gruntmeir<sup>3</sup>, Maureen Kamau<sup>2</sup>, Griphin Ochieng<sup>2</sup>, Rashid Lebunge<sup>2</sup>, Nicole L. Achee<sup>4</sup>, John Greico<sup>5</sup>, Le Jiang<sup>6</sup>, Emily McDermott<sup>7</sup>, James Hassell<sup>8</sup>, Yvonne-Marie Linton<sup>9</sup>, Michael E. von Fricken<sup>1</sup>  
<sup>1</sup>University of Florida, College of Public Health and Health Professionals, Gainesville, FL, United States, <sup>2</sup>Mpala Research Center, Nanyuki,

Kenya, <sup>3</sup>Emerging Pathogens Institute, Gainesville, FL, United States, <sup>4</sup>University of Notre Dame, Department of Biological Sciences, Notre Dame, IN, United States, <sup>5</sup>University of Notre Dame, Department of Biological Sciences, Notre Dame, IN, United States, <sup>6</sup>Naval Medical Research Center (NMRC), Silver Springs, MD, United States, <sup>7</sup>Entomology and Plant Pathology, Dale Bumpers College of Agricultural, Food and Life Sciences, University of Arkansas, Fayetteville, AR, United States, <sup>8</sup>Global Health Program, Smithsonian Institution, Washington, DC, United States, <sup>9</sup>Walter Reed Biosystematics Unit (WRBU), Smithsonian Institution Museum Support Center, Suitland, MD, United States

### LB-9008

#### Enhancing Academic Training in Vector borne Diseases for Undergraduate and Graduate Students in the Rockies and High Plains Region of the USA

Corey Brelsfoard<sup>1</sup>, Rebekah Kading<sup>2</sup>, Nicole Kelp<sup>2</sup>, **Joseph McMillan**<sup>1</sup>, Elizabeth Hemming-Schoeder<sup>2</sup>, Karla Saavedra Rodriguez<sup>2</sup>, Christopher Roundy<sup>3</sup>, Timothy Burton<sup>4</sup>, Gregory White<sup>5</sup>, Ary Faraji<sup>5</sup>, Gregory Ebel<sup>2</sup>, Natalie Marzec<sup>3</sup>, Brian Foy<sup>2</sup>  
<sup>1</sup>Texas Tech University, Lubbock, TX, United States, <sup>2</sup>Colorado State University, Fort Collins, CO, United States, <sup>3</sup>Colorado Department of Public Health and Environment, Denver, CO, United States, <sup>4</sup>Colorado State University, Fort Collins, TX, United States, <sup>5</sup>Salt Lake City Mosquito Abatement District, Salt Lake City, UT, United States

### LB-9009

#### Assessing IgY antibody response against *Aedes albopictus*, *Culex quinquefasciatus*, and West Nile Virus (WNV) in avian communities in Louisiana

**Jacob Ford**<sup>1</sup>, Alyssa Schwinn<sup>1</sup>, Samuel Jameson<sup>1</sup>, Dawn Wesson<sup>1</sup>, Kevin Caillouet<sup>2</sup>, Berlin Londoño-Rentería<sup>1</sup>  
<sup>1</sup>Tulane University, New Orleans, LA, United States, <sup>2</sup>St. Tammany Parish Mosquito Abatement, St. Tammany, LA, United States

### LB-9010

#### Antibody responses against salivary proteins of the malaria vector *Anopheles (Kerteszia) neivai* in the Colombian Pacific region

**Alyssa Schwinn**<sup>1</sup>, Martha L. Aumada-Franco<sup>2</sup>, Manuela Herrera-Varela<sup>2</sup>, Rebecca Levine<sup>3</sup>, Audrey Lenhart<sup>3</sup>, Berlin L. Londono<sup>1</sup>  
<sup>1</sup>Tulane University, New Orleans, LA, United States, <sup>2</sup>Instituto Nacional de Salud, Bogota, Colombia, <sup>3</sup>Division of Parasitic Diseases, Malaria, Entomology Branch, Centers for Disease Control and Prevention (CDC), Atlanta, GA, United States

**Poster Session A Presentations**

Thursday, November 14, Noon - 1:45 pm

Convention Center – Hall I-1 (1<sup>st</sup> Floor)

**LB-9011**

**Anopheline monitoring after indoor residual spraying in gaza and inhambane provinces, southern mozambique**

**Mara Maquina**<sup>1</sup>, Ragendra Maharaj<sup>2</sup>, Pedro Aide<sup>1</sup>, Krijn Paaijmans<sup>3</sup>, Francisco Saute<sup>1</sup>  
<sup>1</sup>Manhica Health Research Center, Maputo, Mozambique, <sup>2</sup>South African Medical Research Council, Durban, South Africa, <sup>3</sup>School of Life Sciences Arizona State University, Arizona State University, AZ, United States

**LB-9012**

**A pilot field trial of freeze-dried beets as an oviposition lure for *Aedes aegypti* in New Orleans, Louisiana, USA**

**Nicole Luna**, Samuel B. Jameson, Brendan H. Carter, Dawn M. Wesson  
Tulane University, New Orleans, LA, United States

**LB-9013**

**Unraveling the Genomic Diversity of *Coxiella burnetii* strains from Australian Patients using Whole Genome Sequencing**

**Tarka Raj Bhatta**<sup>1</sup>, Mythili Tadepalli<sup>1</sup>, Karren Plain<sup>2</sup>, Stephen Graves<sup>1</sup>, John Stenos<sup>1</sup>  
<sup>1</sup>Australian Rickettsial Reference Laboratory, Geelong, Australia, <sup>2</sup>Elizabeth Macarthur Agricultural Institute, Menangle, Australia

**LB-9014**

**Genomic Insights of Persistent/ Recurrent *Campylobacter* Infections in Children from Peru**

**Francesca Schiaffino**<sup>1</sup>, Maribel Paredes Olorategui<sup>2</sup>, Pablo Peñataro Yori<sup>3</sup>, Katia Manzanares Villanueva<sup>2</sup>, Lucero Romaina Cachique<sup>2</sup>, Steven Huynh<sup>4</sup>, Evangelos Mourkas<sup>5</sup>, Ben Pascoe<sup>6</sup>, Kerry K. Cooper<sup>7</sup>, Craig T. Parker<sup>4</sup>, Margaret N. Kosek<sup>3</sup>  
<sup>1</sup>Universidad Peruana Cayetano Heredia, Lima, Peru, <sup>2</sup>Asociacion Benefica Prisma, Iquitos, Peru, <sup>3</sup>University of Virginia, Charlottesville, VA, United States, <sup>4</sup>Agricultural Research Service, U.S. Department of Agriculture, Produce Safety and Microbiology Research Unit, Albany, CA, United States, <sup>5</sup>Uppsala University, Uppsala, Sweden, <sup>6</sup>University of Oxford, Oxford, United Kingdom, <sup>7</sup>University of Arizona, Tucson, AZ, United States

**LB-9015**

**Antimicrobial activity of *Origanum vulgare* essential oil against *Staphylococcus aureus* and *Escherichia coli***

**Sonia Tejada-Muñoz**<sup>1</sup>, Denny Cortez<sup>1</sup>, Jesús Rascón<sup>2</sup>, Segundo G. Chavez<sup>2</sup>, Aline C. Caetano<sup>2</sup>, Rosa J. Díaz Manchay<sup>3</sup>, Julio Sandoval-Bances<sup>1</sup>, Sonia Huyhua<sup>4</sup>, Lizandro Gonzales<sup>5</sup>, Stella M. Chenet<sup>1</sup>, Rafael Tapia-Limonchi<sup>1</sup>

<sup>1</sup>Instituto de Investigación de Enfermedades Tropicales (IET), Universidad Nacional Toribio Rodríguez de Mendoza de Amazonas (UNTRM), Chachapoyas, Peru, <sup>2</sup>Instituto de Investigación para el Desarrollo Sustentable de Ceja de Selva (INDES-CES), Universidad Nacional Toribio Rodríguez de Mendoza de Amazonas (UNTRM), Chachapoyas, Peru, <sup>3</sup>Universidad Católica Santo Toribio de Mogrovejo, Chiclayo, Peru, <sup>4</sup>Instituto de Salud Integral Intercultural, Facultad de Ciencias de la Salud, Universidad Nacional Toribio Rodríguez de Mendoza de Amazonas (UNTRM), Chachapoyas, Peru, <sup>5</sup>Dirección Regional de Salud de Amazonas, Chachapoyas, Peru

**LB-9016**

**The importance of the diagnostic test employed when considering stopping or reducing the frequency of mass drug administration to control schistosome infections**

**Birhan Mengistu Abteu**  
Imperial College London, Addis Abeba, Ethiopia

**LB-9017**

**The RNA virome of human and animal parasitic nematodes**

Shannon Quek<sup>1</sup>, Amber Hadermann<sup>2</sup>, Yang Wu<sup>1</sup>, Lander De Coninck<sup>3</sup>, Shrilakshmi Hedge<sup>1</sup>, Jordan R. Boucher<sup>1</sup>, Jessica Cresswell<sup>1</sup>, Ella Foreman<sup>1</sup>, Andrew Steven<sup>1</sup>, James LaCourse<sup>1</sup>, Stephen A. Ward<sup>1</sup>, Samuel Wanji<sup>4</sup>, Grant L. Hughes<sup>1</sup>, Edward I. Patterson<sup>5</sup>, Simon C. Wagstaff<sup>1</sup>, Joseph D. Turner<sup>1</sup>, Rhys H. Parry<sup>6</sup>, Alain Kohl<sup>1</sup>, Eva Heinz<sup>1</sup>, Kenneth B. Otábil<sup>7</sup>, Jelle Matthijnssens<sup>3</sup>, Robert Colebunders<sup>2</sup>, **Mark J. Taylor**<sup>1</sup>  
<sup>1</sup>Liverpool School of Tropical Medicine, Liverpool, United Kingdom, <sup>2</sup>University of Antwerp, Antwerp, Belgium, <sup>3</sup>KU Leuven, Leuven, Belgium, <sup>4</sup>University of Buea, Buea, Cameroon, <sup>5</sup>Brock University, St. Catharines, OR, Canada, <sup>6</sup>University of Queensland, Brisbane, Australia, <sup>7</sup>University of Energy and Natural Resources, Sunyani, Ghana

**Poster Session A Presentations**

Thursday, November 14, Noon - 1:45 pm

Convention Center – Hall I-1 (1<sup>st</sup> Floor)

**LB-9018**

**Wildlife Reservoirs: Examining *Strongyloides stercoralis* and *Trichuris trichiura* Infections and Their Human Health Implications**

**Joanita Asirifi Yeboah**<sup>1</sup>, Winnifred Offih-Kyei<sup>1</sup>, Caleb K. Danso-Coffie<sup>1</sup>, Rhoda Yeboah<sup>1</sup>, Andrew Obese<sup>1</sup>, Emmanuel Bofo<sup>1</sup>, Phillip Banahene<sup>1</sup>, Talent Senanu<sup>1</sup>, Elinam Agbobli<sup>1</sup>, Godfred Futagbi<sup>2</sup>, Langbong Bimi<sup>2</sup>, Daniel Oduro<sup>2</sup>

<sup>1</sup>*Noguchi Memorial Institute for Medical Research, Accra, Ghana*, <sup>2</sup>*Department of Animal Biology and Conservation Science, University of Ghana, Accra, Ghana*

**LB-9019**

**Localization of a calcium binding protein *OvDig-1* in adult *Onchocerca volvulus***

**Kerstin Fischer**<sup>1</sup>, Lucia S. Di Maggio<sup>1</sup>, Devyn Yates<sup>1</sup>, Nicholas Opoku<sup>2</sup>, Peter U. Fischer<sup>1</sup>

<sup>1</sup>*Division of Infectious Diseases, Washington University School of Medicine, St. Louis, MO, United States*, <sup>2</sup>*Fred Newton Binka School of Public Health, University of Health and Allied Sciences, Ho, Ghana*

**LB-9020**

**Characterization of a filaria-specific *Onchocerca volvulus* protein as a potential biomarker for active infection**

**Adebiyi A. Adeniran**, Kerstin Fischer, Gary J. Weil, Peter U. Fischer

*Washington University School of Medicine, St Louis, MO, United States*

**LB-9021**

**Integration of transmission assessment survey for lymphatic filariasis and post stop onchocerciasis MDA surveillance in Saraya health district, Senegal**

**Rose Monteil**<sup>1</sup>, Ngayo Sy<sup>2</sup>, Ndeye Mbacke Kane<sup>2</sup>, Alioune Seck<sup>2</sup>, Babacar B. Diallo<sup>1</sup>, Dame Thioub<sup>1</sup>, Yasmin Reyes<sup>3</sup>, Ernest Mensah<sup>4</sup>, Kisito Ogoussan<sup>1</sup>  
<sup>1</sup>*FHI 360, Dakar, Senegal*, <sup>2</sup>*Ministry of Health and Social Action, Dakar, Senegal*, <sup>3</sup>*FHI 360, District of Columbia, DC, United States*, <sup>4</sup>*FHI 360, Abidjan, Côte D'Ivoire*

**LB-9022**

**Two-stage juvenile-adult model of Schistosomiasis and its implications for disease**

**transmission, persistence, breakpoints and control outcomes.**

**David Gurarie**

*Case Western Reserve University, Cleveland, OH, United States*

**LB-9023**

**Immune activation and exhaustion markers expressed on T-Cells in HIV-TB Co-infected Patients on Antiretroviral Therapy in Ghana**

**Helena Lamptey**<sup>1</sup>, James O. Aboagye<sup>1</sup>, Abigail A. Pobee<sup>1</sup>, Anthony T. Boateng<sup>1</sup>, Christopher Z-Y. Abana<sup>1</sup>, Jonathan Klutse<sup>1</sup>, Dzidzor A. Attoh<sup>1</sup>, Kwadwo A. Kusi<sup>1</sup>, Evelyn Y. Bonney<sup>1</sup>, George B. Kyei<sup>2</sup>

<sup>1</sup>*Noguchi Memorial Institute for Medical Research, University of Ghana, Accra, Ghana*, <sup>2</sup>*Department of Medicine, Washington University School of Medicine in St Louis, St Louis, MO, United States*

**LB-9024**

**Circulation of Non-falciparum species in Niger: Implications for malaria diagnosis.**

**Mamane Nassirou GARBA**<sup>1</sup>, Lamine MAHAMAN MOUSTAPHA<sup>2</sup>, Djiby SOW<sup>1</sup>, Aichatou KARIMOUN<sup>3</sup>, Ibrahima ISSA<sup>4</sup>, Mamane Kabirou SANOUSSI<sup>5</sup>, Mamadou Alpha DIALLO<sup>1</sup>, Mahamadou DOUTCHI<sup>6</sup>, Khadim DIONGUE<sup>1</sup>, Maman Laminou IBRAHIM<sup>4</sup>, Daouda NDIAYE<sup>1</sup>, Aida Sadikh BADIANE<sup>1</sup>

<sup>1</sup>*CIGASS, Dakar, Senegal*, <sup>2</sup>*FST-UAS, Zinder, Niger*, <sup>3</sup>*HDZ-DS, Zinder, Niger*, <sup>4</sup>*CERMES, Niamey, Niger*, <sup>5</sup>*PNLP/NMCP, Noamey, Niger*, <sup>6</sup>*FSS-UAS, Zinder, Niger*

**LB-9025**

***Plasmodium falciparum* Transmission Dynamics in Relation to Gametocytemia, Hemoglobin Variants and Age in Bancoumana and Doneguebougou Communities, Mali**

**Amatigue Zeguime**<sup>1</sup>, M'Bouye Doucoure<sup>1</sup>, Daman Sylla<sup>1</sup>, Merepen dite Agnes Guindo<sup>1</sup>, Sintry Sanogo<sup>1</sup>, Sidiki Perou<sup>1</sup>, Moussa Tienta<sup>1</sup>, Mahamadoun H Assadou Maiga<sup>1</sup>, Abdoulaye Katile<sup>1</sup>, Mamady Kone<sup>1</sup>, Boubacar Traore<sup>1</sup>, Jordyn Manucci<sup>2</sup>, Justin Doritchamou<sup>3</sup>, Jennifer Hume<sup>3</sup>, Patrick Duffy<sup>3</sup>, Issaka Sagara<sup>1</sup>, Abdoulaye Djimde<sup>1</sup>

<sup>1</sup>*Malaria Research and Training Center (MRTC), Bamako, Mali*, <sup>2</sup>*Division of Intramural Research, National Institute of Allergy and Infectious Diseases, Rockville, Maryland, USA*, <sup>3</sup>*Laboratory of Malaria Immunology and Vaccinology, Bethesda, WA, United States*

## Poster Session A Presentations

Thursday, November 14, Noon - 1:45 pm

Convention Center – Hall I-1 (1<sup>st</sup> Floor)

### LB-9026

#### Country scale assessment of *Plasmodium falciparum* resistance to artemisinin and partner drugs in Mali.

Aminatou Kone<sup>1</sup>, Sekou Sissoko<sup>1</sup>, Antoine Dara<sup>1</sup>, Fatoumata Maiga<sup>1</sup>, Hinda Doukoure<sup>2</sup>, Kadidia Doumbia<sup>1</sup>, Mamadou Tekete<sup>1</sup>, Abdoulaye Djimde<sup>1</sup>  
<sup>1</sup>USTTB, Bamako, Mali, <sup>2</sup>Pathogens genomics Diversity Network Africa, Bamako, Mali

### LB-9027

#### Prevalence of *Microsporidia MB* and associated microbiota in wild *Anophelines* from Coastal Kenya

Caroline Wanjiku<sup>1</sup>, Kelly Ominde<sup>1</sup>, Mark K. Tefero<sup>2</sup>, Harun Musani<sup>1</sup>, Mure Festus<sup>1</sup>, Nzai Gabriel<sup>1</sup>, Caroline Kiuru<sup>3</sup>, Jonathan Karisa<sup>1</sup>, Zedekiah Ondieki<sup>1</sup>, Simon Muriu<sup>4</sup>, George Githinji<sup>1</sup>, Martin Rono<sup>1</sup>, Joseph Mwangangi<sup>1</sup>, Marta Maia<sup>5</sup>  
<sup>1</sup>KEMRI Wellcome Trust Research Programme, Centre for Geographic Medicine Research-Coast, Kilifi, Kenya, <sup>2</sup>KEMRI Wellcome Trust Research Programme, Centre for Geographic Medicine Research-Coast and Pwani University, Kilifi, Kenya, <sup>3</sup>Centro de Investigaçao em Saude de Manhiça, Mozambique and Barcelona Institute of Global Health (ISGlobal), Barcelona, Spain, <sup>4</sup>Pwani University, Kilifi, Kenya, <sup>5</sup>KEMRI Wellcome Trust Research Programme, Centre for Geographic Medicine Research- Coast and Centre for Global Health and Tropical Medicine, University of Oxford, Oxford, United Kingdom

### LB-9028

#### Expanding the utility of *Plasmodium* genetic crosses using nanopore long-read genome assemblies for parental parasites and progeny

Xue Li<sup>1</sup>, Shalini Nair<sup>1</sup>, Marina McDew-White<sup>1</sup>, Lisa Checkley<sup>2</sup>, Sudhir Kumar<sup>3</sup>, Katie Button-Simons<sup>2</sup>, Stefan Kappe<sup>3</sup>, Francois Nosten<sup>4</sup>, Ashley Vaughan<sup>3</sup>, Michael Ferdig<sup>2</sup>, Ian Cheeseman<sup>1</sup>, Tim Anderson<sup>1</sup>  
<sup>1</sup>Texas Biomedical Research Institute, SAN ANTONIO, TX, United States, <sup>2</sup>University of Notre Dame, Notre Dame, IN, United States, <sup>3</sup>Seattle Children's Research Institute, Seattle, WA, United States, <sup>4</sup>Mahidol University, Mae Sot, Thailand

### LB-9029

#### Prevalence of and factors associated with mixed species infection in patients diagnosed with *falciparum* malaria in Uganda

Thomas Katairo<sup>1</sup>, Bienvenu Nsengimaana<sup>1</sup>, Francis D. Semakuba<sup>1</sup>, Stephen Tukwasibwe<sup>1</sup>, Innocent Wiringilimaana<sup>1</sup>, Caroline Mwubaha<sup>1</sup>, Brian K. Asimwe<sup>1</sup>, Jackie Nakasaanya<sup>1</sup>, Victor Asua<sup>1</sup>, Shahiid Kiyaga<sup>1</sup>, Monica Mbabazi<sup>1</sup>, Kisakye Diana Kabbale<sup>1</sup>, Jerry Mulondo<sup>1</sup>, Samuel L. Nsohya<sup>1</sup>, Moses R. Kamya<sup>1</sup>, Isaac Ssewanyana<sup>1</sup>, Bryan Greenhouse<sup>2</sup>, Andres Aranda-Diaz<sup>2</sup>, Philip J. Rosenthal<sup>2</sup>, Melissa D. Conrad<sup>2</sup>, Jessica Briggs<sup>2</sup>  
<sup>1</sup>Infectious Diseases Research Collaboration, Kampala, Uganda, <sup>2</sup>University of California, San Francisco, CA, United States

### LB-9030

#### Genomic epidemiology of *pfrp 2/3* deletions in South America

Isabela Gerdes Gyuricza<sup>1</sup>, Abebe A. Fola<sup>2</sup>, Alfred Simkin<sup>2</sup>, Jonathan J. Juliano<sup>1</sup>, Jeffrey A. Bailey<sup>2</sup>, Hugo Valdivia<sup>3</sup>, Jonathan B. Parr<sup>1</sup>  
<sup>1</sup>University of North Carolina at Chapel Hill, Chapel Hill, NC, United States, <sup>2</sup>Brown University, Providence, RI, United States, <sup>3</sup>U.S. Naval Medical Research Unit SOUTH (NAMRU SOUTH), Lima, Peru

### LB-9031

#### Preliminary Findings from Entomological Adaptive Sampling Framework in Ghana

Christian Atta-Obeng<sup>1</sup>, Otubea Akrofi<sup>1</sup>, Samuel Oppong<sup>1</sup>, Ernest Boampong<sup>1</sup>, Samuel Dadzie<sup>2</sup>, Neil Lobo<sup>3</sup>, Steve Gowelo<sup>4</sup>, Mercy Opiyo<sup>4</sup>, Edward Thompson<sup>4</sup>, Luigi Shedd<sup>5</sup>, Jalilian Abdollah<sup>5</sup>, Élodie Vajda<sup>4</sup>, Allison Tartasky<sup>4</sup>, Keziah Malm<sup>1</sup>  
<sup>1</sup>National Malaria Elimination Program, Accra, Ghana, <sup>2</sup>Noguchi Memorial Institute for Medical Research, Accra, Ghana, <sup>3</sup>University of Notre Dame, Indiana, IN, United States, <sup>4</sup>University of San Francisco, San Francisco, CA, United States, <sup>5</sup>Lancaster University, Lancaster, United Kingdom

## Poster Session A Presentations

Thursday, November 14, Noon - 1:45 pm

Convention Center – Hall I-1 (1<sup>st</sup> Floor)

### LB-9032

#### Down-selection and manufacture of a next-generation epitope-based malaria vaccine candidate

**Sheetij Dutta**<sup>1</sup>, Emma Ryan<sup>1</sup>, William Harrison<sup>1</sup>, Shelby Foor<sup>1</sup>, Dallas R. Brown<sup>1</sup>, Yewel Flores-Garcia<sup>2</sup>, Fidel Zavala<sup>2</sup>, Randall S. MacGill<sup>3</sup>, Emily Locke<sup>4</sup>, Jessica S. Bolton<sup>1</sup>, Elke Bergmann-Leitner<sup>1</sup>, Arnel Belmonte<sup>5</sup>, Nonenipha Rangel<sup>5</sup>, Wathsala Wijaylath<sup>5</sup>, Kutub Ashraf<sup>1</sup>, Alison E. Roth<sup>1</sup>, Evelina Angov<sup>1</sup>, Paul M. Robben<sup>1</sup>, Shikha Sharma<sup>1</sup>, Gary Matyas<sup>6</sup>, Lorraine Soisson<sup>7</sup>, Robin Miller<sup>7</sup>, Shreeram Nallar<sup>1</sup>, Adrian Batchelor<sup>1</sup>

<sup>1</sup>WRAIR, Silver Spring, MD, United States, <sup>2</sup>Molecular Microbiology and Immunology, Johns Hopkins University, Baltimore, MD, United States, <sup>3</sup>Center for Vaccine Innovation and Access, PATH, Washington, DC, United States, <sup>4</sup>Center for Vaccine Innovation and Access, PATH,, Washington, DC, United States, <sup>5</sup>NMRC, Silver Spring, MD, United States, <sup>6</sup>Laboratory of Antigen and Adjuvant Research, US Military HIV Research Program, Walter Reed Army Institute of Research, Silver Spring, MD, United States, <sup>7</sup>United States Agency for International Development, Washington, DC, United States

### LB-9033

#### Trends in Service Women's Malaria Prophylaxis Exposure During Pregnancy across Military Deployment Periods, 2011-2023

**Zoe Solomon**<sup>1</sup>, Elizabeth H. Lee<sup>2</sup>, Apriy Susi<sup>1</sup>, Siddarth Sharma<sup>1</sup>, Patrick W. Hickey<sup>2</sup>, Alison Helfrich<sup>2</sup>  
<sup>1</sup>Henry M Jackson Foundation, Bethesda, MD, United States, <sup>2</sup>Uniformed Services University, Bethesda, MD, United States

### LB-9034

#### High antibody response and resolution of parasitemia in the absence of CD4<sup>+</sup> T cells during blood stage *Plasmodium yoelii* malaria infection

**Clifford T. H. Hayashi**, Hong Zheng, Sidharth Srivastava, Victoria F. Majam, Miranda S. Oakley, Sanjai Kumar  
FDA, Silver Spring, MD, United States

### LB-9035

#### Geospatial Analysis of the Distribution and Incidence Trends of Malaria Strains to Inform Control Strategies

Natalie Lemos, Axel Mendez, Mikailie Carabin, Craig Gillen, **Christopher Campbell**  
AdventHealth University, Orlando, FL, United States

### LB-9036

#### Country scale genomic surveillance of malaria: Plasmodium species detection using Nanopore technology in Mali

**Sekou SISSOKO**<sup>1</sup>, Aminatou Kone<sup>1</sup>, Antoine Dara<sup>1</sup>, Fatoumata O. Maiga<sup>1</sup>, Hinda Doucoure<sup>2</sup>, Kadia Doumbia<sup>1</sup>, Mamadou Tekete<sup>1</sup>, Abdoulaye A. Djimde<sup>1</sup>  
<sup>1</sup>MRTC, Bamako, Mali, <sup>2</sup>Pathogens genomics Diversity Network Africa, Imm. Gwancoura, Sotuba, Bamako, Mali, Bamako, Mali

### LB-9037

#### Pivotal role of *Plasmodium falciparum* lysophospholipid acyltransferase 1 (PflPLAT1) in cell cycle progression and cytostome internalization

**Junpei Fukumoto**<sup>1</sup>, Minako Yoshida<sup>2</sup>, Shinya Miyazaki<sup>3</sup>, Suzumi M. Tokuoka<sup>4</sup>, Eri Saki H. Hayakawa<sup>5</sup>, Takaya Sakura<sup>6</sup>, Daniel Ken Inaoka<sup>7</sup>, Kiyoshi Kita<sup>8</sup>, Jiro Usukura<sup>9</sup>, Fuyuki Tokumasu<sup>10</sup>  
<sup>1</sup>Division of Malaria Research, Proteo-Science Center, Ehime University, Ehime, Japan, <sup>2</sup>Department of Molecular Infection Dynamics, Division of Shionogi Global Infectious Diseases Division, Institute of Tropical Medicine, Nagasaki, Japan, <sup>3</sup>Department of Protozoology, Institute of Tropical Medicine, Nagasaki University, Nagasaki, Japan, <sup>4</sup>Department of Lipidomics, Graduate School of Medicine, University of Tokyo, Tokyo, Japan, <sup>5</sup>Division of Medical Zoology, Department of Infection and Immunity, Jichi Medical University, Tochigi, Japan, <sup>6</sup>Department of Molecular Infection Dynamics, Division of Shionogi Global Infectious Diseases Division, Institute of Tropical Medicine, Nagasaki University, Nagasaki, Japan, <sup>7</sup>Department of Molecular Infection Dynamics, Division of Shionogi Global Infectious Diseases Division, Institute of Tropical Medicine, Nagasaki University; School of Tropical Medicine and Global Health, Nagasaki University, Nagasaki, Japan, <sup>8</sup>School of Tropical Medicine and Global Health, Nagasaki University; Department of Host-Defense Biochemistry, Institute of Tropical Medicine, Nagasaki University, Nagasaki, Japan, <sup>9</sup>Institute of Materials and Systems for Sustainability, Nagoya University, Aichi, Japan, <sup>10</sup>Department of Laboratory Sciences, Graduate School of Health Sciences, Gunma University, Gunma, Japan



## Poster Session A Presentations

Thursday, November 14, Noon - 1:45 pm

Convention Center – Hall I-1 (1<sup>st</sup> Floor)

### LB-9038

#### **Pfs230D1-CRM197 Protein-protein conjugate vaccine targeting malaria transmission: Effect of linker substitution levels on the molecular weight and immunogenicity**

**Puthupparampil V. Scaria**<sup>1</sup>, Beth Chen<sup>1</sup>, Olga Muratova<sup>1</sup>, Nada Alani<sup>1</sup>, Justin Doritchamou<sup>1</sup>, Lynn E. Lambert<sup>1</sup>, Emma K. Barnafo<sup>1</sup>, Kelly M. Rausch<sup>1</sup>, Christopher G. Rowe<sup>1</sup>, David Narum<sup>1</sup>, Gale Smith<sup>2</sup>, Umesh Shaligram<sup>3</sup>, Patrick E. Duffy<sup>1</sup>

<sup>1</sup>LMIV/NIAID/NIH, Bethesda, MD, United States, <sup>2</sup>Novavax, Gaithersburg, MD, United States, <sup>3</sup>Serum Institute of India, Pune, India

### LB-9039

#### **Ten years of seasonal malaria chemoprevention in Senegal: Scale up process, coverage, tolerability**

**Isaac Akhenaton MANGA**<sup>1</sup>, Fatimata Bintou SALL<sup>2</sup>, Marie Pierre DIOUF<sup>2</sup>, Amadou SECK<sup>2</sup>, Seynabou DIOP<sup>1</sup>, Médoune NDIOP<sup>3</sup>, Alioune Badara GUEYE<sup>3</sup>, Standeur Nabi Kaly<sup>3</sup>, Ibrahima DIALLO<sup>3</sup>, Doudou SENE<sup>3</sup>, Babacar FAYE<sup>1</sup>, Jean Louis Abdourahim NDIAYE<sup>2</sup>

<sup>1</sup>Service de parasitologie et mycologie UCAD, Dakar, Senegal, <sup>2</sup>Service de parasitologie et mycologie Université Iba Der Thiam, Thies, Senegal, <sup>3</sup>Programme National de Lutte contre le Paludisme, Dakar, Senegal

### LB-9040

#### **Production and characterization of recombinant human decorin, the placental malaria receptor**

**Jonathan Renn**, Martin Burkhardt, Matthew V. Cowles, Justin Y. A. Doritchamou, Min Su Cho, Holly M. Torano, Santosh A. Misal, Michal Fried, Patrick E. Duffy  
National Institutes of Health, Bethesda, MD, United States

### LB-9041

#### **A novel mutation in *Plasmodium falciparum* chloroquine resistance transporter mediates *in vitro* resistance to the antimalarial candidate drug ZY19489**

**John Okombo**<sup>1</sup>, Laura M. Hagenah<sup>1</sup>, Tarrick Qahash<sup>2</sup>, Jessica L. Bridgford<sup>1</sup>, Tomas Yeo<sup>1</sup>, Kurt E. Ward<sup>1</sup>, Eva Gil-Iturbe<sup>1</sup>, Jonathan Kim<sup>1</sup>, Filippo Mancina<sup>1</sup>, Mattias Quick<sup>1</sup>, Manuel Llinas<sup>2</sup>, David A. Fidock<sup>1</sup>

<sup>1</sup>Columbia University Irving Medical Centre, New York City, NY, United States, <sup>2</sup>Pennsylvania State University, State College, PA, United States

### LB-9042

#### **Globally prevalent Kelch13 mutations increase artemisinin resistance and fitness in Bangladeshi *Plasmodium falciparum* parasites**

**Maisha Khair Nima**<sup>1</sup>, Nirjhar Bhattacharyya<sup>1</sup>, Jungyoon Park<sup>1</sup>, Sarah Gann<sup>1</sup>, Douglas Shoue<sup>1</sup>, Saiful A. Sazed<sup>2</sup>, Ching Swe Phru<sup>3</sup>, Mohammad Shafiu Alam<sup>3</sup>, Michael Ferdig<sup>1</sup>, Angana Mukherjee<sup>1</sup>

<sup>1</sup>University of Notre Dame, South Bend, IN, United States, <sup>2</sup>Pennsylvania State University College of Medicine, Hershey, PA, United States, <sup>3</sup>icDDR, Dhaka, Bangladesh

### LB-9043

#### **Highly diverse mitochondrial and apicoplast genomes in *Plasmodium vivax* infecting Duffy-negative people in Sudan**

**Regan Schroeder**<sup>1</sup>, Safaa Ahmed<sup>2</sup>, Anthony Ford<sup>3</sup>, Muzamil Abdel Hamid<sup>2</sup>, Eugenia Lo<sup>1</sup>

<sup>1</sup>Drexel University, Philadelphia, PA, United States, <sup>2</sup>University of Khartoum, Khartoum, Sudan, <sup>3</sup>University of North Carolina at Charlotte, Charlotte, NC, United States

### LB-9044

#### **Identity-by-descent reveals *Plasmodium falciparum* population structure and connectivity and resolves recombination events across South America**

**Raphael James Brosula**<sup>1</sup>, Vladimir Corredor<sup>2</sup>, Horace Cox<sup>3</sup>, David Forero-Peña<sup>4</sup>, Sócrates Herrera<sup>5</sup>, Lise Musset<sup>6</sup>, Reza Niles-Robin<sup>7</sup>, Oscar Noya<sup>8</sup>, Fabián Sáenz<sup>9</sup>, Angela Early<sup>1</sup>, Daniel Neafsey<sup>10</sup>

<sup>1</sup>Broad Institute of MIT and Harvard, Cambridge, MA, United States, <sup>2</sup>Universidad Nacional de Colombia, Bogotá, Colombia, <sup>3</sup>Caribbean Public Health Agency, Port of Spain, Trinidad and Tobago, <sup>4</sup>Biomedical Research and Therapeutic Vaccines Institute, Ciudad Bolívar, Venezuela, Bolivarian Republic of, <sup>5</sup>Malaria Vaccine and Drug Development Center, Cali, Colombia, <sup>6</sup>Institut Pasteur de la Guyane, Cayenne, French Guiana, <sup>7</sup>National Malaria Program, Ministry of Health, Georgetown, Guyana, <sup>8</sup>Central University of Venezuela, Caracas, Venezuela, Bolivarian Republic of, <sup>9</sup>Pontificia Universidad Católica del Ecuador, Quito, Ecuador, <sup>10</sup>Harvard T.H. Chan School of Public Health, Boston, MA, United States

**Poster Session A Presentations**

Thursday, November 14, Noon - 1:45 pm

Convention Center – Hall I-1 (1<sup>st</sup> Floor)

**LB-9045****Genomic Surveillance Revealed Distinct Clustering of Validated Plasmodium Falciparum K13 Mutations Linked to Artemisinin Partial Resistance in Ethiopia in Regions Bordering Eritrea and Uganda Suggesting Expansion of Parasites Across Borders in the Region**

**Alemayehu Letebo Albejo**<sup>1</sup>, Dawit Hailu Alemayehu<sup>2</sup>, Bethlehem Adinew<sup>2</sup>, Jimma Dinsa<sup>2</sup>, Meklit Shiferaw<sup>2</sup>, Amanuel Shimelash<sup>2</sup>, Mengst Engdaw<sup>2</sup>, Abaysew Ayele<sup>2</sup>, Elias Bekele<sup>2</sup>, Wakweya Chali<sup>2</sup>, Lina Alemayehu<sup>2</sup>, Fikregabrail Kassa<sup>2</sup>, Melat Abdo<sup>2</sup>, Getnet Habtamu<sup>2</sup>, Fekadu Massebo<sup>3</sup>, Fitsum G Tadesse<sup>2</sup>  
<sup>1</sup>Arba Minch University(AMU)/Armauer Hansen Research Institute (AHRI), Addis Ababa, Ethiopia, <sup>2</sup>Armauer Hansen Research Institute (AHRI), Addis Ababa, Ethiopia, <sup>3</sup>Arba Minch University(AMU), Arba Minch, Ethiopia

**LB-9046****Malaria dynamics in Condorcanqui Province: Spatiotemporal and climatic analysis from 2005 to 2022**

**Milagros Saavedra-Samillán**<sup>1</sup>, Fátima Burgos<sup>1</sup>, Hugo O. Valdivia<sup>2</sup>, Dionicia Gamboa<sup>3</sup>, Stella M. Chenet<sup>1</sup>  
<sup>1</sup>Instituto de Investigación de Enfermedades Tropicales (IET), Universidad Nacional Toribio Rodríguez de Mendoza de Amazonas (UNTRM), Chachapoyas, Peru, <sup>2</sup>Department of Parasitology, U.S. Naval Medical Research Unit SOUTH (NAMRU SOUTH), Lima, Peru, <sup>3</sup>Departamento de Ciencias Celulares y Moleculares, Facultad de Ciencias e Ingeniería, Universidad Peruana Cayetano Heredia (UPCH), Lima, Peru

**LB-9047****Efficacy of respiratory protection among market women in Accra, Ghana during the height of the COVID-19 pandemic**

**Diana Bosuh**<sup>1</sup>, Augustine Coppabiney<sup>2</sup>, Clemence Okumah<sup>1</sup>, Kwesi Essel<sup>1</sup>, Collins Brobbey<sup>3</sup>  
<sup>1</sup>New Times Corporation, Accra, Ghana, <sup>2</sup>Graphic Communications Group, Accra, Ghana, <sup>3</sup>University of Media Arts and Communications, Accra, Ghana

**LB-9048****Exploring Club Cell Secretory Protein (CC16) as a Predictive Biomarker for Fostamatinib Response in Hospitalized COVID-19 Patients**

**Andrea P. Rivera-Torres**<sup>1</sup>, Rui Miao<sup>2</sup>, Mercedes Lacourt-Ventura<sup>1</sup>, Sonya Malavez-Cajigas<sup>1</sup>, Xin Tian<sup>2</sup>, Heather L. Teague<sup>3</sup>, Wilfredo De Jesús-Rojas<sup>1</sup>, Robert Reger<sup>4</sup>, Christopher King<sup>5</sup>, Steven Nathan<sup>5</sup>, Richard Childs<sup>4</sup>, Jeffrey R. Strich<sup>3</sup>, Marcos J. Ramos-Benitez<sup>1</sup>  
<sup>1</sup>Ponce Health and Sciences University, Ponce, PR, United States, <sup>2</sup>Office of Biostatistics Research, National Heart, Lung, and Blood Institute, NIH, Bethesda, MD, United States, <sup>3</sup>Critical Care Medicine Department, National Institutes of Health Clinical Center, Bethesda, MD, United States, <sup>4</sup>National Heart, Lung, and Blood Institute, NIH, Bethesda, MD, United States, <sup>5</sup>Advanced Lung Disease and Lung Transplant Program, Inova Fairfax Hospital, Falls Church, VA, United States

**LB-9049****Effect of genetic variation in Vitamin D Receptor on COVID-19 susceptibility and progression**

**Mishal Shaheen**, Najeeha Iqbal, Kumail Ahmed  
Aga Khan University, Karachi, Pakistan

**LB-9050****Prevalence of human coronaviruses and functional antibody responses to SARS-CoV-2 in rural and urban areas of Ghana****ELVIS SUATEY LOMOTÉY**

Noguchi Memorial Institute for Medical Research, East Legon-Accra, Ghana

**LB-9051****Validation of Real time PCR for the Identification of Alphavirus**

**Gladys Rosa Carrion Ansuini**, Roger Castillo, Maria Silva  
NAMRU-SOUTH, Lima, Peru

**LB-9052****Just in Case: Computational design of potent anti-henipavirals**

**Jeremiah Nelson Sims**, David Baker  
University of Washington, Seattle, WA, United States

**Poster Session A Presentations**

Thursday, November 14, Noon - 1:45 pm

Convention Center – Hall I-1 (1<sup>st</sup> Floor)**LB-9053****Bioinformatics Analysis of Antibody Repertoire in Flavivirus-Naïve and Experienced Individuals Following Zika Vaccination**

**Hélène Fradin Kirshner**<sup>1</sup>, Samantha Balgobin<sup>1</sup>, Vincent Dussupt<sup>2</sup>, Samantha Townsley<sup>2</sup>, Aviva Geretz<sup>2</sup>, Lauren Smith<sup>2</sup>, Robert Clifford<sup>2</sup>, Rasmi Thomas<sup>2</sup>, Shelly J. Krebs<sup>2</sup>, Kevin Wiehe<sup>1</sup>

<sup>1</sup>Duke Human Vaccine Institute, Duke University, Durham, NC, United States, <sup>2</sup>U.S. Military HIV Research Program, Walter Reed Army Institute of Research, Silver Spring, MD, United States

**LB-9054****Effect of Alum and ALFQ adjuvants on the immunogenicity of Crimean-Congo hemorrhagic fever protein vaccine in the pre-clinical Human-immune-system (HIS) humanized DRAGA mouse model**

**Ahmad F. Karim**<sup>1</sup>, Sounak G. Roy<sup>1</sup>, Teodor D. Brumeanu<sup>2</sup>, Gary Matyas<sup>3</sup>, Mangala Rao<sup>3</sup>, Sofia A. Casares<sup>1</sup>

<sup>1</sup>Naval Medical Research Command (NMRC), Silver Spring, MD, United States, <sup>2</sup>Uniformed Services University of the Health Sciences, Bethesda, MD, United States, <sup>3</sup>Walter Reed Army Institute of Research, Silver Spring, MD, United States

**LB-9055****Bussuquara Virus - Shining a Spotlight on an Understudied Orthoflavivirus**

**Madeline R. Steck**<sup>1</sup>, Vsevolod L. Popov<sup>1</sup>, Steven G. Widen<sup>1</sup>, Mauricio L. Nogueira<sup>2</sup>, Nikos Vasilakis<sup>1</sup>

<sup>1</sup>University of Texas-Medical Branch, Galveston, TX, United States, <sup>2</sup>Faculty of Medicine of São José do Rio Preto, São José do Rio Preto, Brazil

**LB-9056****Dengue (DENV) viral concentration using nanoparticles yields higher PCR positivity.**

**Najeeha Talat Iqbal**<sup>1</sup>, Erum Khan<sup>1</sup>, Kumail Ahmed<sup>1</sup>, Kehkashan Imtiaz<sup>1</sup>, Mehwish Fatima<sup>1</sup>, Wajiha Saif<sup>1</sup>, Muhammad Usama<sup>1</sup>, Faisal Mehmood<sup>1</sup>, Peter Rabinowitz<sup>2</sup>, Wes V. Voorhis<sup>2</sup>

<sup>1</sup>Aga Khan University, Karachi, Pakistan, <sup>2</sup>University of Washington, Seattle, WA, United States

**LB-9057****Strengthening Ghana's Respiratory Disease Surveillance: Integrating Multi-pathogen Testing to Identify Potential Public Health Threats, Oct 2022-Sept 2023**

**Mildred Asumamaa Adusei-Poku**<sup>1</sup>, Ama Nyansema Sekyi-Yorke<sup>2</sup>, Joseph Asuam Nyarko<sup>2</sup>, Ivy Asantewaa Asante<sup>2</sup>, Joseph Ahia Quarcoo<sup>2</sup>, Cecilia Takyi<sup>2</sup>, Yaw Awuku-Larbi<sup>2</sup>, Gifty Mawuli Sarpong<sup>2</sup>, Nana Afia Asante Ntim<sup>2</sup>, Stephen Ofori Nyarko<sup>2</sup>, Linda Boatemaa<sup>2</sup>, Vanessa Magnusen<sup>2</sup>, Jennifer Wutsika<sup>2</sup>, Samuel Ago<sup>2</sup>, Esinam Amenuvor<sup>2</sup>, Juliet Wordui<sup>2</sup>, Roberta Tackie<sup>2</sup>, Lorreta Kwah<sup>2</sup>, Ivanda Adwoa Twumwaah Gyapong<sup>2</sup>, Innocent Doku<sup>2</sup>, Isabella Asamoah<sup>2</sup>, Franklin Asiedu-Bekoe<sup>3</sup>, Obed Bangdome Ofori<sup>4</sup>, William Aseidu<sup>5</sup>, Daniel Mingle<sup>5</sup>, Naiki Attram<sup>6</sup>, Shirley Nimo-Paintsil<sup>6</sup>, Sanders Terre<sup>6</sup>, Miranda Hugo<sup>6</sup>, William Kwabena Ampofo<sup>2</sup>, Ndahwouh Talla Nzussouo<sup>7</sup>, Daniel Owusu<sup>8</sup>, Charles Myrna<sup>8</sup>, Dennis Odai Laryea<sup>4</sup>

<sup>1</sup>NATIONAL INFLUENZA CENTER, NOGUCHI MEMORIAL INSTITUTE FOR MEDICAL RESEARCH, UNIVERSITY OF GHANA, Accra, Ghana, <sup>2</sup>UNIVERSITY OF GHANA MEDICAL SCHOOL, Accra, Ghana, <sup>3</sup>NATIONAL INFLUENZA CENTER, NOGUCHI MEMORIAL INSTITUTE FOR MEDICAL RESEARCH, UNIVERSITY OF GHANA, Accra, Ghana, <sup>4</sup>Public Health Division, Ghana Health Service, Accra, Ghana, <sup>5</sup>Disease Surveillance Department, Ghana Health Service, Accra, Ghana, <sup>6</sup>Public Health Division, 37 Military Hospital, Accra, Ghana, <sup>7</sup>US Naval Medical Research Unit, EURAFCENT, Accra, Ghana, <sup>8</sup>Influenza Division, US-CDC, Atlanta, Dexis Professional Services, Washington, DC, USA, Atlanta, GA, United States, <sup>8</sup>Influenza Division, US-CDC, Atlanta, Atlanta, GA, United States

**LB-9058****Targeted surveillance modernization methods for projected USVI dengue outbreak.**

Hannah Cranford, Valerie Mac, Andra Prosper, Marlon Lawrence, Brett Ellis, **Esther Ellis**  
US Virgin Islands Department of Health, St. Thomas, Virgin Islands, U.S.

**LB-9059****Evaluation of a Point-of-care Handheld Device for Rapid Detection of Blood Biomarkers of Neurological Injury for Neurotropic Viruses**

**Danielle W. Ali**<sup>1</sup>, Danielle Lynam<sup>1</sup>, Jennetta Green<sup>1</sup>, Donald Chabot<sup>1</sup>, Farooq Nasar<sup>2</sup>, Amy Y. Vittor<sup>3</sup>, Jean-Paul Carrera<sup>4</sup>, Darci R. Smith<sup>1</sup>

<sup>1</sup>Naval Medical Research Command, Fort Detrick, MD, United States, <sup>2</sup>The University of Texas Medical Branch, Galveston, TX, United States, <sup>3</sup>University of Florida, Gainesville, FL, United States, <sup>4</sup>Gorgas Memorial Institute, Panama City, Panama

## Poster Session A Presentations

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### LB-9060

#### Identifying and Understanding Human West Nile Virus Seroprevalence Across South Carolina

**Neha Rayala**, Ahalya Muraleedharan, Kia Zellars, Melissa Nolan  
*University of South Carolina, Columbia, SC, United States*

### LB-9061

#### Cross-reactive yellow fever virus immunity: Protection against dengue, but enhancement of Zika and West Nile virus infections in immunocompromised mice

**Prince Baffour Tonto**, Sebastian Gallon, Bobby Brooke Herrera  
*1. Department of Medicine, Division of Allergy, Immunology, and Infectious Diseases, and Child Health Institute of New Jersey, Rutgers Robert Wood Johnson Medical School, Rutgers University 2. Rutgers Global Health Institute, Rutgers University, New Brunswick, NJ, United States*

### LB-9062

#### Characterising the dynamics of the humoral and cellular immunity response against dengue infection

**Jair Andrade**<sup>1</sup>, Luis A. Sánchez-Vargas<sup>2</sup>, Lin Wang<sup>1</sup>, Mary Noreen Cabalfin-Chua<sup>3</sup>, Darunee Buddhari<sup>4</sup>, Maria Theresa Alera<sup>4</sup>, Aaron Farmer<sup>4</sup>, Stephen J. Thomas<sup>5</sup>, Derek A.T. Cummings<sup>6</sup>, Alan L. Rothman<sup>2</sup>, Kathryn Anderson<sup>5</sup>, Henrik Salje<sup>1</sup>  
*<sup>1</sup>University of Cambridge, Cambridge, United Kingdom, <sup>2</sup>University of Rhode Island, Providence, RI, United States, <sup>3</sup>Chong Hua Hospital, Cebu City, Philippines, <sup>4</sup>Armed Forces Research Institute of Medical Sciences, Bangkok, Thailand, <sup>5</sup>State University of New York Upstate Medical University, Syracuse, NY, United States, <sup>6</sup>Johns Hopkins University, Baltimore, MD, United States*

### LB-9063

#### CHIKV-induced type I interferon expression in human dermal fibroblasts

**Meagan M. Taylor**, Rosemary A. Roberts, Jonathan O. Rayner  
*University of South Alabama Whiddon College of Medicine, Mobile, AL, United States*

### LB-9064

#### Clinical outcomes of Dengue Fever among Children by predominant serotypes during the 2012, 2019, and 2023 Dengue epidemics in Jamaica

**Tracy Evans-Gilbert**<sup>1</sup>, Brandon Gilbert<sup>2</sup>, Tafari Reid<sup>2</sup>, O'cari Osbourne<sup>2</sup>  
*<sup>1</sup>University of the West Indies, Montego Bay, Jamaica, <sup>2</sup>Cornwall Regional Hospital, Montego Bay, Jamaica*

### LB-9065

#### Multi-species distribution, co-occurrence patterns, potential biotic interactions, and species-habitat association of common mosquito species in southeastern Tanzania

**Mohamed Jumanne**<sup>1</sup>, Joel D. Nkya<sup>1</sup>, Pinda Pollius<sup>1</sup>, Dickson Msaky<sup>1</sup>, Winifrida Mponzi<sup>1</sup>, Halfan Ngowo<sup>1</sup>, Heather Fugerson<sup>2</sup>, Emmanuel Kaindoa<sup>1</sup>, Jason Matthiopoulos<sup>2</sup>, Fredros Okumu<sup>1</sup>  
*<sup>1</sup>Ifakara Health Institute, Morogoro, Tanzania, United Republic of, <sup>2</sup>University of Glasgow, Glasgow, United Kingdom*

### LB-9066

#### Cross-sectional Surveys Exploring Factors Influencing Residential Vector Control Decision-Making in New England

New England Center of Excellence in Vector-Borne Diseases<sup>1</sup>, **Fatma Tufa**<sup>2</sup>, Johanna Ravenhurst<sup>3</sup>, Elissa S. Ballman<sup>4</sup>, Neeta P. Connally<sup>5</sup>, Nelle Couret<sup>6</sup>, Nolan Fernandez<sup>2</sup>, Allison M. Gardner<sup>4</sup>, Jeff R. Garnas<sup>7</sup>, William Landesman<sup>8</sup>, Alexis L. White<sup>6</sup>, Guang Xu<sup>9</sup>, Andrew A. Lover<sup>3</sup>, Stephen M. Rich<sup>9</sup>, Thomas N. Mather<sup>10</sup>  
*<sup>1</sup>VA, United States, <sup>2</sup>New England Center of Excellence in Vector-Borne Diseases, University of Massachusetts - Amherst, Amherst, MA, United States, <sup>3</sup>Department of Biostatistics and Epidemiology, School of Public Health and Health Sciences, University of Massachusetts - Amherst, Amherst, MA, United States, <sup>4</sup>School of Biology and Ecology, University of Maine, Orono, ME, United States, <sup>5</sup>Department of Biology, Western Connecticut State University, Danbury, CT, United States, <sup>6</sup>Department of Biological Sciences, University of Rhode Island, Kingston, RI, United States, <sup>7</sup>Department of Natural Resources and the Environment, University of New Hampshire, Durham, NH, United States, <sup>8</sup>Department of Natural Science, Vermont State University, Johnson, VT, United States, <sup>9</sup>Department of Microbiology, College of Natural Sciences, University of Massachusetts - Amherst, Amherst, MA, United States, <sup>10</sup>Department of Plant Sciences & Entomology, University of Rhode Island, Kingston, RI, United States*

**Poster Session A Presentations**

Thursday, November 14, Noon - 1:45 pm

Convention Center – Hall I-1 (1<sup>st</sup> Floor)**LB-9067****Insecticide resistance mutations and bloodmeal analysis of *Aedes aegypti* in Somaliland****Babatunde Oriyomi**<sup>1</sup>, Said Ali<sup>2</sup>, Samira M. Al-Eryani<sup>3</sup>, Tamar Carter<sup>1</sup><sup>1</sup>Baylor University, Waco, TX, United States, <sup>2</sup>National Malaria Control Program, Ministry of Health Development, Hargeisa, Somalia, <sup>3</sup>Eastern Mediterranean Regional Office, World Health Organization, Cairo, Egypt**LB-9068****Mitogenome sequence analysis of invasive *Anopheles stephensi*****Ayomikun Aderounmu**<sup>1</sup>, Isuru Gunarathna<sup>1</sup>, Grace Lloyd<sup>1</sup>, Madison Follis<sup>1</sup>, Yasser A. Baheshm<sup>2</sup>, Methaq Assada<sup>3</sup>, Said Ali<sup>4</sup>, Solomon Yared<sup>5</sup>, Tamar E. Carter<sup>1</sup><sup>1</sup>Baylor University, Waco, TX, United States, <sup>2</sup>National Malaria Control Program, Ministry of Health, Aden, Yemen, <sup>3</sup>National Malaria Control Program, Ministry of Health, Sana'a, Yemen, <sup>4</sup>National Malaria Control Program, Ministry of Health Development, Hargeisa, Somalia, <sup>5</sup>Jigjiga University, Jigjiga, Ethiopia**LB-9069****Challenges for Vector Control in New England: Learning from Public Health and Vector Control Professionals****Johanna Ravenhurst**<sup>1</sup>, Nora Finnerty<sup>2</sup>, Emilia Zaentz<sup>2</sup>, Genesis Medina<sup>2</sup>, Sarah L. Goff<sup>3</sup>, Andrew A. Lover<sup>1</sup><sup>1</sup>Department of Biostatistics and Epidemiology, School of Public Health and Health Sciences, & New England Center of Excellence in Vector-Borne Diseases, University of Massachusetts-Amherst, Amherst, MA, United States, <sup>2</sup>Center for Program Evaluation, School of Public Health and Health Sciences, University of Massachusetts-Amherst, Amherst, MA, United States, <sup>3</sup>Department of Health Promotion and Policy, School of Public Health and Health Sciences, University of Massachusetts-Amherst, Amherst, MA, United States**LB-9070****Small Carriers, Big Consequences: Unveiling Vector Borne Infections****Johnathone Yang**<sup>1</sup>, Alison Galdys<sup>1</sup>, Geno Tai<sup>1</sup>, Elizabeth Schiffman<sup>2</sup>, Jennifer Palm<sup>2</sup>, Gongping Liu<sup>2</sup>, Alex Garvin<sup>2</sup><sup>1</sup>University of Minnesota, Minneapolis, MN, UnitedStates, <sup>2</sup>Minnesota Department of Health, Minneapolis, MN, United States**LB-9071****Shifting the vector surveillance paradigm: Human behavior adjusted exposure to malaria vectors in four districts in Zambesia and Niassa provinces, Mozambique****Dulcisaria Marrenjo**<sup>1</sup>, Mercy Opiyo<sup>2</sup>, Ines Mugawanha<sup>1</sup>, Domingo Biossone<sup>1</sup>, Elodie Vajda<sup>2</sup>, Steve Gowelo<sup>2</sup>, Luis Jamu<sup>3</sup>, Nelson Cuamba<sup>4</sup>, Abdollah Jalilian<sup>5</sup>, Luigi Sedda<sup>5</sup>, Allison Tatarsky<sup>2</sup>, Edward Thomsen<sup>2</sup>, Neil Lobo<sup>6</sup>, Baltazar Candrinho<sup>1</sup><sup>1</sup>Programa Nacional de Controlo da Malária, Maputo, Mozambique, <sup>2</sup>University of California San Francisco, Malaria Elimination Initiative, California, CA, United States, <sup>3</sup>Manhiça Health Research Centre, Maputo, Mozambique, Maputo, Mozambique, <sup>4</sup>Independent Researcher, Maputo, Mozambique, <sup>5</sup>Lancaster Ecology and Epidemiology Group, Lancaster University, Lancaster, UK, Lancaster, United Kingdom, <sup>6</sup>University of Notre Dame, Indiana, USA, California, CA, United States**LB-9072****A case report of Zambia operationalizing entomological surveillance sentinel sites for evidence based malaria vector control decision making****Willy Ngulube**<sup>1</sup>, Reuben Razarus Zulu<sup>2</sup>, Javan Chanda<sup>3</sup>, Sampa Chitambala-Otiono<sup>2</sup><sup>1</sup>Ministry of Health, Lusaka, Zambia, <sup>2</sup>Ministry of Health - National Malaria Elimination Centre, Lusaka, Zambia, <sup>3</sup>Program for Appropriate Technology in Health, Lusaka, Zambia**LB-9073****A Systematic Review of Aircraft Disinsection Efficacy****Gregory Hawley**, Syed Zain Ahmad, Michael Klowak, Candice Madakadze, Aquilla Reid-John, Jahmar Hewitt, Asal Adawi, Andrea K. Boggild

Tropical Disease Unit, Toronto General Hospital and University of Toronto, Toronto, ON, Canada

**LB-9074****A Systematic Review of Mosquitoes Aboard International Conveyances****Aquilla Reid-John**, Asal Adawi, Candice Madakadze, Jahmar Hewitt, Michael Klowak, Gregory Hawley, Syed Zain Ahmad, Andrea K. Boggild

Tropical Disease Unit, Toronto General Hospital and University of Toronto, Toronto, ON, Canada

## Poster Session A Presentations

Thursday, November 14, Noon - 1:45 pm

Convention Center – Hall I-1 (1<sup>st</sup> Floor)

### LB-9075

**Environmental prevalence, geospatial distribution, and subspecies of *Echinococcus granulosus* identified in dog stool in an endemic area of Cusco, Peru**

**Roberto Pineda-Reyes**<sup>1</sup>, Nelson Lozano-Cansaya<sup>2</sup>, Beltran Jalanocca-Janampa<sup>2</sup>, Martha V. Fernandez-Baca<sup>2</sup>, Carol A. Castro<sup>2</sup>, Audrey Schulze<sup>3</sup>, Diego Alvarez<sup>3</sup>, Maria L. Morales<sup>2</sup>, Melinda B. Tanabe<sup>4</sup>, Abigail Hitchcock<sup>2</sup>, Alejandro Castellanos-Gonzalez<sup>4</sup>, Alonso Bussalleu<sup>1</sup>, Jakob Zinsstag<sup>1</sup>, Miguel M. Cabada<sup>4</sup>  
<sup>1</sup>Department of Epidemiology and Public Health, Swiss Tropical and Public Health Institute/associated to University of Basel, Allschwil, Switzerland, <sup>2</sup>Cusco Branch - Alexander von Humboldt Tropical Medicine Institute/Universidad Peruana Cayetano Heredia, Cusco, Peru, <sup>3</sup>School of Medicine, University of Texas Medical Branch, Galveston, TX, United States, <sup>4</sup>Infectious Disease Division, University of Texas Medical Branch, Galveston, TX, United States

### LB-9076

**Utility of a host response sepsis diagnostic assay for longitudinal monitoring of sepsis: a case study**

**Alyse Wheelock**<sup>1</sup>, Stephen Okello<sup>2</sup>, Hannah Kibuuka<sup>2</sup>, Melissa Gregory<sup>1</sup>, Roy F. Davis<sup>3</sup>, Thomas D. Yager<sup>3</sup>, Silvia Cermelli<sup>3</sup>, Nehkonti Adams<sup>4</sup>, Danielle V. Clark<sup>1</sup>, Krupa A. Navalkar<sup>3</sup>  
<sup>1</sup>Henry Jackson Foundation, Bethesda, MD, United States, <sup>2</sup>Makerere University Walter Reed Project, Kampala, Uganda, <sup>3</sup>Immunexpress Inc., Seattle, WA, United States, <sup>4</sup>Naval Medical Research Command, Falls Church, VA, United States

### LB-9077

**Point of care testing improves access to care in rural Uganda: using sickle cell disease testing as an exemplar for other diseases**

**James N. Mubiru**<sup>1</sup>, Vivian Asiimwe<sup>2</sup>, Mike Byakika<sup>2</sup>, Godfrey Kayemba<sup>3</sup>, Esau R. Muhumuza<sup>3</sup>  
<sup>1</sup>College of the Mainland, Texas City, TX, United States, <sup>2</sup>Kiboga Hospital, Kiboga, Uganda, <sup>3</sup>Hoima Azur Christian Health Centre, Hoima, Uganda

### LB-9078

**Outcomes of a community-based approach to identify, reach, and catch-up un-immunized and under-immunized children in three districts in Uganda, 2022-2023**

**Brooke N. Aksnes**<sup>1</sup>, Joseph Magoola<sup>2</sup>, Immaculate Ampaire<sup>3</sup>, Yvette Wibabara<sup>4</sup>, Nicholas Ayebazibwe<sup>2</sup>, Kirsten Ward<sup>1</sup>  
<sup>1</sup>US Centers for Disease Control and Prevention, Atlanta, GA, United States, <sup>2</sup>African Field Epidemiology Network, Kampala, Uganda, <sup>3</sup>Ugandan National Expanded Program on Immunization, Kampala, Uganda, <sup>4</sup>US Centers for Disease Control and Prevention, Kampala, Uganda

### LB-9079

**Bridging Gaps: The Crucial Role of Gender, Equity, and Social Inclusion in Neglected Tropical Disease Control**

**Kelly Zongo**<sup>1</sup>, Martha Mberu<sup>2</sup>, Liya Assefa<sup>1</sup>, Terrill Kucera<sup>3</sup>, Sara Pappa<sup>3</sup>  
<sup>1</sup>END Fund, New York, NY, United States, <sup>2</sup>END Fund, Nairobi, Kenya, <sup>3</sup>WI-HER, Washington DC, DC, United States

### LB-9080

**Specialized nutritious foods and behavior change communication interventions during the first 1,000 days of life to prevent stunting: A quasi-experimental study in Afghanistan**

**Sajid Bashir Soofi**, Gul N. Khan, Muhammad Sajid, Muhammad Umer, Ahmad Khan, Imtiaz Hussain, Imran Ahmed, Shabina Ariff  
Aga Khan University, Karachi, Pakistan

### LB-9081

**Scaling Up Genomic Surveillance Capacity for Better Epidemic Preparedness in Africa**

**Zoumana Isaac TRAORE**<sup>1</sup>, Oluwaseun Olufemi PEDRO<sup>2</sup>, Thirumala Ajay Kumar<sup>2</sup>, Jerry Jonas MBASHA<sup>2</sup>, MARGARET ALIA SAMSON Paul<sup>2</sup>, Julius MONDAY<sup>3</sup>, Alexis NIYOMWUNGERE<sup>4</sup>, Cathy KAKEMA HEBO<sup>5</sup>, Eyob FREZGHI BERHE<sup>6</sup>, Ahamada MSA MLIVA<sup>7</sup>, Senou AMOUZOU<sup>8</sup>, Hieronyma Nelisiwe GUMEDE-MOELETSI<sup>9</sup>, Sheick Oumar COULIBALY<sup>2</sup>, Elizabeth Lindiwe MAKUBALO<sup>2</sup>

<sup>1</sup>Georgetown University, Washington DC, DC, United States, <sup>2</sup>World Health Organization Regional Office for Africa, Brazzaville, Congo, Republic of the, <sup>3</sup>WHO Country Office Liberia, Monrovia, Liberia, <sup>4</sup>WHO Country Office Burundi, Bujumbura, Burundi, <sup>5</sup>WHO Country Office CAR, Bangui, Central African Republic, <sup>6</sup>WHO Country Office Eritrea, Asmara, Eritrea, <sup>7</sup>WHO Country Office Comoros, Moroni, Comoros, <sup>8</sup>WHO Country Office Togo, Lome, Togo, <sup>9</sup>World Health Organization Regional Office for Africa, Pretoria, South Africa

## Poster Session A Presentations

Thursday, November 14, Noon - 1:45 pm

Convention Center – Hall I-1 (1<sup>st</sup> Floor)

### LB-9082

#### **Malaria Inequality Analysis in Ghana: Ensuring Equitable Progress in Malaria Control, 2024**

**Dora Dadzie**, Nana Y. Peprah, Paul Boateng, Keziah L. Malm  
*National Malaria Elimination Programme Ghana Health Service, Accra, Ghana*

### LB-9083

#### **Current Healthcare Resource Utilization and Economic Burden of Dengue - A Systematic Literature Review (SLR)**

**Andreas Tietz**<sup>1</sup>, Shivaprasad Singuru<sup>2</sup>, Thej Kumar Nallagangula<sup>2</sup>, Namita Kaushik<sup>2</sup>, Akmal Akbar<sup>3</sup>, Shaishav Panchal<sup>2</sup>, Ruobing Li<sup>4</sup>, Isabelle Meyer-Andrieux<sup>1</sup>, Jean-Bernard Gruenberger<sup>1</sup>, Angela McBride<sup>5</sup>, Sophie Yacoub<sup>6</sup>, Bethan Hughes<sup>7</sup>  
<sup>1</sup>*Novartis Pharma AG, Basel, Switzerland*, <sup>2</sup>*Novartis Healthcare Private Limited, Hyderabad, India*, <sup>3</sup>*Global Studies Institute, University of Geneva, Geneva, Switzerland*, <sup>4</sup>*Novartis BioMedical Research Co., Ltd, Shanghai, China*, <sup>5</sup>*Center for Tropical Medicine and Global Health, University of Oxford, Oxford, United Kingdom*, <sup>6</sup>*Oxford University Clinical Research Unit, Ho Chi Minh City and Centre for Tropical medicine and Global Health, University of Oxford, Oxford, United Kingdom*, <sup>7</sup>*Novartis Pharmaceuticals UK Ltd., London, United Kingdom*

### LB-9084

#### **2023 Malaria surge in Zanzibar: Surveillance in low transmission settings**

**Safia M. Ali**<sup>1</sup>, Shija Shija<sup>1</sup>, Wahida Hassan Shirazi<sup>1</sup>, Geoffrey Makenga<sup>1</sup>, Mohammed Ali<sup>1</sup>, Majda Nassor<sup>1</sup>, Naomi Serbantez Serbantez<sup>2</sup>, Chonge Kitojo<sup>3</sup>, Bakari Juma<sup>1</sup>  
<sup>1</sup>*Zanzibar Malaria Elimination Program, Zanzibar, Tanzania, United Republic of*, <sup>2</sup>*USAID - PMI Resident Advisor, Zanzibar, Tanzania, United Republic of*, <sup>3</sup>*USAID - PMI, Dar es Salaam, Tanzania, United Republic of*

### LB-9085

#### **Knowledge & Experiences of Adolescent Girls & Young Women in the use of Sexual Reproductive Health & Human Immunodeficiency Virus services at health facilities in Maputo City, Mozambique**

**Vasco A. Muchanga**<sup>1</sup>, Luisa Huo<sup>1</sup>, Kathryn T. Kampa<sup>2</sup>, Baltazar Chilundo<sup>1</sup>, Khatia Munguambe<sup>1</sup>, Troy D. Moon<sup>2</sup>

<sup>1</sup>*Eduardo Mondlane University, Maputo, Mozambique*, <sup>2</sup>*Tulane University, New Orleans, LA, United States*

### LB-9086

#### **Estimating the validity of existing diagnostic tests for hepatitis E during an outbreak in Bentiu, South Sudan**

**Aybüke Koyuncu**<sup>1</sup>, Robin Nesbitt<sup>2</sup>, Catia Alvarez<sup>3</sup>, Kinya Vincent Asilaza<sup>4</sup>, Joseph Wamala<sup>5</sup>, Melat Haile<sup>6</sup>, Etienne Gignoux<sup>7</sup>, Manuel Albela<sup>8</sup>, Emily Gurley<sup>9</sup>, Frederick Beden Loro<sup>5</sup>, Duol Biem<sup>10</sup>, Monica Rull<sup>8</sup>, John Rumunu<sup>10</sup>, Iza Ciglenecki<sup>8</sup>, Isabella Eckerle<sup>3</sup>, Andrew S. Azman<sup>11</sup>

<sup>1</sup>*Johns Hopkins University; Epicentre, Baltimore, MD, United States*, <sup>2</sup>*Epicentre, Paris, France*, <sup>3</sup>*Geneva Centre for Emerging Viral Diseases, Geneva University Hospitals, Geneva, Switzerland*, <sup>4</sup>*Médecins Sans Frontières, Bentiu, South Sudan*, <sup>5</sup>*World Health Organisation, Juba, South Sudan*, <sup>6</sup>*Médecins Sans Frontières, Geneva, Switzerland*, <sup>7</sup>*Epicentre; Médecins Sans Frontières (MSF), Paris, France*, <sup>8</sup>*Médecins Sans Frontières (MSF), Geneva, Switzerland*, <sup>9</sup>*Johns Hopkins University, Baltimore, MD, United States*, <sup>10</sup>*Ministry of Health, Juba, South Sudan*, <sup>11</sup>*Johns Hopkins University; Médecins Sans Frontières; Geneva University Hospitals, Geneva, Switzerland*

### LB-9087

#### **Characterizing Infectious Meningitis and Encephalitis Cases in Emergency Department and Hospitalized Patients—U.S. Virgin Islands, January 1, 2016–December 31, 2023**

**Lacey MenkinSmith**<sup>1</sup>, Justine Mckittrick<sup>1</sup>, Nicolle Wiebracht<sup>2</sup>, Esther M. Ellis<sup>3</sup>  
<sup>1</sup>*MUSC, Charleston, SC, United States*, <sup>2</sup>*Tufts University, Boston, MA, United States*, <sup>3</sup>*USVI DOH, Christiansted, Virgin Islands, U.S.*

### LB-9088

#### **Vibrio cholerae-specific Serological Profiling Among Children, Adolescent, and Adults After Oral Cholera Vaccination.**

Sera Oh<sup>1</sup>, Gippeum Lim<sup>1</sup>, Ju Yeon Park<sup>1</sup>, Deok Ryun Kim<sup>1</sup>, Katerina Rok Song<sup>1</sup>, Manki Song<sup>1</sup>, Edward T. Ryan<sup>2</sup>, Richelle C. Charles<sup>2</sup>, Julia A. Lynch<sup>1</sup>, **Jae Seung Yang**<sup>1</sup>  
<sup>1</sup>*International Vaccine Institute, Seoul, Korea, Republic of*, <sup>2</sup>*Massachusetts General Hospital, Boston, MA, United States*

**Poster Session A Presentations**

Thursday, November 14, Noon - 1:45 pm

Convention Center – Hall I-1 (1<sup>st</sup> Floor)**LB-9089****Vesicular Stomatitis Virus Expressing the Glycoproteins of Western Equine Encephalitis Virus Is a Surrogate for Wildtype Virus in Diagnostic Plaque Reduction Neutralization Test at Lower Biocontainment**Kerri Miazgowicz<sup>1</sup>, Melinda Brindley<sup>2</sup>, Aaron Brault<sup>3</sup>, Amanda Calvert<sup>3</sup><sup>1</sup>CDC, Fort Collins, AL, United States, <sup>2</sup>University of Georgia, Athens, GA, United States, <sup>3</sup>CDC, Fort Collins, CO, United States**LB-9090****COVID-19 Vaccine Effectiveness Against Severe Acute Respiratory Infections (SARI) Hospitalizations Associated with Laboratory-Confirmed SARS-CoV-2 in Ghana from June 2022 to March 2024**

Nicholas Amoako

Kintampo Health Research Centre, Kintampo, Ghana

**LB-9091****Immunoscreening of *P. falciparum* Antigens to Identify Gametocyte Carriers**

HIKARU NAGAOKA

Tokyo medical and dental university, Tokyo, Japan

**LB-9092****Pre-clinical Assessment of Drug-Drug Interactions Between Doxycycline and P-gp substrates**

Xiannu Jin, Cameron Blount, Ravi Chetree, William Dennis, Chau Vuong, Kristina Pannone, Darren Smith, Hieu T Dinh

Walter Reed Army Institute of Research, Silver Spring, MD, United States

**LB-9093****Evaluation of a novel malaria vaccine candidate fCSP/SA-1 in comparison to RTS,S/AS01 in two pre-clinical models**Takafumi Tsuboi<sup>1</sup>, Eizo Takashima<sup>1</sup>, Mayumi Tachibana<sup>2</sup>, Richard Culleton<sup>2</sup>, Masayuki Morita<sup>1</sup>, Hikaru Nagaoka<sup>1</sup>, Akihisa Fukushima<sup>3</sup>, Masamitsu Aoki<sup>3</sup>, Hideyuki Hayashi<sup>3</sup>, Daisuke Nemoto<sup>3</sup>, Yoshiko Tomita<sup>3</sup>, Motomi Torii<sup>2</sup>, Kazutoyo Miura<sup>4</sup>, Emily Locke<sup>5</sup>, Richter King<sup>5</sup>, Yimin Wu<sup>5</sup><sup>1</sup>Ehime University, Matsuyama, Japan, <sup>2</sup>Ehime University, Toon, Japan, <sup>3</sup>Sumitomo Pharma Co., Ltd., Osaka, Japan, <sup>4</sup>National Institutes of Health, Rockville, MD, United States, <sup>5</sup>PATH's Malaria Vaccine Initiative, Washington, DC, United States**LB-9094****RENFORCEMENT DE LA SURVEILLANCE DU PALUDISME À SAINT-LOUIS, SÉNÉGAL : CONTRIBUTION DES STRUCTURES PRIVÉES ET PARA-PUBLIQUES À LA DÉTECTION DES CAS DE PALUDISME DANS UN CONTEXTE DE FAIBLE TRANSMISSION**OUMY KALTOME BOH<sup>1</sup>, fode Danfakha<sup>1</sup>, SEYNABOU NDIAYE<sup>2</sup><sup>1</sup>MSAS/DISTRICT SANITAIRE DE SAINT-LOUIS, DAKAR, Senegal, <sup>2</sup>MSAS/DISTRICT SANITAIRE DE SAINT-LOUIS, SAINT-LOUIS, Senegal**LB-9095****Increasing lumefantrine resistance markers in a malaria longitudinal study in Kinshasa Province, Democratic Republic of Congo**Ruthly François-Zafka<sup>1</sup>, Abebe Fola<sup>2</sup>, Rebecca Crudale<sup>2</sup>, Melchior M. Kashamuka<sup>3</sup>, Kristin Banek<sup>1</sup>, Joseph A. Bala<sup>3</sup>, Marthe Nkalani<sup>3</sup>, Georges Kihuma<sup>3</sup>, Joseph Atibu<sup>3</sup>, Georges E. Mahilu<sup>3</sup>, Kyaw L. Thwai<sup>1</sup>, Mae Igwe<sup>1</sup>, Adjaratou Diouf<sup>1</sup>, Sam J. White<sup>1</sup>, Alfred Simkin<sup>2</sup>, Jonathan J. Juliano<sup>1</sup>, Antoinette Tshetu<sup>3</sup>, Jeffrey A. Bailey<sup>2</sup>, Jonathan B. Parr<sup>1</sup><sup>1</sup>University of North Carolina at Chapel Hill, Chapel Hill, NC, United States, <sup>2</sup>Brown University, Providence, RI, United States, <sup>3</sup>Kinshasa School of Public Health, Kinshasa, Congo, Democratic Republic of the**LB-9096****Evaluating Diagnostic Tools for asymptomatic Malaria in Western Kenya: A Focus on the XN-31 Analyzer**Bernard N. Kanoi<sup>1</sup>, Wataru Kagaya<sup>2</sup>, Kenichi Fujimaki<sup>3</sup>, Takahiro Tougan<sup>3</sup>, Kyoko Kurihara<sup>3</sup>, Akira Kaneko<sup>4</sup>, Jesse Gitaka<sup>1</sup><sup>1</sup>Centre for Malaria Elimination, Institute of Tropical Medicine, Mount Kenya University, Thika, Kenya, <sup>2</sup>Department of Ecoepidemiology, Institute of Tropical Medicine, Nagasaki University, 852-8523, Nagasaki, Japan, <sup>3</sup>Sysmex Corporation, 651-2271, Kobe, Japan, <sup>4</sup>Department of Parasitology/Osaka International Research Center for Infectious Diseases, Graduate School of Medicine, Osaka Metropolitan University, 545-8585, Osaka, Japan



**LB-9097**

**Scale up of community case management of malaria associated with reduced hospitalization rates for severe disease - Busia county, Kenya, 2021-2024**

**Megumi Itoh**<sup>1</sup>, Mildred Shieshia<sup>2</sup>, Victor Sumbi<sup>2</sup>, Emmanuel Luvai<sup>3</sup>, Patrick Igunza<sup>4</sup>, Tonny Wambua<sup>5</sup>, Frankline Okome<sup>5</sup>, Edwin O. Onyango<sup>3</sup>  
<sup>1</sup>Centers for Disease Control and Prevention, Nairobi, Kenya, <sup>2</sup>USAID, Nairobi, Kenya, <sup>3</sup>Busia County, Department of Health and Sanitation, Busia, Kenya, <sup>4</sup>AMREF Health Africa, Nairobi, Kenya, <sup>5</sup>Population Services, Kenya, Nairobi, Kenya

**LB-9098**

**Detection of novel *P. falciparum* haplotypes during parasite clearance of severe malaria cases**

**Balotin Fogang**<sup>1</sup>, Emilie Guillochon<sup>2</sup>, Claire Kamaliddin<sup>2</sup>, Gino Agbota<sup>2</sup>, Sem Ezinmegnon<sup>2</sup>, Maroufou Jules Alao<sup>3</sup>, Gwladys Bertin<sup>2</sup>, Antoine Claessens<sup>1</sup>  
<sup>1</sup>LPHI, CNRS, INSERM, University of Montpellier, Montpellier, France, <sup>2</sup>Université Paris Cité, MERIT, IRD, Paris, France, <sup>3</sup>Paediatric Department, Mother and Child University and Hospital Center (CHU-MEL), Cotonou, Benin

**LB-9099**

**Investigating the interaction between the anti-malaria monoclonal antibody CIS43LS and naturally acquired sporozoite-specific T cell responses in Malian adults**

**Youngsil Seo**<sup>1</sup>, Hyeseon Cho<sup>1</sup>, Hamidou Cisse<sup>1</sup>, Jeff Skinner<sup>1</sup>, Shanping Li<sup>1</sup>, Mary E. Peterson<sup>1</sup>, Ludmila Krymskaya<sup>2</sup>, Aissata Ongoiba<sup>3</sup>, Safiatou Doumbo<sup>3</sup>, Kassoum Kayentao<sup>3</sup>, Boubacar Traore<sup>3</sup>, Stephen L. Hoffman<sup>4</sup>, Robert A. Seder<sup>5</sup>, Peter D. Crompton<sup>1</sup>  
<sup>1</sup>Malaria Infection Biology and Immunity Section, Laboratory of Immunogenetics, National Institute of Allergy and Infectious Diseases, National Institutes of Health, Rockville, MD, United States, <sup>2</sup>Laboratory of Immunogenetics, National Institute of Allergy and Infectious Diseases, National Institutes of Health, Rockville, MD, United States, <sup>3</sup>Mali International Center of Excellence in Research, University of Sciences, Techniques and Technologies of Bamako, Bamako, Mali, <sup>4</sup>Sanaria, Rockville, MD, United States, <sup>5</sup>Vaccine Research Center, National Institute of Allergy and Infectious Diseases, National Institutes of Health, Bethesda, MD, United States

**LB-9100**

**Placental Malaria is Associated with Altered Toll-Like Receptor Responses in Mononuclear Phagocytes from Cord Blood**

**Muhammad Ahmad**<sup>1</sup>, Kylie Camanag<sup>1</sup>, Joaniter Nankabirwa<sup>2</sup>, Grant Dorsey<sup>3</sup>, Kenneth Musinguzi<sup>4</sup>, Prasanna Jagannathan<sup>1</sup>  
<sup>1</sup>Stanford, PALO ALTO, CA, United States, <sup>2</sup>Infectious Diseases Research Collaboration,, Kampala, Uganda, <sup>3</sup>Department of Medicine, University of California San Francisco, San Francisco, CA, United States, <sup>4</sup>Infectious Diseases Research Collaboration,, Kampala, Uganda

**LB-9101**

**The persistence of untreated mosquito nets in Tanzania's private retail sector: comparable results from market surveys in 2021, 2022, and 2024.**

**Ruth Msolla**<sup>1</sup>, Peter Gitanya<sup>2</sup>, Naomi Serbantez<sup>3</sup>, Lulu Msangi<sup>3</sup>, Charles Dismas Mwalimu<sup>2</sup>, David Dadi<sup>1</sup>, Stephen Poyer<sup>4</sup>, Benjamin Kamala<sup>1</sup>  
<sup>1</sup>PMI Tanzania Vector Control Project, Johns Hopkins Centre for Communication Programs, Dar es Salaam, Tanzania, United Republic of, <sup>2</sup>National Malaria Control Program, Ministry of Health, Dodoma, Tanzania, United Republic of, <sup>3</sup>U.S. President's Malaria Initiative, US Agency for International Development, Dar es Salaam, Tanzania, United Republic of, <sup>4</sup>Tropical Health LLP, London, Tanzania, United Republic of

**LB-9102**

**Congenital malaria in newborns from mothers living in a highly malaria endemic areas in Kinshasa, Democratic Republic of the Congo**

**Hypolite Muhindo Mavoko**<sup>1</sup>, Japhet Kabalu Tshiongo<sup>1</sup>, Lise Kuseke<sup>1</sup>, Vivi Maketa<sup>1</sup>, Flory Luzolo<sup>1</sup>, Yann Kafala<sup>1</sup>, Evodie Ngelesi<sup>1</sup>, Moussa Djimde<sup>2</sup>, Patrick Mitashi<sup>1</sup>, Thierry Kalonji-Mukendi<sup>3</sup>, Damien Mbanzulu Pita Nsonizau<sup>4</sup>, Kassoum Kayentao<sup>2</sup>, Petra F. Mens<sup>5</sup>, Ryan van den Boss<sup>5</sup>, Henk D. F. H. Schallig<sup>5</sup>  
<sup>1</sup>Department of Tropical Medicine, University of Kinshasa (UNIKIN), Kinshasa, Congo, Democratic Republic of the, <sup>2</sup>Malaria Research and Training Center (MRTC), University of Sciences of Techniques and Technologies of Bamako (USTTB), Bamako, Mali, <sup>3</sup>Programme National de Lutte Contre le Monkeypox et les Fièvres Hémorragiques Virales, Ministère de la Santé (PNLMPX-FHV), Kinshasa, Congo, Democratic Republic of the, <sup>4</sup>Department of Gynecology and Obstetrics, Faculty of Medicine, University of Kinshasa, Kinshasa, Congo, Democratic Republic of the, <sup>5</sup>Amsterdam University Medical Centre, Department of Medical Microbiology and Infection Prevention, Laboratory for Experimental Parasitology, Amsterdam, Netherlands

**Poster Session A Presentations**

Thursday, November 14, Noon - 1:45 pm

Convention Center – Hall I-1 (1<sup>st</sup> Floor)**LB-9103****KALUMI - An adaptive run-in cohort of a Phase II trial to evaluate food-effects of ganaplacide/lumefantrine in adolescent patients**

**Issaka Sagara**<sup>1</sup>, Rella Zoleko Manego<sup>2</sup>, Sodiomon Bienvenu Sirima<sup>3</sup>, Andre Toure Offianan<sup>4</sup>, Jean Bosco Ouedraogo<sup>5</sup>, Mulenge Kilowele<sup>6</sup>, Zhiyan Qian<sup>7</sup>, Celine Risterucci<sup>7</sup>, Cornelis Winnips<sup>7</sup>, Guoqin Su<sup>8</sup>, Anne Claire Marrast<sup>9</sup>, Myriam El Gaaloul<sup>10</sup>, Martin Peter Grobusch<sup>11</sup>, Abdoulaye Djimde<sup>1</sup>

<sup>1</sup>University of Science, Technic and Technologies, Bamako, Mali, <sup>2</sup>CERMEL Albert Schweitzer Hospital, Lambarene, Gabon, <sup>3</sup>Groupe de Recherche Action en Sante (GRAS), Ouagadougou, Burkina Faso, <sup>4</sup>Pasteur Institute Ivory Coast, Abidjan, Côte D'Ivoire, <sup>5</sup>Institute des Sciences et Techniques, Bobo Dioulasso, Burkina Faso, <sup>6</sup>Hopital General de Ref de Kenya, Lubumbashi, Congo, Democratic Republic of the, <sup>7</sup>Novartis Pharma AG, Basel, Switzerland, <sup>8</sup>Novartis Pharmaceutical Corporation, Summit, NJ, United States, <sup>9</sup>Medicines for Malaria Ventures, Geneva, Switzerland, <sup>10</sup>Medicines for Malaria Venture, Geneva, Switzerland, <sup>11</sup>Center for tropical medicine and travel medicine, Amsterdam, Netherlands

**LB-9104****Contribution of Community Health Workers in the Control of Malaria in Côte d'Ivoire**

**Edouard C. Balogoun**<sup>1</sup>, Claude M. Gueffié<sup>1</sup>, Yssouf Ouattara<sup>1</sup>, Jacob Agnima<sup>1</sup>, Joel Koffi<sup>1</sup>, Dimi T. Doudou<sup>2</sup>, Zié A. Ouattara<sup>2</sup>, Muhammad Imran<sup>1</sup>, Ramata Ouattara<sup>3</sup>, Eric A. Swedberg<sup>3</sup>

<sup>1</sup>Save the Children International, Abidjan, Côte D'Ivoire, <sup>2</sup>Centre de Recherche pour le Développement, Abidjan, Côte D'Ivoire, <sup>3</sup>Save the Children, Washington, DC, United States

**LB-9105****Using *Plasmodium falciparum* genetic crosses to study parasite fitness within the mosquito vector and sporozoite infection of the human hepatocyte**

**Lucia Pazzagli**<sup>1</sup>, Bethany Jenkins<sup>2</sup>, Ankit Dwivedi<sup>3</sup>, Asha Patil<sup>2</sup>, Yonas Abebe<sup>2</sup>, Nastaran Rezakhani<sup>1</sup>, Joana Carneiro Da Silva<sup>3</sup>, Ashley M. Vaughan<sup>1</sup>, B. Kim Lee Sim<sup>2</sup>

<sup>1</sup>Seattle Children's Research Institute, Seattle, WA, United States, <sup>2</sup>Sanaria, Rockville, MD, United States, <sup>3</sup>University of Maryland, College Park, MD, United States

**LB-9106****A whole *P. falciparum* gametocyte liposomal vaccine induces cross-stage parasite-specific cellular immune responses and inhibits parasite development in the mosquito host**

Taymin du Toit-Thompson<sup>1</sup>, Emily Cooper<sup>1</sup>, Mei-Fong Ho<sup>1</sup>, Johnathan Renn<sup>2</sup>, Olga Muratova<sup>2</sup>, Md. Tanjir Islam<sup>3</sup>, Xue Q. Liu<sup>1</sup>, Waleed M. Hussein<sup>3</sup>, Mariusz Skwarczynski<sup>3</sup>, Istvan Toth<sup>3</sup>, B. Kim Lee Sim<sup>4</sup>, Stephen L. Hoffman<sup>4</sup>, Patrick Duffy<sup>2</sup>, Michael F. Good<sup>1</sup>, **Danielle I. Stanicic**<sup>1</sup>

<sup>1</sup>Griffith University, Southport, Australia, <sup>2</sup>National Institute of Allergy and Infectious Diseases, National Institutes of Health, Rockville, MD, United States, <sup>3</sup>University of Queensland, St Lucia, Australia, <sup>4</sup>Sanaria Inc, Rockville, MD, United States

**LB-9107****Analysis of Results Based Financing approach contribution to sustained MALARIA CONTROL towards elimination in Rwanda from 2018 to 2023****THEONESTE HABIMANA**

RWANDA BIO MEDICAL CENTRE, KIGALI, Rwanda

**LB-9108****Acceptability of malaria vaccination in areas with seasonal malaria transmission**

**Jane Grant**<sup>1</sup>, Halimatou Diawara<sup>2</sup>, Fadima Bocoum<sup>3</sup>, Maimounata Sawadogo<sup>4</sup>, Seydou Traore<sup>2</sup>, Issaka Zongo<sup>4</sup>, Fatoumata Koita<sup>2</sup>, Alassane Haro<sup>4</sup>, Jessica Myers<sup>1</sup>, Issaka Sagara<sup>2</sup>, Daniel Chandramohan<sup>1</sup>, Brian Greenwood<sup>1</sup>, Alassane Dicko<sup>2</sup>, Jean Bosco Ouedraogo<sup>4</sup>, Jayne Webster<sup>1</sup>

<sup>1</sup>LSHTM, London, United Kingdom, <sup>2</sup>MRTC, Bamako, Mali, <sup>3</sup>IRSS, Ouagadougou, Burkina Faso, <sup>4</sup>IRSS, Bobo-Dioulasso, Burkina Faso

**LB-9109****Prevalence of plasmodium falciparum in peripheral blood and associated risk factors among pregnant women on sulfadoxine pyrimethamine at the Ghana Atomic Energy Commission Hospital.****Stephen Tetteh Oblijah Aryeetey**

Meditech laboratory services, Accra, Ghana

## Poster Session A Presentations

Thursday, November 14, Noon - 1:45 pm

Convention Center – Hall I-1 (1<sup>st</sup> Floor)

### LB-9110

#### **Exposure to malaria prophylactic medication prescriptions during pregnancy in women receiving care in the US Military Health System from 2011-2023**

**Elizabeth Lee**<sup>1</sup>, Zoe Solomon<sup>2</sup>, Apryl Susi<sup>2</sup>, Siddarth Sharma<sup>2</sup>, Patrick W. Hickey<sup>2</sup>, Alison Helfrich<sup>1</sup>

<sup>1</sup>The Uniformed Services University of the Health Sciences, Bethesda, MD, United States, <sup>2</sup>Henry M Jackson Foundation for the Advancement of Military Medicine, Bethesda, MD, United States

### LB-9111

#### **Dual Plasmeprin IX and X Inhibitors Are Refractory to Resistance**

**Paola Favuzza**<sup>1</sup>, Madeline Dans<sup>1</sup>, Josephine Palandri<sup>1</sup>, Manuel de Lera Ruiz<sup>2</sup>, Anna Ngo<sup>1</sup>, Maria V. Fawaz<sup>2</sup>, Nicholas Murgolo<sup>2</sup>, Zhuyan Guo<sup>2</sup>, Kitsanapong Reaksudsan<sup>1</sup>, Jonathan A. Robbins<sup>2</sup>, Matthias Rottmann<sup>3</sup>, Kym Lowes<sup>1</sup>, John A. McCauley<sup>2</sup>, James S. McCarthy<sup>1</sup>, David B. Olsen<sup>2</sup>, Alan F. Cowman<sup>1</sup>

<sup>1</sup>The Walter and Eliza Hall Institute of Medical Research, Parkville, Australia, <sup>2</sup>Merck & Co., Inc., West Point, PA, United States, <sup>3</sup>Swiss Tropical and Public Health Institute, Basel, Switzerland

### LB-9112

#### **Cost-effectiveness of next-generation long-lasting insecticidal nets delivered through a national campaign: an economic evaluation in Uganda**

**Katherine Snyman**<sup>1</sup>, Adrienne Epstein<sup>2</sup>, Samuel Gonahasa<sup>3</sup>, Jane Frances Namuganga<sup>3</sup>, Martha Nassali<sup>3</sup>, Catherine Maiteki-Sebuguzi<sup>3</sup>, Isaiah Nabende<sup>3</sup>, Joaniter Nankabirwa<sup>3</sup>, Jimmy Opigo<sup>4</sup>, Martin J. Donnelly<sup>5</sup>, Moses R. Kanya<sup>3</sup>, Grant Dorsey<sup>2</sup>, Catherine Pitt<sup>1</sup>, Sarah G. Staedke<sup>5</sup>

<sup>1</sup>London School of Hygiene and Tropical Medicine, London, United Kingdom, <sup>2</sup>University of California, San Francisco, San Francisco, CA, United States, <sup>3</sup>Infectious Diseases Research Collaboration, Kampala, Uganda, <sup>4</sup>Uganda Ministry of Health, Kampala, Uganda, <sup>5</sup>Liverpool School of Tropical Medicine, Liverpool, United Kingdom

### LB-9113

#### **Scaling Up Digital Job-Aid for Community Health Workers to Improve Reporting and Access to Real-Time Data: A Case Study of Uganda's eCHIS**

**Nabwire Ruth**, Nabwire Ruth, Ronald Kimuli, Meddy Rutayisire

Ministry of Health, Kampala, Uganda

### LB-9114

#### **Pre-existing antibody reduces Radiation Attenuated Sporozoites (RAS) vaccine response, by blocking RAS invasion of liver in C57BL/6 mice.**

**Solomon Conteh**<sup>1</sup>, Nicholas Poulton<sup>1</sup>, Robert Morrison<sup>1</sup>, Jillian Neal<sup>1</sup>, Junhui Daun<sup>1</sup>, Myesha Singleton<sup>1</sup>, Lynn Lambert<sup>1</sup>, John P. Gorres<sup>1</sup>, Jean Langhorne<sup>2</sup>, Patrick Duffy<sup>1</sup>

<sup>1</sup>National Institutes of Health, Bethesda, MD, United States, <sup>2</sup>Francis Crick Institute, London, United Kingdom

### LB-9115

#### **A Natural Language Processing Approach for Early Detection of Malaria Outbreaks in Senegal**

**Demba Kande**<sup>1</sup>, Fodé Camara<sup>2</sup>, Yakou Dieye<sup>1</sup>, Moustapha Cisse<sup>1</sup>, Tidiane Thiam<sup>1</sup>, El Hadji Doucoure<sup>3</sup>

<sup>1</sup>PATH Malaria Control and Elimination Partnership in Africa (MACEPA), Dakar, Senegal, <sup>2</sup>Université Alioune Diop, Bambey, Senegal, <sup>3</sup>National Malaria Control Programme, Dakar, Senegal

### LB-9116

#### **Malaria vaccine acceptance for under-five children among pregnant women in Kinshasa, Democratic Republic of the Congo**

**Dalau M. Nkamba**<sup>1</sup>, Sydney Merritt<sup>2</sup>, Skylar A. Martin<sup>2</sup>, Nicole A. Hoff<sup>2</sup>, Michael Beia<sup>1</sup>, Handdy Kalengi<sup>1</sup>, Megan Halbrook<sup>2</sup>, Didine K. Kaba<sup>1</sup>, Anne W. Rimoin<sup>2</sup>

<sup>1</sup>Kinshasa School of Public Health, University of Kinshasa, Kinshasa, Congo, Democratic Republic of the, <sup>2</sup>Fielding School of Public Health, University of California, Los Angeles, Los Angeles, CA, United States

**LB-9117**

**Association between HLA Class I and II Alleles and Risk of Clinical Malaria Within a Malian Cohort**

**Albert B. Park**<sup>1</sup>, Hyeseon Cho<sup>1</sup>, Jeff Skinner<sup>1</sup>, Youngsil Seo<sup>1</sup>, Mathias Viard<sup>2</sup>, Colm Oluigin<sup>2</sup>, Ludmila Krymskaya<sup>3</sup>, Didier Doumtabe<sup>4</sup>, Safiatou Doumbo<sup>4</sup>, Aissata Ongoiba<sup>4</sup>, Kassoum Kayentao<sup>4</sup>, Boubacar Traore<sup>4</sup>, Mary Carrington<sup>2</sup>, Daniel E. Geraghty<sup>5</sup>, Eric O. Long<sup>6</sup>, Peter D. Crompton<sup>1</sup>, Malcolm J. W Sim<sup>7</sup>

<sup>1</sup>Malaria Infection Biology and Immunity Section, Laboratory of Immunogenetics, NIAID, NIH, Rockville, MD, United States, <sup>2</sup>Basic Science Program, Frederick National Laboratory for Cancer Research, National Cancer Institute, Frederick, MD, United States, <sup>3</sup>Laboratory of Immunogenetics, NIAID, NIH, Rockville, MD, United States, <sup>4</sup>Malaria Research and Training Centre, Department of Epidemiology of Parasitic Diseases, International Center of Excellence in Research, University of Sciences, Technique and Technology of Bamako, Bamako, Mali, <sup>5</sup>Clinical Research Division, Fred Hutchinson Cancer Research Center, Seattle, WA, United States, <sup>6</sup>Molecular and Cellular Immunology Section, Laboratory of Immunogenetics, NIAID, NIH, Rockville, MD, United States, <sup>7</sup>Centre for Immuno-Oncology, Nuffield Department of Medicine, University of Oxford, Oxford, United Kingdom

**LB-9118**

**4-Aminoquinoline Derivatives Combat Multi-Drug Resistant Plasmodium falciparum.**

**Mason James Handford**<sup>1</sup>, Terry Riscoe<sup>2</sup>, Yuexin Li<sup>2</sup>, Katherine Liebman<sup>2</sup>, Xiaowei Zhang<sup>1</sup>, Michael K. Riscoe<sup>1</sup>

<sup>1</sup>Oregon Health and Science University, Portland, OR, United States, <sup>2</sup>Portland VA Medical Center, Portland, OR, United States

**LB-9119**

**Changes in gene expression over 90 days with and without P. vivax relapses**

**Kieran Tebben**<sup>1</sup>, Virak Eng<sup>2</sup>, Dynang Seng<sup>2</sup>, Baura Tat<sup>2</sup>, Lionel Brice Feufack Donfack<sup>2</sup>, Agnes Orban<sup>2</sup>, Sitha Sin<sup>2</sup>, Sokleap Heng<sup>2</sup>, Sopheakvatey Keo<sup>2</sup>, Nimol Kloeung<sup>2</sup>, Benoit Witkowski<sup>2</sup>, Dysoley Lek<sup>2</sup>, Nimol Khim<sup>2</sup>, Jean Popovici<sup>2</sup>, David Serre<sup>1</sup>

<sup>1</sup>University of Maryland, Baltimore, Baltimore, MD, United States, <sup>2</sup>Institut Pasteur du Cambodge, Phnom Penh, Cambodia

**LB-9120**

**Pvs230D1-EPA/Matrix-M™: Initial phase 1 trial results of a Plasmodium vivax transmission blocking vaccine**

**Joel Goldberg**<sup>1</sup>, John Woodford<sup>1</sup>, David Cook<sup>1</sup>, Judith E. Epstein<sup>1</sup>, Justin Doritchamou<sup>1</sup>, Julie Zemskova<sup>1</sup>, Emily Higbee<sup>1</sup>, Aye Diallo<sup>1</sup>, Pinar Kemanli<sup>1</sup>, Kayode Adeyemi<sup>1</sup>, Jillian Neal<sup>1</sup>, Josephine Jean<sup>1</sup>, Viyada Doan<sup>1</sup>, Sara A. Healy<sup>1</sup>, Jen CC Hume<sup>1</sup>, Martha Nason<sup>1</sup>, Bruce Swihart<sup>1</sup>, Daming Zhu<sup>1</sup>, Nicholas J. MacDonald<sup>1</sup>, Kelly M. Rausch<sup>1</sup>, Puthupparampil V. Scaria<sup>1</sup>, David L. Narum<sup>1</sup>, Jenny M. Reimer<sup>2</sup>, Karin Lövgren Bengtsson<sup>2</sup>, Filip Dubovsky<sup>3</sup>, Gale Smith<sup>3</sup>, Patrick E. Duffy<sup>1</sup>

<sup>1</sup>NIH, BETHESDA, MD, United States, <sup>2</sup>Novavax AB, Uppsala, Sweden, <sup>3</sup>Novavax, Gaithersburg, MD, United States

**LB-9121**

**Temporal trends of malaria prevalence among asymptomatic individuals from rural communities in three regions with varying transmission intensities in Mainland Tanzania**

**Daniel Protasy Challe**<sup>1</sup>, Filbert Francis<sup>1</sup>, Daniel A. Petro<sup>2</sup>, Misago D. Seth<sup>3</sup>, Rashid A. Madebe<sup>3</sup>, Salehe S. Mandai<sup>3</sup>, Angelina J. Kasambale<sup>3</sup>, Gervas A. Chacha<sup>3</sup>, Ramadhan Moshi<sup>3</sup>, Ruth B. Mbwambo<sup>3</sup>, Dativa Pereus<sup>3</sup>, Catherine Bakari<sup>3</sup>, Celine I. Mandara<sup>3</sup>, Vedastus W. Makene<sup>4</sup>, Deus S. Ishengoma<sup>3</sup>

<sup>1</sup>National Institute for Medical Research, Tanga, Tanzania, United Republic of, <sup>2</sup>University of Dar es Salaam, Dar es Salaam, Tanzania, United Republic of, <sup>3</sup>National Institute for Medical Research, Dar es Salaam, Tanzania, United Republic of, <sup>4</sup>Open University of Tanzania, Dar es Salaam, Tanzania, United Republic of

**LB-9122**

**Possible effect of neutropenia on the efficacy of artemisinin-based combination therapy in pregnant women in Mali**

**Moussa Djimde**<sup>1</sup>, Charles Arama<sup>1</sup>, Hamadoun Diakit<sup>1</sup>, Mohamed Keita<sup>1</sup>, Bouréma Koné<sup>1</sup>, Mamadou Diaoule Samaké<sup>1</sup>, Bréhima Tembely<sup>1</sup>, Balla Bagayoko<sup>1</sup>, Mohamed Bougoury Traoré<sup>1</sup>, Japhet Kabalu Tshiongo<sup>2</sup>, Alassane Dicko<sup>1</sup>, Michel Vaillant<sup>3</sup>, Petra F. Mens<sup>4</sup>, Henk D. F. H. Schallig<sup>4</sup>, Kassoum Kayentao<sup>1</sup>

<sup>1</sup>Malaria Research and Training Center, University of Bamako, Mali, Bamako, Mali, <sup>2</sup>Department of Tropical Medicine, University of Kinshasa (UNIKIN), Kinshasa, Democratic Republic of the Congo, Kinshasa, Congo, Democratic Republic of the, <sup>3</sup>Centre of Competence for Methodology and Statistics (CCMS), Luxembourg Institute of Health (LIH), Strassen, Luxembourg, Luxembourg, Luxembourg, <sup>4</sup>Amsterdam University Medical Center, Department of Medical Microbiology and Infection Prevention, Laboratory for Experimental Parasitology, Amsterdam Institute for Immunology and Infectious Diseases, 1105 AZ Amsterdam – Netherlands, Amsterdam, Netherlands

**Poster Session A Presentations**

Thursday, November 14, Noon - 1:45 pm

Convention Center – Hall I-1 (1<sup>st</sup> Floor)**LB-9123****Successful launch of malaria molecular surveillance and sequencing in Ethiopia confirms drug-resistance mutations including *kelch13* C580Y in the Abobo District, Gambella Region**

**Ashenafi Assefa Bahita**<sup>1</sup>, Boja Tadesse<sup>2</sup>, Bokretsiion Gidey<sup>2</sup>, Heven Sime<sup>2</sup>, Mahlet Belachew<sup>2</sup>, Henok Hailgiorgis<sup>2</sup>, Bethlehem Aklilu<sup>3</sup>, Atsbeha Gebreegziaxier<sup>2</sup>, Dawit Hailu Alemayehu<sup>3</sup>, Jacob Sadler<sup>4</sup>, Mogess Kassa<sup>2</sup>, Kevin Wamae<sup>5</sup>, Isabela G. Gyuricza<sup>4</sup>, Mesay Hailu<sup>2</sup>, Getachew Tollera<sup>2</sup>, Geremew Tasew<sup>2</sup>, Jonathan J. Juliano<sup>4</sup>, Abebe A. Fola<sup>6</sup>, Jeffrey A. Bailey<sup>6</sup>, Jonathan B. Parr<sup>4</sup>

<sup>1</sup>Institute for Global Health and Infectious Diseases, University of North Carolina at Chapel Hill, Ethiopian Public Health Institute, Addis Ababa, Ethiopia, <sup>2</sup>Ethiopian Public Health Institute, Addis Ababa, Ethiopia, <sup>3</sup>Armauer Hansen Research Institute, Addis Ababa, Ethiopia, <sup>4</sup>Institute for Global Health and Infectious Diseases, University of North Carolina at Chapel Hill, Chapel Hill, NC, United States, <sup>5</sup>KEMRI-Wellcome Trust Research Programme, Kilifi, Kenya, <sup>6</sup>Department of Pathology and Laboratory Medicine, Warren Alpert Medical School, Brown University, Providence, RI, United States

**LB-9124****Epidemiology and clinical outcomes of *Plasmodium vivax* malaria in Arba Minch: Implications on Malaria Elimination in Ethiopia**

**Meshesha Tsigie Negash**<sup>1</sup>, Daniel Melesse Desalegn<sup>1</sup>, Geremew Tasew<sup>1</sup>, Feven Girmachew<sup>1</sup>, Aduugna Abera<sup>1</sup>, Tassew Tefera Shenkutie<sup>2</sup>, Lea Baldor<sup>3</sup>, Brice Feufack Donfack<sup>3</sup>, Sindew Mekasha Feleke<sup>1</sup>, Jean Popovici<sup>3</sup>, Abnet Abebe Assefa<sup>1</sup>, Eugenia Lo<sup>2</sup>

<sup>1</sup>Ethiopian Public Health Institute, Addis Ababa, Ethiopia, <sup>2</sup>Drexel University, Philadelphia, PA, United States, <sup>3</sup>Institut Pasteur du Cambodge, Phnom Penh, Cambodia

**LB-9125****Molecular surveillance of malaria to inform control and elimination in Mozambique (GenMoz)**

**Bernardete Xavier Rafael**<sup>1</sup>, Clemente Da Silva<sup>2</sup>, Simone Boene<sup>2</sup>, Eduard Rovira-Vallbona<sup>3</sup>, Arnau Pujol<sup>3</sup>, Andrés Aranda-Díaz<sup>4</sup>, Arlindo Chidimatembue<sup>2</sup>, Dário Tembisse<sup>2</sup>, Manuel García-Ulloa<sup>3</sup>, Pau Cisteró<sup>3</sup>, Carla García-Fernandez<sup>3</sup>, Glória Matambisso<sup>2</sup>, Henriques Mbeve<sup>2</sup>, Nelo Ndimande<sup>2</sup>, Fabião Luis<sup>2</sup>, Humberto Munguambe<sup>2</sup>, Abel Nhama<sup>2</sup>, Lídia Nhamussua<sup>2</sup>, Wilson Simone<sup>2</sup>, Brian Palmer<sup>4</sup>, Kiba Comiche<sup>2</sup>, Sónia Enosse<sup>5</sup>, Pedro Aide<sup>2</sup>, Neide Canana<sup>5</sup>, Caterina Guinovart<sup>3</sup>, Bryan Greenhouse<sup>4</sup>, Francisco Saute<sup>2</sup>, Baltazar

Candrinho<sup>1</sup>, Alfredo Mayor<sup>2</sup>

<sup>1</sup>National Malaria Control Program, Maputo, Mozambique, <sup>2</sup>Centro de Investigação em Saúde de Manhiça (CISM), Maputo, Mozambique, <sup>3</sup>ISGlobal, Hospital Clínic – Universitat de Barcelona, Barcelona, Spain, <sup>4</sup>EPPICenter Research Program, Division of HIV, Infectious Disease and Global Medicine, Department of Medicine, University of California San Francisco Division of HIV, Infectious Diseases and Global Medicine, California, CA, United States, <sup>5</sup>Malaria Consortium, Maputo, Mozambique

**LB-9126****Therapeutic Efficacy of Artesunate-Pyronaridine and Dihydroartemisinin-Piperaquine combinations in the treatment of uncomplicated malaria in Ghana**

**Benjamin Kwaku Abuaku**<sup>1</sup>, Paul Boateng<sup>2</sup>, Nancy Odurowah Duah-Quashie<sup>1</sup>, Nana Yaw Peprah<sup>1</sup>, Neils Ben Quashie<sup>3</sup>, Alexander Asamoah<sup>2</sup>, Eunice Obeng Amoako<sup>1</sup>, Keziah Laurencia Malm<sup>2</sup>, Kwadwo Ansah Koram<sup>1</sup>

<sup>1</sup>Noguchi Memorial Institute for Medical Research, College of Health Sciences, University of Ghana, Accra, Ghana, <sup>2</sup>National Malaria Elimination Programme, Public Health Division, Ghana Health Service, Accra, Ghana, <sup>3</sup>University of Ghana Medical School, Accra, Ghana

**LB-9127****Age-stratified and temporal impact of seasonal malaria chemoprevention on drug resistance markers in the *Plasmodium falciparum* infection reservoir in northern Ghana**

Dionne C. Argyropoulos<sup>1</sup>, Mun Hua Tan<sup>1</sup>, Cecilia Rios-Teran<sup>1</sup>, Fathia Rasyidi<sup>1</sup>, Oscar Bangre<sup>2</sup>, Patrick Ansah<sup>2</sup>, Kwadwo A. Koram<sup>3</sup>, **Kathryn E. Tiedje**<sup>1</sup>, Karen P. Day<sup>1</sup>

<sup>1</sup>The University of Melbourne, Melbourne, Australia, <sup>2</sup>Navrongo Health Research Centre, Navrongo, Ghana, <sup>3</sup>Noguchi Memorial Institute for Medical Research, Legon, Ghana

**LB-9128****Accelerating progress towards the elimination of LF: Hydrocele surgery - sustaining progress made****Martha N. Mberu**

The END Fund, New York, NY, United States

## Poster Session A Presentations

Thursday, November 14, Noon - 1:45 pm

Convention Center – Hall I-1 (1<sup>st</sup> Floor)

### LB-9129

#### Enhanced in-country coordination mechanisms for sustained NTD Elimination: Key lessons from Kenya

Wyckliff Omondi<sup>1</sup>, Mary K.A. Nyamongo<sup>2</sup>

<sup>1</sup>Ministry of Health, Kenya, Nairobi, Kenya, <sup>2</sup>African Institute for Health and Development, Nairobi, Kenya

### LB-9130

#### Field Evaluation of a Real-time PCR Method (ND-5, O-150) for Detection of *Onchocerca volvulus* in *Simulium damnosum* Blackflies in Tanzania

Paul Martine Hayuma<sup>1</sup>, Jessica E. Prince-Guerra<sup>2</sup>, Bernard Batengana<sup>1</sup>, Dady Mbwana<sup>1</sup>, Akili Kalinga<sup>1</sup>, George Kabona<sup>1</sup>, Hadj Aoued<sup>2</sup>, Paul Cantey<sup>2</sup>, Athanas Dustan Mhina<sup>1</sup>, Peter Mabenga<sup>1</sup>, Andreas M. Nshala<sup>2</sup>, Rebecca J. M. Chancey<sup>2</sup>, Stephen Lindstrom<sup>2</sup>

<sup>1</sup>National Institute for Medical Research, Tanga, Tanzania, United Republic of, <sup>2</sup>Centers for Disease Control and Prevention, Atlanta, GA, United States

### LB-9131

#### Characterizing the Added Epidemiological Value of Using Multiple Antigens for Serological Surveillance for Neglected Tropical Diseases and Enteric Pathogens

WEI LIU<sup>1</sup>, Sophie Bérubé<sup>2</sup>, Andrea C. Carcelen<sup>3</sup>, William J. Moss<sup>1</sup>, Christopher Drakeley<sup>4</sup>, Saki Takahashi<sup>1</sup>

<sup>1</sup>Department of Epidemiology, Johns Hopkins Bloomberg School of Public Health, Baltimore, MD, United States, <sup>2</sup>College of Public Health and Health Professions, University of Florida, Gainesville, FL, United States, <sup>3</sup>Department of International Health, International Vaccine Access Center, Johns Hopkins Bloomberg School of Public Health, Baltimore, MD, United States, <sup>4</sup>Department of Infection Biology, London School of Hygiene and Tropical Medicine, Baltimore, MD, United States

### LB-9132

#### Predictive Immunoinformatics Reveal Promising Safety and Anti-Onchocerciasis Protective Immune Response Profiles to Vaccine Candidates (Ov-RAL-2 and Ov-103) in Anticipation of Phase I Clinical Trials

Nebangwa Derrick Neba<sup>1</sup>, Robert Adamu Shey<sup>2</sup>, Daniel Madulu Shadrack<sup>3</sup>, Cabirou Mouchili Shintouo<sup>1</sup>, Bernis Neneyoh Yengo<sup>4</sup>, Arnaud Azonpi Lemoge<sup>5</sup>,

Fidele Ntie-Kang<sup>6</sup>, Fidele Ntie-Kang<sup>7</sup>, Stephen Mbigha Ghogomu<sup>1</sup>

<sup>1</sup>Department of Biochemistry and Molecular Biology, University of Buea, Buea, Cameroon, <sup>2</sup>Institute for Medical Microbiology, Immunology and Parasitology (IMMIP), University Hospital Bonn, Bonn, Germany, <sup>3</sup>Department of Chemistry, St. John's University of Tanzania, Dodoma, Tanzania, United Republic of, <sup>4</sup>Department of Microbiology and Immunology, Drexel University College of Medicine, Philadelphia, PA, United States, <sup>5</sup>Ngonpong Therapeutics, Wilmington, DE, United States, <sup>6</sup>Institute of Pharmacy, Martin-Luther University of Halle-Wittenberg, Halle, Germany, <sup>7</sup>Center for Drug Discovery, University of Buea, Buea, Cameroon

### LB-9133

#### Recommendations to address never treatment in the elimination of lymphatic filariasis in two regions of Guyana : report from a participatory workshop

Claudia Duguay<sup>1</sup>, Annastacia Sampson<sup>2</sup>, Reza A. Niles-Robin<sup>2</sup>, Ronaldo G. Carvalho Scholte<sup>3</sup>, Alison Krentel<sup>1</sup>

<sup>1</sup>Bruyère Research Institute, Ottawa, ON, Canada, <sup>2</sup>Neglected Tropical Diseases Programme-Vector control Services, Ministry of Health, Georgetown, Guyana, <sup>3</sup>Neglected, Tropical, and Vector Borne Diseases, Pan American Health Organiza, Washington, DC, United States

### LB-9134

#### RT-RPA as a dual tool for detection and phylogenetic analysis of epidemic arthritogenic alphaviruses

Sainetra Sridhar, Prince B. Tonto, Lily Lumkong, Bobby B. Herrera  
Child Health Institute of New Jersey, Rutgers Robert Wood Johnson Medical School, New Brunswick, NJ, United States

**Poster Session A Presentations**

Thursday, November 14, Noon - 1:45 pm  
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**LB-9135**

**Implementation of the Schistosomiasis Practical and Precision Assessment guidance for assessment of the impact of mass drug administration on schistosomiasis in five districts of Tanzania**

**Veronica Kabona**<sup>1</sup>, Mohamed Nyati<sup>2</sup>, Stephen Mbwambo<sup>2</sup>, Allison Shaffer<sup>3</sup>, Upendo Mwingira<sup>3</sup>, Ditrick Novat<sup>1</sup>, Casmil Masayi<sup>4</sup>, Abdallah Zakaria<sup>5</sup>, Julius Masanika<sup>1</sup>, Shabbir Lalji<sup>1</sup>, Billy Ngasala<sup>5</sup>, George Kabona<sup>6</sup>, Clara Jones<sup>2</sup>

<sup>1</sup>RTI International, Act to End NTDs East, Dar es salaam, Tanzania, United Republic of, <sup>2</sup>Neglected Tropical Diseases Control Program – Ministry of Health, Dodoma, Tanzania, United Republic of, <sup>3</sup>RTI International, Washington DC, WA, United States, <sup>4</sup>RTI International, Dodoma, Tanzania, United Republic of, <sup>5</sup>Muhimbili University of Health and Allied Sciences, Dar es salaam, Tanzania, United Republic of, <sup>6</sup>Njombe Region Administrative Secretariat, Njombe, Tanzania, United Republic of

**LB-9136**

**Operational Transmission Zones: Essential Component of Onchocerciasis Elimination**

**Jennifer Kniss**<sup>1</sup>, Achille Kabore<sup>1</sup>, Moses N. Katabarwa<sup>2</sup>, David Oguttu<sup>3</sup>, Dje Norbert<sup>4</sup>, Virginie Ettiegne-Traore<sup>5</sup>, Aba Elvis<sup>5</sup>

<sup>1</sup>FHI 360, Washington, DC, United States, <sup>2</sup>Independent Consultant, Atlanta, GA, United States, <sup>3</sup>Ministry of Health, Uganda, Kampala, Uganda, <sup>4</sup>Ministry of Health, Cote d'Ivoire, Abidjan, Côte D'Ivoire, <sup>5</sup>FHI 360, Abidjan, Côte D'Ivoire

**LB-9137**

**Double negative (CD4-CD8-) T cells persist in the gut of mice chronically infected with *Trypanosoma cruzi* and inhibit parasite growth in myoblasts *in vitro***

**Jung-Sun Cho**, Supriya Kumar, Erica Silberstein, Alain Debrabant  
FDA, silver spring, MD, United States

**LB-9138**

**Decoding Neurobrucellosis: Exploring Symptoms and Solutions**

**Anna Joshua**<sup>1</sup>, Tahsin Farid<sup>2</sup>  
<sup>1</sup>Coimbatore Medical College, Coimbatore, India, <sup>2</sup>US FDA, NCATS, Silver Springs, Rockville, MD, United States

**LB-9139**

**Strengthening Lymphatic Filariasis Prevention, Treatment and Surveillance : The Role of Medical Colleges"**

**Dr Tanu Jain**<sup>1</sup>, Dr Chhavi Pant Joshi<sup>1</sup>, Dr Atul Mittal<sup>2</sup>  
<sup>1</sup>National Centre for Vector Borne Diseases Control, Ministry of Health and Family Welfare, Govt of India, Delhi, India, <sup>2</sup>TSU, National Centre for Vector Borne Diseases Control, Ministry of Health and Family Welfare, Govt of India, Delhi, India

**LB-9140**

**Lessons learned from four years of implementing HIV/AIDS prevention and care interventions in military health facilities in Gabon**

Luc Armel D. Mfolou<sup>1</sup>, Jean Marcel N. Mandji Lawson<sup>2</sup>, Brice A. Angoué Eboué<sup>2</sup>, Josiane A. Ada Nkah<sup>2</sup>, Liyu Teklemichael<sup>1</sup>, Sandra Djalle Incardona<sup>1</sup>, **Mariam D. Bahova**<sup>1</sup>, Jordan Smith<sup>1</sup>, Beulah Jayakumar<sup>1</sup>  
<sup>1</sup>MCD Global Health, Silver Spring, MD, United States, <sup>2</sup>Gabon's Military HIV/AIDS Program (PMLS), Libreville, Gabon

**LB-9141**

**Epidemiology and Antifungal Susceptibility of Candidemia at King Abdulaziz University Hospital A Retrospective Analysis**

**Shaymaa Abdalal**  
King Abdulaziz University, Jeddah, Saudi Arabia

**LB-9142**

**Predisposing Factors for Invasive Capsulated Bacterial Infection at Tertiary Care Hospital in Jeddah, Saudi Arabia**

**Shaymaa Abdalal**  
King Abdulaziz University, Jeddah, Saudi Arabia

**LB-9143**

**The Core: A case of Multisegmental Pott's Disease involving cervical, thoracic and thoracolumbar spine in a 50 year old male with cauda equina syndrome**

**Mark Andre Grisola**, Ralph Aniceto, Allan Thomas Balano  
Divine Word Hospital, Tacloban, Philippines

## Poster Session A Presentations

Thursday, November 14, Noon - 1:45 pm

Convention Center – Hall I-1 (1<sup>st</sup> Floor)

### LB-9144

#### **An exploration of patients' barriers along the tuberculosis care cascade in the Democratic Republic of Congo.**

**Philippe Lukanu**<sup>1</sup>, Dieudonne Bidashimwa<sup>2</sup>, Aliocha Nkodila<sup>1</sup>

<sup>1</sup>*SANRU asbl, Kinshasa, Congo, Democratic Republic of the*, <sup>2</sup>*FHI 360, Kinshasa, Congo, Democratic Republic of the*

### LB-9145

#### **Diabetes and tuberculosis comorbidity in the Democratic Republic of Congo: prevalence, correlates, and programmatic implications**

**Dieudonne Bidashimwa**<sup>1</sup>, Philippe Lukanu<sup>2</sup>, Aliocha Nkodila<sup>2</sup>

<sup>1</sup>*FHI 360, Kinshasa, Congo, Democratic Republic of the*, <sup>2</sup>*SANRU asbl, Kinshasa, Congo, Democratic Republic of the*

### LB-9146

#### **Impact of a National Tuberculosis (TB) Campaign "Check am O" on TB testing, referral and stigma level in Nigeria.**

**Bolatito Aiyenigba**<sup>1</sup>, Nathanael Afolabi<sup>1</sup>, Aderonke Poppola<sup>1</sup>, Jennifer Orkisz<sup>2</sup>, Justin DeNormandie<sup>1</sup>, Debby Nongo<sup>3</sup>, Ian Tweedie<sup>1</sup>, Mwikali Kioko<sup>2</sup>, Shehu Labaran<sup>4</sup>, Suruchi Sood<sup>2</sup>, Rupert Eneogu<sup>3</sup>

<sup>1</sup>*John Hopkins University Center for Communication Programs, Abuja, Nigeria*, <sup>2</sup>*John Hopkins University Center for Communication Programs, Baltimore, MD, United States*, <sup>3</sup>*United States Agency for International Development, Abuja, Nigeria*, <sup>4</sup>*National Tuberculosis, Leprosy and Buruli Ulcer Control Programme, Abuja, Nigeria*

### LB-9147

#### **Preliminary Results: Impact of Processing Time, Storage Temperature, and Collection Tubes on the Measurement of Cell-free DNA of Mycobacterium tuberculosis in Blood**

**Crystal Zheng**, Roberta Adams, Adam Bao, Syamsudin Slamet, Yelim Kim, Priyanka Jadhav, Chris Brown, Amy Wolfe, Margarita Silio, Juzar Ali, Bo Ning, Tony Hu, Richard Oberhelman  
*Tulane University, New Orleans, LA, United States*

### LB-9148

#### **Highlighting underrepresentation in research for not located population to participate in TB research studies**

**Luz Quevedo Cruz**<sup>1</sup>, Rosario Montoya<sup>1</sup>, Adelina Lozano<sup>1</sup>, Maria Haro<sup>1</sup>, Eric Ramos<sup>1</sup>, Keren Alvarado<sup>1</sup>, Maribel Rivero<sup>1</sup>, Carlton Evans<sup>2</sup>, Sumona Datta<sup>1</sup>  
<sup>1</sup>*Asociación Benéfica PRISMA, Lima, Peru*, <sup>2</sup>*Imperial Colleague London, Lima, Peru*

### LB-9149

#### **Knowledge, Attitudes, and Practices (KAP) regarding the Respiratory Syncytial Virus (RSV) vaccine among participants 60 years or older from the Sentinel Enhanced Dengue Surveillance System during the 2021-2024 period.**

**Jeannie Marie Aguirre-Hernandez**, Veronica M. Frasqueri-Quintana, Rachel M. Rodriguez-Santiago, Alana Y. Alejandro-Vargas, Vanessa Rivera-Amill  
*Ponce Health Science University, Ponce, PR, United States*

### LB-9150

#### **Predictors of Escherichia coli contamination of household drinking water in Sindh, Pakistan**

**Muhammad Bilal Shakir**, Fabiola Aparicio-Ting, John McLennan  
*University of Calgary, Calgary, AB, Canada*

### LB-9151

#### **Status of Enteric Pathogen Contamination in Weaning Food Samples from Urban Slum in Bangladesh**

**Rehnuma Haque**<sup>1</sup>, Syeda Nurun Nahar<sup>1</sup>, Mahbubur Rahman<sup>1</sup>, Peter J. Winch<sup>2</sup>, Henrik Salje<sup>3</sup>, Mohammed Ziaur Rahman<sup>1</sup>, Robert Dreifelbis<sup>4</sup>  
<sup>1</sup>*icddr, Dhaka, Bangladesh*, <sup>2</sup>*Department of International health, John Hopkins University, USA, Maryland, MD, United States*, <sup>3</sup>*Infectious Diseases Modelling Unit, Cambridge University, UK, Cambridge, United Kingdom*, <sup>4</sup>*Department of Disease Control, Faculty of Infectious and Tropical Diseases, LSHTM, UK, London, United Kingdom*



**Poster Session A Presentations**

Thursday, November 14, Noon - 1:45 pm  
Convention Center – Hall I-1 (1<sup>st</sup> Floor)

**LB-9152**

**A Systematic Review of Aircraft Disinsection Safety, Toxicity and Tolerability**

**Michael Klowak**, Gregory Hawley, Syed Zain Ahmad, Candice Madakadze, Aquilla Reid-John, Jahmar Hewitt, Asal Adawi, Andrea K. Boggild  
*Tropical Disease Unit, Toronto General Hospital and University of Toronto, Toronto, ON, Canada*

**LB-9153**

**Bifidobacterium is decreased in the fecal microbiome of Bangladeshi children with small intestine bacterial overgrowth in the setting of environmental enteric dysfunction**

G. Brett Moreau<sup>1</sup>, Masud Alam<sup>2</sup>, Tahsin Ferdous<sup>3</sup>, Talat Shama<sup>3</sup>, Mamun Kabir<sup>3</sup>, Abu S.G. Faruque<sup>3</sup>, Rashidul Haque<sup>3</sup>, William A. Petri<sup>1</sup>, **Jeffrey R. Donowitz**<sup>1</sup>  
<sup>1</sup>University of Virginia, Charlottesville, VA, United States, <sup>2</sup>University of Vermont, Burlington, VT, United States, <sup>3</sup>International Centre for Diarrhoeal Disease Research, Bangladesh, Dhaka, Bangladesh

**LB-9154**

**Poison Apple Ingestion: A Case Report and Mini-Review of Manchineel Fruit Toxicity**

**Amanda Hempel**, Rahel Zewude, Michael Klowak, Tahyreem Shahid, Andrea K. Boggild  
*Tropical Disease Unit, Toronto General Hospital and University of Toronto, Toronto, ON, Canada*

**LB-9155**

**What's New in Heat-related Illnesses of Travel: Appraisal and Summary of the Updated Guidelines from the Wilderness Medical Society**

**Arghavan Omid**<sup>1</sup>, Farah Jazuli<sup>2</sup>, Milca Meconen<sup>1</sup>, Dylan Kain<sup>1</sup>, Mark Polemidiotis<sup>1</sup>, Gregory Hawley<sup>1</sup>, Olamide Egbewumi<sup>1</sup>, Nam Do<sup>1</sup>, Andrea K. Boggild<sup>1</sup>  
<sup>1</sup>Tropical Disease Unit, Toronto General Hospital and University of Toronto, Toronto, ON, Canada, <sup>2</sup>McMaster University, Hamilton, ON, Canada

**LB-9156**

**What's New in Environmental Illnesses of Travel: Appraisal and Summary of the Updated Guidelines from the Wilderness Medical Society**

**Arghavan Omid**<sup>1</sup>, Milca Meconen<sup>1</sup>, Farah Jazuli<sup>2</sup>, Dylan Kain<sup>1</sup>, Mark Polemidiotis<sup>1</sup>, Gregory Hawley<sup>1</sup>, Olamide Egbewumi<sup>1</sup>, Nam Do<sup>1</sup>, Andrea K. Boggild<sup>1</sup>  
<sup>1</sup>Tropical Disease Unit, Toronto General Hospital and University of Toronto, Toronto, ON, Canada, <sup>2</sup>McMaster University, Hamilton, ON, Canada

## Poster Session 75

### Poster Session B Presentations

Friday, November 15, Noon - 1:45 pm

Convention Center – Hall I-1 (1<sup>st</sup> Floor)

#### Late-Breakers in Basic Sciences

Basic Sciences - Arthropods/Entomology .....	#LB-9164 through LB-9176
Basic Sciences – Cestodes .....	#LB-9177
Basic Sciences – Malaria .....	#LB-9178 through LB-9202
Basic Sciences - One Health: The Interconnection between People, Animals, Plants and Their Shared Environment .....	#LB-9203 Through LB-9210
Basic Sciences –Pneumonia, Respiratory Infections and Tuberculosis .....	#LB-9211
Basic Sciences - Water, Sanitation, Hygiene and Environmental Health.....	#LB-9212 through LB -9214

#### Late-Breakers in Clinical and Applied Sciences

Clinical and Applied Sciences - Bacteriology and Diarrhea.....	#LB-9215 through LB-9223
Clinical and Applied Sciences – Global Health.....	#LB-9224 through LB-9238
Clinical and Applied Sciences - Helminths - Nematodes .....	#LB-9239 through LB-9248
Clinical and Applied Sciences - Kinetoplastida and Other Protozoa.....	#LB-9249 through LB-9256
Clinical and Applied Sciences - Malaria .....	#LB-9257 through LB-9294
Clinical and Applied Sciences - Measures for Control and Elimination of Neglected Tropical Diseases (NTDs) .....	#LB-9295 through LB-9306
Clinical and Applied Sciences - Viruses (all other viruses) .....	#LB-9307 through LB-9320
Clinical and Applied Sciences - Coronavirus .....	#LB-9321 through LB-9326

#### LB-9164

##### Evaluating Insecticide Susceptibility and Synergist Impact in Malaria Vectors: A Comprehensive Study Across Four Classes in the Forest Transitional Belt of Ghana

**Dorcas Atibilla**<sup>1</sup>, Silas Wintuma Avicor<sup>2</sup>, Kwaku Poku Asante<sup>1</sup>, Claudia Riegel<sup>3</sup>, David Kwame Dosoo<sup>1</sup>, Janet McAllister<sup>3</sup>, Samuel Kweku Dadzie<sup>4</sup>, Michael David Wilson<sup>4</sup>

<sup>1</sup>Kintampo Health Research Centre, Kintampo-Ghana, Ghana, <sup>2</sup>Entomology Division, Cocoa Research Institute, New Tafo-Akim, Ghana, Ghana, <sup>3</sup>City of New Orleans Mosquito, Termite and Rodent Control Board, NEW ORLEANS, LA, United States, <sup>4</sup>Noguchi Memorial Institute for Medical Research (NMIMR), Accra-Ghana, Ghana

#### LB-9165

##### Understanding Antibiotic Effects on Microbial Growth in *Anopheles stephensi* Mosquitoes; Correlating Optical Density Measurements with qPCR Analysis

**Tanvi Qadri**, Vanessa Macias  
University of North Texas, Denton, TX, United States

#### LB-9166

##### Vector competence of New Orleans mosquitoes for Mayaro virus (MAYV)

**Brendan H. Carter**, Dawn M. Wesson  
Tulane University School of Public Health & Tropical Medicine, New Orleans, LA, United States

#### LB-9167

##### Optimization of an *Aedes aegypti* infection model for evaluating antiviral drugs against dengue virus infection

**Gissella M. Vasquez**<sup>1</sup>, Carmen Flores-Mendoza<sup>1</sup>, Liz Espada<sup>2</sup>, Karin Escobedo-Vargas<sup>1</sup>, Beyquer Zambrano<sup>2</sup>, Victor Zorrilla<sup>1</sup>, Marisa Lozano<sup>2</sup>, Vidal Felices<sup>1</sup>, Carolina Guevara<sup>1</sup>, Jose L. Ramirez<sup>3</sup>  
<sup>1</sup>U.S. Naval Medical Research Unit SOUTH, Bellavista, Peru, <sup>2</sup>Vysnova Partners Inc., Alexandria, VA, United States, <sup>3</sup>United States Department of Agriculture-Agricultural Research Service-Crop Bioprotection Research, Peoria, IL, United States

**Poster Session B Presentations**

Friday, November 15, Noon - 1:45 pm

Convention Center – Hall I-1 (1<sup>st</sup> Floor)

**LB-9168**

**The role of scavenger receptor protein class B type 1 (SR-B1) in mediating dengue virus infection of *Aedes aegypti***

**Godfrey Nattoh**, Duncan Cozens, Philip Armstrong, Doug Brackney  
Department of Entomology, The Connecticut Agricultural Experimental Station, New Haven, CT, USA, New Haven, CT, United States

**LB-9169**

***Ixodes* species as secondary vectors for *Rickettsiae* and *Ehrlichia*: A phylogenetic and metagenome analysis of *Rickettsiales* detected in questing South Carolina, USA ticks**

**Madeleine M. Meyer**, Lídia Gual-Gonzalez, Kayla Bramlett, Harrison Knapp, Emily Owens Pickle, Kia Zellars, Kyndall Dye-Braumuller, Melissa S. Nolan  
University of South Carolina Arnold School of Public Health, Columbia, SC, United States

**LB-9170**

**Contact chemosensory receptors and male mating biology in the dengue vector, *Aedes aegypti***

**Jake W. Angelico**, Sylvie Pitcher, Claudia A.S. Wyer, I. Alexandra Amaro, Laura C. Harrington  
Cornell University, Ithaca, NY, United States

**LB-9171**

**Insecticide resistance status of *Aedes aegypti* and *Aedes albopictus* in an area with chikungunya and dengue circulation**

**Fabien Vulu**<sup>1</sup>, Kyoko Futami<sup>2</sup>, Toshihiko Sunahara<sup>2</sup>, Thierry L. Bobanga<sup>1</sup>, Dieudonne Mumba Ngoyi<sup>1</sup>, Hitoshi Kawada<sup>2</sup>, Noboru Minakawa<sup>2</sup>  
<sup>1</sup>University of Kinshasa, Kinshasa, Congo, Democratic Republic of the, <sup>2</sup>Nagasaki University, Nagasaki, Japan

**LB-9172**

***Dirofilaria immitis* presence in *Aedes albopictus* and *Aedes aegypti* across neighborhoods in New Orleans, Louisiana**

**Heather Penton**<sup>1</sup>, Gabriel Elias<sup>2</sup>, Angela Smith<sup>2</sup>, Brendan Carter<sup>2</sup>, Samuel Jameson<sup>2</sup>, Dawn Wesson<sup>2</sup>, Sarah Michaels<sup>2</sup>  
<sup>1</sup>Association of Public Health Laboratories, Bethesda,

MD, United States, <sup>2</sup>Tulane University School of Public Health and Tropical Medicine, New Orleans, LA, United States

**LB-9173**

**Functional Analysis of the Mayaro Virus 6K Protein in *Aedes aegypti* Mosquitoes**

**Zeinab Elmasri**, Jaime Manzano-Alvarez, Jovana Bozic, Jason Laurence Rasgon  
The Pennsylvania State University, University Park, PA, United States

**LB-9174**

**Mowing as a strategy to manage nymphal blacklegged ticks**

**Sandra M. Zapata-Ramirez**, Victoria L. Hornbostel, Neeta P. Connally  
Western Connecticut State University, Danbury, CT, United States

**LB-9175**

**Exploring the Genetic Basis of West Nile Virus Susceptibility in *Culex tarsalis*: From Heritability to Gene Function**

**Hieu Tran Nguyen Minh**, Gerard Terradas, Mario Novelo, Jaime Manzano-Alvarez, Jovana Bozic, Jason L. Rasgon  
Penn State University, University Park, PA, United States

**LB-9176**

**Blood host preferences and competitive inter-species dynamics within an African malaria vector species complex inferred from signs of animal activity around aquatic larval habitats**

**Gerry Francis Killeen**<sup>1</sup>, Katrina Walsh<sup>1</sup>, Deogratius R. Kavishe<sup>2</sup>, Lily M. Duggan<sup>1</sup>, Lucia J. Tarimo<sup>3</sup>, Elisa Manase<sup>4</sup>, Markus Eichhorn<sup>1</sup>, Nicodem Govella<sup>5</sup>, Emmanuel Kaindoa<sup>2</sup>, Fidelma Butler<sup>1</sup>  
<sup>1</sup>University College Cork, Cork, Ireland, <sup>2</sup>Ifakara Health Institute, Ifakara, Tanzania, United Republic of, <sup>3</sup>Sokoine University of Agriculture, Morogoro, Tanzania, United Republic of, <sup>4</sup>Tanzania National Parks Authority, Dar es Salaam, Tanzania, United Republic of, <sup>5</sup>Ifakara Health Institute, Dar es Salaam, Tanzania, United Republic of

**Poster Session B Presentations**

Friday, November 15, Noon - 1:45 pm

Convention Center – Hall I-1 (1<sup>st</sup> Floor)**LB-9177*****In vitro* evaluation of the effect of excretory secretory proteins from *Taenia solium* larval stage on axonal damage due to dysfunctional autophagy**Katty Sarai Oré Gálvez<sup>1</sup>, Nancy Chile Andrade<sup>1</sup>, Gino Castillo Vilca<sup>1</sup>, Michael Cristian Orejón Cahuaya<sup>1</sup>, José Octavio Zapata More<sup>1</sup>, Manuela Renee Verastegui Pimentel<sup>1</sup>, Robert H. Gilman<sup>2</sup><sup>1</sup>Peruvian University Cayetano Heredia, Lima, Peru, <sup>2</sup>Department of International Health, Johns Hopkins School of Public Health, Baltimore, MD, United States**LB-9178****Expanding Plasmodium falciparum whole-genome sequencing in the DRC to characterize demographic history and selection on drug-resistance alleles**Ronald F. Kyong shin<sup>1</sup>, Parul Johri<sup>1</sup>, Melchior M. Kashamuka<sup>2</sup>, Jason Hendry<sup>3</sup>, Antoinette Tshetu<sup>2</sup>, Karamoko Niare<sup>4</sup>, Jeffrey A. Bailey<sup>4</sup>, Joris Likwela<sup>5</sup>, Albert kalonji<sup>5</sup>, Dieudonné Mumba<sup>6</sup>, Jonathan Juliano<sup>1</sup>, Jonathan Parr<sup>1</sup><sup>1</sup>University of North Carolina at Chapel Hill, CHAPEL HILL, NC, United States, <sup>2</sup>Kinshasa School of Public Health, Kinshasa, Congo, Democratic Republic of the, <sup>3</sup>Max Plank Institute for Infection Biology, Berlin, Germany, <sup>4</sup>Brown University, Providence, RI, United States, <sup>5</sup>SANRU, Kinshasa, Congo, Democratic Republic of the, <sup>6</sup>Institut National de Recherche Biomedicale, Kinshasa, Congo, Democratic Republic of the**LB-9179****Microclimate Variation, Mosquito Distributions, and Urban Transmission of Dengue and Malaria in Two Indian Cities**Michael C. Wimberly<sup>1</sup>, Yusuf Jamal<sup>1</sup>, Eric Bump<sup>1</sup>, Rajendra Baharia<sup>2</sup>, Vikas Desai<sup>3</sup>, Vijay Kohli<sup>4</sup>, Ajeet Mohanti<sup>5</sup>, Mercedes Pascual<sup>6</sup>, Rajesh Sharma<sup>4</sup>, Sachin Sharma<sup>7</sup>, Keshav Vaishnav<sup>8</sup>, Courtney C. Murdock<sup>9</sup><sup>1</sup>University of Oklahoma, Norman, OK, United States, <sup>2</sup>Indian Council of Medical Research, National Institute of Malaria Research, Nadiad, India, <sup>3</sup>Urban Health and Climate Resilience Centre of Excellence, Vesu Urban Health Center, Surat, India, <sup>4</sup>Ahmedabad Municipal Corporation, Health Department, Ahmedabad, India, <sup>5</sup>Indian Council of Medical Research, National Institute of Malaria Research, Panaji, India, <sup>6</sup>New York University, New York, NY, United States, <sup>7</sup>Indian Council of Medical Research, National Institute of Malaria Research, New Delhi, India, <sup>8</sup>Surat Municipal Corporation, Vector-BorneDiseases Department, Surat, India, <sup>9</sup>Cornell University, Ithaca, NY, United States**LB-9180****Evaluation of the Sysmex XN-30™ Research Use Only Automated Hematology Analyzer for Malaria Detection in the Non-Human Primate Model**Derek Haumpy, Payton Kirtley, Druti Pandya, Maya Aleshnick, Brandon Wilder  
Oregon Health and Science University, Beaverton, OR, United States**LB-9181****Placental malaria exposure and immune tolerance in neonatal monocytes**Reem Azem<sup>1</sup>, Sebastien Dechavanne<sup>2</sup>, Abdul-Omar Malade<sup>2</sup>, Simon Giscard Akpi<sup>2</sup>, Achille Massougbodji<sup>3</sup>, Ludivine Doridot<sup>4</sup>, Katherine Dobbs<sup>5</sup>, Celia Dechavanne<sup>2</sup><sup>1</sup>University Hospitals Cleveland Medical Center/Rainbow Babies & Children's Hospital, Cleveland, OH, United States, <sup>2</sup>Université de Paris and Centre d'Etude et de Recherche sur les Pathologies Associées à la Grossesse et à l'Enfance, Cotonou, Bénin, Paris, France, <sup>3</sup>Institut de Recherche Clinique du Bénin, Cotonou, Benin, <sup>4</sup>Université Paris Cité, Paris, France, <sup>5</sup>Case Western Reserve University/Rainbow Babies & Children's Hospital, Cleveland, OH, United States**LB-9182****New 4-quinolone compounds display multi-stage antimalarial activity**Yasmin Annunciato<sup>1</sup>, Leandro Martinez<sup>2</sup>, Dhelio Batista<sup>3</sup>, Carolina Bioni Garcia<sup>2</sup>, Maisa Araujo<sup>4</sup>, Arlene Correa<sup>5</sup>, Gustavo Cassiano<sup>6</sup>, **Anna Caroline Aguiar<sup>1</sup>**  
<sup>1</sup>Federal Univesity of São Paulo, Sao Paulo, Brazil, <sup>2</sup>FIOCRUZ, Porto Velho, Brazil, <sup>3</sup>CEPEM, Porto Velho, Brazil, <sup>4</sup>Oswaldo Cruz Foudation, Porto Velho, Brazil, <sup>5</sup>Federal Univesity of São Carlos, Sao Carlos, Brazil, <sup>6</sup>Instituto de Higiene e Medicina Tropical, Lisboa, Portugal

## Poster Session B Presentations

Friday, November 15, Noon - 1:45 pm

Convention Center – Hall I-1 (1<sup>st</sup> Floor)

### LB-9183

**Targeting multiple stages of the malaria parasite with monoclonal antibodies can overcome the sub-sterilizing protection of anti-CSP and anti-RH5 antibodies alone.**

**Payton Kirtley**<sup>1</sup>, Thomas Martinson<sup>1</sup>, Maya Aleshnick<sup>1</sup>, Dimitra Pipini<sup>2</sup>, Doris Quinkert<sup>2</sup>, Cassandra A. Rigby<sup>2</sup>, Kirsty McHugh<sup>2</sup>, Francesca Donnellan<sup>2</sup>, Simon Draper<sup>2</sup>, Brandon Wilder<sup>1</sup>

<sup>1</sup>Oregon Health and Sciences University, Beaverton, OR, United States, <sup>2</sup>University of Oxford, Oxford, United Kingdom

### LB-9184

**CD16<sup>+</sup> natural killer cells in the liver associate with protection after Plasmodium knowlesi whole sporozoite vaccination of non-human primates**

**Julie Mitchell**, Gregory Boggy, Jack Schell, Rowland Osii, Payton Kirtley, Derek Haumpy, Jacqueline Mutai, Maya Aleshnick, Benjamin Bimber, Brandon Wilder  
Oregon Health & Science University, Beaverton, OR, United States

### LB-9185

**Why Has Artemisinin Resistance Not Emerged in Senegal?**

**Morgan C. Martin**<sup>1</sup>, Imran Ullah<sup>1</sup>, Sarah Volkman<sup>1</sup>, Daouda Ndiaye<sup>2</sup>, Dyann Wirth<sup>1</sup>

<sup>1</sup>Harvard T.H. Chan School of Public Health, Boston, MA, United States, <sup>2</sup>CIGASS, Cheikh Anta Diop University, Dakar, Senegal

### LB-9186

**P. falciparum resistance to alstonine is linked to inner mitochondrial membrane protein MPV17**

Jacinta Macdonald<sup>1</sup>, Megan Arnold<sup>1</sup>, Madeline Ruth Luth<sup>2</sup>, Ron Quinn<sup>1</sup>, Elizabeth Winzeler<sup>2</sup>, Marcus Lee<sup>3</sup>, Tina S. Skinner-Adams<sup>1</sup>, **Katherine T. Andrews**<sup>1</sup>, Gillian M. Fisher<sup>1</sup>

<sup>1</sup>Griffith University, Queensland, Australia, <sup>2</sup>University of California, San Diego, CA, United States, <sup>3</sup>University of Dundee, Scotland, United Kingdom

### LB-9187

**The Alevetx 3D scaffold facilitates mass production of *in vitro* Plasmodium falciparum sporozoites**

Kiara Hatzakis<sup>1</sup>, Zach MacMillen<sup>1</sup>, Payton Kirtley<sup>2</sup>, Maya Aleshnick<sup>2</sup>, Brandon Wilder<sup>2</sup>, JAMES W.

DAVIE<sup>3</sup>, **Marion AVRIL**<sup>1</sup>

<sup>1</sup>MalarVx, Inc, SEATTLE, WA, United States, <sup>2</sup>OHSU, Beaverton, OR, United States, <sup>3</sup>MalarVx, Inc, Seattle, WA, United States

### LB-9188

**Impact of *in utero* malaria exposure on susceptibility of *Aotus nancymaae* offspring to *Plasmodium falciparum* parasitemia during early years of life.**

**Faith Isdorah Onditi**

National Institute of Health (NIH), Bethesda, MD, United States

### LB-9189

**Entomological Surveys in Rural Tanzania Reveal Key Opportunities for Targeted Larval Source Management to Control Malaria in Areas Dominated by *Anopheles funestus***

**Betwel J. Msugupakulya**<sup>1</sup>, Nicolaus S. Mhumbira<sup>1</sup>, Dawson T. Mziray<sup>1</sup>, Masoud Kilalangongono<sup>1</sup>, Mohamed Jumanne<sup>1</sup>, Halfan S. Ngowo<sup>1</sup>, Najat F. Kahamba<sup>1</sup>, Alex J. Limwagu<sup>1</sup>, Meleji L.: L. Molle<sup>2</sup>, Prashanth Selvaraj<sup>3</sup>, Anne L. Wilson<sup>1</sup>, Fredros O. Okumu<sup>1</sup>

<sup>1</sup>Ifakara Health Institute, Morogoro, Tanzania, United Republic of, <sup>2</sup>Health Department, Ulanga District Council, P.O. Box 4, Ulanga., Morogoro, Tanzania, United Republic of, <sup>3</sup>Institute for Disease Modeling, Bill and Melinda Gates Foundation, Seattle, WA, United States

### LB-9190

**Digital PCR reveals high PvDBP1 copies in majority Duffy-negative Plasmodium vivax infected Individuals from Central Africa**

**Bernis Neneyoh Yengo**<sup>1</sup>, Victoria Ruszin<sup>1</sup>, Cambel

Cheikh Dieng<sup>1</sup>, Canelle Longo Kipayko<sup>1</sup>, Nontokoza Mdluli<sup>1</sup>, Irene Sumbele<sup>2</sup>, Helen Kimbi<sup>3</sup>, Eugenia Lo<sup>1</sup>

<sup>1</sup>Drexel University, Philadelphia, PA, United States, <sup>2</sup>University of Buea, Buea, Cameroon, <sup>3</sup>University of Bamenda, Bamenda, Cameroon

### LB-9191

**Identification of a novel P. falciparum protein regulating gametocyte microtubule density and shape**

**Ayla Taylor-Robichaud**, Aidan Biondi

Brown University, Providence, RI, United States

## Poster Session B Presentations

Friday, November 15, Noon - 1:45 pm  
Convention Center – Hall I-1 (1<sup>st</sup> Floor)

### LB-9192

#### **A Self-cooling Self-humidifying Mosquito Carrier Backpack for Transporting Live Adult Mosquitoes on Foot Over Long Distances Under Challenging Field Conditions**

**Deogratius Roman Kavishe**<sup>1</sup>, Rogath Venance Msoffe<sup>1</sup>, Goodluck Zakaria Malika<sup>2</sup>, Katrina Anne Walsh<sup>3</sup>, Lily May Duggan<sup>3</sup>, Lucia John Tarimo<sup>2</sup>, Fidelma Butler<sup>3</sup>, Emmanuel Wilson Kaindoa<sup>1</sup>, Halfan Said Ngowo<sup>1</sup>, Gerry Francis Killeen<sup>3</sup>

<sup>1</sup>Ifakara Health Institute, Morogoro, Tanzania, United Republic of, <sup>2</sup>Sokoine University of Agriculture, Morogoro, Tanzania, United Republic of, <sup>3</sup>University College Cork, Cork, Ireland

### LB-9193

#### **VHH-IgG mAbs targeting PfGBP130 inhibit Plasmodium falciparum growth in vitro**

Donald L. Siegel<sup>1</sup>, Tanbir Najrana<sup>2</sup>, Rose Guilfoyle<sup>2</sup>, Sunthorn Pond-Tor<sup>2</sup>, **Jonathan D. Kurtis**<sup>2</sup>  
<sup>1</sup>University of Pennsylvania, Philadelphia, PA, United States, <sup>2</sup>Brown University, Providence, RI, United States

### LB-9194

#### **Deciphering antimalaria drugs' modes of action by Protein Thermal Profiling (PTP).**

**Zbynek Bozdech**, Kadiam Go, Samuel Pazicky, Jianqing Lin, Julien Lescar, Donald Tay, Jonathan Ong, Peter Preiser  
Nanyang Technological University, Singapore, Singapore

### LB-9195

#### **Novel single-cell preservation and RNA sequencing technology unlocks field studies for Plasmodium natural infections**

**Erin Sauve**<sup>1</sup>, Pieter Monsieurs<sup>1</sup>, Pieter Guetens<sup>1</sup>, Roberto Rudge de Moraes Barros<sup>2</sup>, Anna Rosanas-Urgell<sup>1</sup>  
<sup>1</sup>Institute of Tropical Medicine Antwerp, Antwerp, Belgium, <sup>2</sup>Escola Paulista de Medicina, Universidade Federal de São Paulo, São Paulo, Brazil

### LB-9196

#### **Genetic diversity of Plasmodium falciparum (Pf) field isolates for the development of novel controlled human malaria infection (CHMI) challenge strains**

Charvita Nemarugommula, Elgin Akin, J. Kathleen Moch, Mariah Desroches, Paul M. Robben, **Alexander Pichugin**  
Walter Reed Army Institute of Research, Silver Spring, MD, United States

### LB-9197

#### **Characterization of two genes essential for Plasmodium bergheifertilization**

Marisé S. Ramos, Miriam H. Borges, Leticia G. Morosini, Janaina T. Novais, Juliana Calit, **Daniel Y. Bargieri**  
University of Sao Paulo, Sao Paulo, Brazil

### LB-9198

#### **Malaria transmission and construction of hydroelectric plants in Brazil**

**Izis Monica Sucupira**<sup>1</sup>, Rebecca Chucre de Sousa<sup>2</sup>, Roberto Leandro da Silva<sup>3</sup>, Gecilda Aparecida de Lima<sup>4</sup>, Marcia Martins dos Santos<sup>1</sup>, Marinete Marins Póvoa<sup>1</sup>  
<sup>1</sup>Instituto Evandro Chagas, Ananindeua, Brazil, <sup>2</sup>Universidade Federal do Pará, Belem, Brazil, <sup>3</sup>Norte Energia S.A., Brasília, Brazil, <sup>4</sup>Prefeitura Municipal de Uruará, Uruará, Brazil

### LB-9199

#### **Understanding the Global Spread of Artemisinin Resistance: Insights from over 100k P. falciparum Samples**

**Cristina V. Ariani**, Andrew Balmer, Nina White, Eyyub Unlu, Chiyun Lee, Richard Pearson, Jacob Almagro-Garcia  
Wellcome Sanger Institute, Hinxton, United Kingdom

### LB-9200

#### **Assessing Estimating the Opportunity Cost of Seasonal Malaria Chemoprevention implementation in Burkina Faso, Mali, and Senegal.**

**Richmond Owusu**<sup>1</sup>, Colin Gilmartin<sup>2</sup>, Halimatou Diawara<sup>3</sup>, Fadima Yaya Boccoum<sup>4</sup>, Oumy Ndiaye<sup>5</sup>, Anika Ruisch<sup>2</sup>, Justice Nonvignon<sup>1</sup>  
<sup>1</sup>University of Ghana, Accra, Ghana, <sup>2</sup>Management Sciences for Health, Medford, MA, United States, <sup>3</sup>University of Sciences Techniques and Technologies of Bamako - Malaria Research & Training Center, Bamako, Mali, <sup>4</sup>National Center for Scientific and Technological Research, Ouagadougou, Burkina Faso, <sup>5</sup>Faculty of Economics and Management, Cheikh Anta Diop University of Dakar, Dakar, Senegal

**Poster Session B Presentations**

Friday, November 15, Noon - 1:45 pm  
Convention Center – Hall I-1 (1<sup>st</sup> Floor)

**LB-9201****Understanding Plasmodium falciparum Infection Dynamics: a Longitudinal Cohort Study in Western Kenya**

**Jebrail Dempsey**<sup>1</sup>, Brook Jeang<sup>2</sup>, Lauren Bradley<sup>2</sup>, Ming-Chieh Lee<sup>2</sup>, Guofa Zhou<sup>2</sup>, Daibin Zhong<sup>2</sup>, Chloe Wang<sup>2</sup>, Faith Ebhodaghe<sup>1</sup>, Arlene Dent<sup>3</sup>, James Kazura<sup>3</sup>, Guiyun Yan<sup>2</sup>, Harrysone Atieli<sup>4</sup>, Elizabeth Hemming-Schroeder<sup>1</sup>

<sup>1</sup>Colorado State University, Fort Collins, CO, United States, <sup>2</sup>University of California, Irvine, Irvine, CA, United States, <sup>3</sup>Case Western University, Cleveland, OH, United States, <sup>4</sup>Sub-Sahara International Center of Excellence for Malaria Research, Homa Bay, Kenya

**LB-9202****Genetic analysis and drug resistance profile of Plasmodium falciparum in samples from the Rio Santiago District, Peru**

**Milagros Saavedra-Samillán**<sup>1</sup>, Paulo Manrique<sup>2</sup>, Hugo O. Valdivia<sup>3</sup>, Danielle Pannebaker<sup>3</sup>, Daniel E. Neafsey<sup>2</sup>, Stella M. Chenet<sup>1</sup>

<sup>1</sup>Instituto de Investigación de Enfermedades Tropicales (IET), Universidad Nacional Toribio Rodríguez de Mendoza de Amazonas (UNTRM), Chachapoyas, Peru, <sup>2</sup>Department of Immunology and Infectious Diseases Harvard T.H. Chan School of Public Health, Boston, MA, United States, <sup>3</sup>Department of Parasitology, U.S. Naval Medical Research Unit SOUTH (NAMRU SOUTH), Lima, Peru

**LB-9203****Laga Ecosystem, Species Entanglements and the Risk of Zoonotic Disease Transmission: A Multi Site, Multi-Method Ethnographic Study**

**Dalmas Ochieng Omia**<sup>1</sup>, Dismas Oketch<sup>2</sup>, Ruth Njoroge<sup>2</sup>, Isaac Ngere<sup>2</sup>, John Gachohi<sup>2</sup>, Samuel Waiguru<sup>2</sup>, Abdulai Galgalo Magarre<sup>2</sup>, Scott L. Nuismer<sup>3</sup>, Samoel Khamadi<sup>4</sup>, John Njeru<sup>5</sup>, Boku Bodha<sup>6</sup>, Nazaria Nyaga<sup>7</sup>, Humphrey Kariuki Njaanake<sup>1</sup>, Walter Jaoko<sup>1</sup>, Kariuki Njenga<sup>2</sup>, Eric Osoro<sup>1</sup>

<sup>1</sup>University of Nairobi, Kenya, Nairobi, Kenya, <sup>2</sup>Washington State University Global Health Program-Kenya, Nairobi, Kenya, <sup>3</sup>Laboratory for Ecological, Epidemiological, and Evolutionary Forecasting (LEEF), University of Idaho., Idaho, ID, United States, <sup>4</sup>Center for Virus Research, Kenya Medical Research Institute (KEMRI-CVR), Nairobi, Kenya, <sup>5</sup>Centre for Microbiology Research, Kenya Medical Research Institute., Nairobi, Kenya, <sup>6</sup>County Director of Veterinary Services, Marsabit County, Nairobi, Kenya, <sup>7</sup>County Director of Veterinary Services, Kajiado County, Nairobi, Kenya

**LB-9204****Cultural Context and Health-Seeking Behavior for Suspected Brucellosis Among Pastoralists in Kajiado County, Kenya**

**Tonny O. Ngage**<sup>1</sup>, Dalmás O. Omia<sup>1</sup>, Geoffrey O. Muga<sup>1</sup>, Dismas Oketch<sup>2</sup>, Ruth Njoroge<sup>2</sup>, Isaac Ngere<sup>2</sup>, John Gachohi<sup>2</sup>, Samuel Waiguru<sup>2</sup>, Abdulai G. Magarre<sup>2</sup>, Samoel Khamadi<sup>2</sup>, Scott L. Nuismer<sup>3</sup>, John Njeru<sup>4</sup>, Boku Bodha<sup>5</sup>, Nazaria Nyaga<sup>6</sup>, Humphrey Njaanake<sup>1</sup>, Walter Jaoko<sup>1</sup>, Kariuki Njenga<sup>2</sup>, Eric Osoro<sup>2</sup>

<sup>1</sup>University of Nairobi, Nairobi, Kenya, <sup>2</sup>Washington State University Global Health Program-Kenya, Nairobi, Kenya, <sup>3</sup>Laboratory for Ecological, Epidemiological, and Evolutionary Forecasting (LEEF), University of Idaho, Idaho, ID, United States, <sup>4</sup>Centre for Microbiology Research, Kenya Medical Research Institute., Nairobi, Kenya, <sup>5</sup>County Director of Veterinary Services, Marsabit County, Marsabit, Kenya, <sup>6</sup>County Director of Veterinary Services, Kajiado County, Kajiado, Kenya

**LB-9205****Mitochondrially targeted antioxidants as anti-parasite drugs**

**Michael A. Kron**<sup>1</sup>, Gang Cheng<sup>1</sup>, Micael Hardy<sup>2</sup>, Balaraman Kalyanaraman<sup>1</sup>

<sup>1</sup>Medical College of Wisconsin, Milwaukee, WI, United States, <sup>2</sup>Aix-Marseille University CNRS, ICR, UMR, Marseille, France

**LB-9206****Wildlife Ticks and Risks to Human Health: Exploring the Connection in Ghana**

**Caleb Kobina Danso-Coffie**<sup>1</sup>, Emmanuel Boafo<sup>1</sup>, Elinam A. Agbobli<sup>1</sup>, Joanita A. Yeboah<sup>1</sup>, Winnifred Offih-Kyei<sup>1</sup>, Talent A. Senanu<sup>1</sup>, Rhoda Yeboah<sup>1</sup>, Langbong Bimi<sup>2</sup>, Ben Gyan<sup>1</sup>, Daniel Oduro<sup>2</sup>

<sup>1</sup>Noguchi Memorial Institute for Medical Research, Legon-Accra, Ghana, <sup>2</sup>Department of Animal Biology and Conservation Science, University of Ghana, Legon-Accra, Ghana

**LB-9207****Neglected parasitic zoonoses and the importance of adopting aOne-Health approach for soil-transmitted helminth and schistosomiasis control in Ghana**

**Yvonne A. Ashong**<sup>1</sup>, Emmanuel Kwakye Fianko<sup>2</sup>, Philomena Jackson<sup>1</sup>, Frank Twum Aboagye<sup>3</sup>, Irene Ayi<sup>1</sup>, Dziedzom K. de Souza<sup>1</sup>

<sup>1</sup>Parasitology Department, Noguchi Memorial Institute for Medical Research, Accra, Ghana, <sup>2</sup>Animal Experimentation, Noguchi Memorial Institute for Medical Research, Accra, Ghana, <sup>3</sup>Biomedical and Public Health Research Unit, Water Research Institute, Council for Scientific and Industrial Research, Accra, Ghana

## Poster Session B Presentations

Friday, November 15, Noon - 1:45 pm

Convention Center – Hall I-1 (1<sup>st</sup> Floor)

### LB-9208

#### Gender equity and inclusivity in research mentorship in LMICs: Findings from a global crowdsourcing open call and scoping review

Eneyi E. Kpokiri<sup>1</sup>, Delaney Santre<sup>2</sup>, Annabel Steiner<sup>3</sup>, Kamryn Mcdonald<sup>4</sup>, Mariam Otmani Del-Barrio<sup>5</sup>, Michael Mihut<sup>5</sup>, Joseph D. Tucker<sup>1</sup>  
<sup>1</sup>London School of Hygiene and Tropical Medicine, London, United Kingdom, <sup>2</sup>University of North Carolina, Chapel Hill, NC, United States, <sup>3</sup>University of North Carolina, Chapel Hill, United Kingdom, <sup>4</sup>University of North Carolina, Chapel Hill, NC, United States, <sup>5</sup>World Health Organisation, Geneva, Switzerland

### LB-9209

#### Investigating Social Media Engagement Patterns Associated with Wildlife Handling

Andrew D. Haddow, Ta'Nyia Heard, Abby Allen, Dianna Lopez  
Kennesaw State University, Kennesaw, GA, United States

### LB-9210

#### Enhancing Nipah Virus Detection: A Novel Post-Mortem Surveillance Approach in Bangladesh

Wasik Rahman Aquib<sup>1</sup>, Dewan Imtiaz Rahman<sup>1</sup>, Fawzia Akhtar Jahan<sup>2</sup>, Nabila Nujhat Choudhury<sup>2</sup>, Sunonda Basu<sup>2</sup>, Fateha Akther Ema<sup>1</sup>, Smita Sarker<sup>1</sup>, Md. Nazmul Sakib<sup>1</sup>, Pronesh Datta<sup>2</sup>, Ariful Islam<sup>1</sup>, Shah Jawad Bin Mahmood<sup>1</sup>, Ayesha Siddika<sup>1</sup>, M. Mahfuzur Rahman<sup>1</sup>, Mintu Chowdhury<sup>2</sup>, Mohammad Sazzad<sup>2</sup>, Tonmoy Sarkar<sup>1</sup>, Kamal Ibne Amin Chowdhury<sup>1</sup>, Mohammad Enayet Hossain<sup>1</sup>, Sharmin Sultana<sup>2</sup>, Ahmed Nawsher Alam<sup>2</sup>, Mahburur Rahman<sup>2</sup>, Ariful Islam<sup>3</sup>, Christina Spiropoulou<sup>4</sup>, Mohammed Ziaur Rahman<sup>1</sup>, Sayera Banu<sup>1</sup>, Jonathan H. Epstein<sup>3</sup>, Joel M. Montgomery<sup>4</sup>, Tahmina Shirin<sup>2</sup>, Syed Moinuddin Satter<sup>1</sup>  
<sup>1</sup>icddr, Dhaka, Bangladesh, <sup>2</sup>Institute of Epidemiology, Diseases Control and Research (IEDCR), Dhaka, Bangladesh, <sup>3</sup>EcoHealth Alliance, Dhaka, Bangladesh, <sup>4</sup>Viral Special Pathogens Branch, Division of High Consequence Pathogens and Pathology, Centers for Disease Control and Prevention (CDC), Atlanta, GA, United States

### LB-9211

#### Pneumonia-related Causes of Deaths Pre-, During-, and Post-COVID-19 Periods in Bangladesh - Findings from Rural and Urban Household Surveys

Ahmed Ehsanur Rahman, Aniq Tasnim Hossain, Ema Akter, Bibek Ahamed, Anindita Saha, Abu Bakkar Siddique, Anisuddin Ahmed, Shams El Arifeen  
International Centre for Diarrhoeal Disease Research, Bangladesh, Dhaka, Bangladesh

### LB-9212

#### Response to climate-sensitive health threats by newly established national public health institutes: A review of the response to widespread flooding in Kenya, 2024

Fredrick O. Odhiambo<sup>1</sup>, Elizabeth Nzioka<sup>2</sup>, Wyckliff Omondi<sup>3</sup>, Hilary Limo<sup>2</sup>, Kamene Kimenye<sup>1</sup>  
<sup>1</sup>National Public Health Institute, Nairobi, Kenya, <sup>2</sup>Public Health Emergency Operations Center, Ministry of Health, Nairobi, Kenya, <sup>3</sup>Vector-Borne and Neglected Tropical Diseases Unit, Ministry of Health, Nairobi, Kenya

### LB-9213

#### Filtration and nanopore metagenomic sequencing workflow for comprehensive pathogen surveillance in diverse water sources

Hsiao-Mei Liao<sup>1</sup>, Edward R. Traczyk<sup>2</sup>, Jessica Celano<sup>3</sup>, Andrew Li<sup>3</sup>, Theron Hamilton<sup>3</sup>, Jessy Motes<sup>3</sup>, Jason Blanton<sup>3</sup>, Roger Pan<sup>4</sup>, Mathew D. Esona<sup>5</sup>, John P. Grieco<sup>6</sup>, Nicole L. Achee<sup>7</sup>, Le Jiang<sup>1</sup>  
<sup>1</sup>Navy Medical Research Command, Silver Spring, MD, United States, <sup>2</sup>2d Medical Battalion, Camp Lejeune, NC, United States, <sup>3</sup>Navy Entomology Center of Excellence, Jacksonville, FL, United States, <sup>4</sup>Naval Health Research Center, San Diego, CA, United States, <sup>5</sup>Naval Health Research Center, San Diego, CA, United States, <sup>6</sup>University of Notre Dame, Notre Dame, IN, United States, <sup>7</sup>University of Notre Dame, Notre Dame, IN, United States

### LB-9214

#### Host Microbiome Determinants of Ready To Use Supplemental food efficacy in Acute Childhood Malnutrition

Zehra Jamil  
Aga Khan University, Karachi, Pakistan

### LB-9215

#### Pre-travel stand-by self-treatment antibiotics and the association with extended spectrum beta lactamase urinary tract infections

Apryl Susi<sup>1</sup>, Heather Hoffman<sup>1</sup>, Scott Quinlan<sup>1</sup>, Jeanne Jordan<sup>1</sup>, Patrick Hickey<sup>2</sup>  
<sup>1</sup>The George Washington University, Washington, DC, United States, <sup>2</sup>Uniformed Services University, Bethesda, MD, United States



## Poster Session B Presentations

Friday, November 15, Noon - 1:45 pm

Convention Center – Hall I-1 (1<sup>st</sup> Floor)

### LB-9216

#### **Staph, Look and Lessen: A Case of Staphylococcal Scalded Skin Syndrome in a 55-year-old female**

**Kathleen Anzhelika B. Nemenzo**, Gilian Therese N. Caidic, Ralph N. Aniceto  
*Divine Word Hospital, Tacloban City, Philippines*

### LB-9217

#### **Lucio Phenomenon: A case of a 28-year-old male with Leprosy Presenting as Vasculitis Syndrome**

**Erl Justin Entrolizo Yu**, Dickson A. Laude, Ralph N. Aniceto, Friend Philemon M. Liwanag  
*Divine Word Hospital, Tacloban, Philippines*

### LB-9218

#### **Metagenomics driven discovery of pathogens causing healthcare associated infections in the neonatology clinic in Senegal**

Awa Fall<sup>1</sup>, Ndeye Mareme Diouf<sup>2</sup>, Louise Fortes<sup>1</sup>, Abou Ba<sup>1</sup>, Awa Ba Diallo<sup>1</sup>, **Aida Sadikh Badiane**<sup>1</sup>  
<sup>1</sup>*Université Cheikh Anta Diop, Dakar, Senegal*, <sup>2</sup>*Hopital Dalal Jamm, Dakar, Senegal*

### LB-9219

#### **Pervasive Intestinal Carriage with Multiple Strains of Multidrug-resistant Enterobacteriales in Children Admitted for Severe Acute Malnutrition at a Tertiary Hospital in Lilongwe, Malawi**

**Thomas Holowka**<sup>1</sup>, Arrington Ashford<sup>2</sup>, Courtney Dial<sup>1</sup>, Mwawi Nyirongo<sup>3</sup>, Alexander Kondwani<sup>3</sup>, Tiwonge Kamvaunamwali<sup>4</sup>, Doris Ng'oma<sup>4</sup>, Jonathan Kaphatika<sup>4</sup>, Amazing-Grace Tepeka<sup>4</sup>, Mercy Kumweda<sup>3</sup>, Jonathan J. Juliano<sup>1</sup>, Anthony J. Garcia-Prats<sup>5</sup>, Tisungane Mvalo<sup>4</sup>, Kevin Alby<sup>1</sup>, Bryan Vonasek<sup>5</sup>, Emily Ciccone<sup>1</sup>, Luther A. Bartelt<sup>1</sup>  
<sup>1</sup>*University of North Carolina School of Medicine, Chapel Hill, NC, United States*, <sup>2</sup>*North Carolina Agricultural and Technical State University, Greensboro, NC, United States*, <sup>3</sup>*Kamuzu Central Hospital, Lilongwe, Malawi*, <sup>4</sup>*University of North Carolina Project Malawi, Lilongwe, Malawi*, <sup>5</sup>*University of Wisconsin School of Medicine and Public Health, Madison, WI, United States*

### LB-9220

#### **Persistence of immune response at 4-5 years following a single dose typhoid conjugate vaccine (Vi-TCV) in Nepalese children**

**Shrijana Shrestha**<sup>1</sup>, Dikshya Pant<sup>1</sup>, Mila Shakya<sup>2</sup>, Suchita Shrestha<sup>2</sup>, Xinxue Lee<sup>3</sup>, Buddha Basnyat<sup>2</sup>, Andrew Pollard<sup>3</sup>  
<sup>1</sup>*Patan Academy of Health Sciences, Lalitpur, Nepal*, <sup>2</sup>*Oxford University Clinical Research Unit Nepal, Lalitpur, Nepal*, <sup>3</sup>*Oxford Vaccine Group, University of Oxford, Oxford, United Kingdom*

### LB-9221

#### **Antibody responses to cholera infection of varying disease severity**

**Megan ODriscoll**<sup>1</sup>, Taufiqur Rahman Bhuiyan<sup>2</sup>, Sonia Hegde<sup>3</sup>, Ashrafal Islam Khan<sup>2</sup>, Fahima Chowdhury<sup>2</sup>, Jason B. Harris<sup>4</sup>, Richelle C. Charles<sup>4</sup>, Edward T. Ryan<sup>4</sup>, Andrew Azman<sup>1</sup>, Firdausi Qadri<sup>2</sup>  
<sup>1</sup>*Hopitaux Universitaires de Geneve, Geneva, Switzerland*, <sup>2</sup>*icddr,b, Dhaka, Bangladesh*, <sup>3</sup>*Johns Hopkins School of Public Health, Baltimore, MD, United States*, <sup>4</sup>*Massachusetts General Hospital, Boston, MA, United States*

### LB-9222

#### **A Systematic Review Series of Lifestyle Interventions for Neuropathic Pain in Leprosy - Diet**

**Michael Klowak**, Rachel Lau, Mariyam Mohammed, Afia Birago, Bethel Samson, Layla Ahmed, Camille Renee, Milca Meconnen, Mahmud Sam, Andrea K. Boggild  
*Tropical Disease Unit, Toronto General Hospital and University of Toronto, Toronto, ON, Canada*

### LB-9223

#### **Influences on the Effectiveness of Community-Based Water, Sanitation and Hygiene (WASH) Interventions in Rural East Africa**

**Diane Rakotomalala**<sup>1</sup>, Jonathan Kajjimu<sup>2</sup>, Alison Hayward<sup>3</sup>  
<sup>1</sup>*Brown University, Providence, RI, United States*, <sup>2</sup>*Mbarara University of Science and Technology, Mbarara, Uganda*, <sup>3</sup>*Brown University School of Medicine, Providence, RI, United States*

**Poster Session B Presentations**

Friday, November 15, Noon - 1:45 pm

Convention Center – Hall I-1 (1<sup>st</sup> Floor)**LB-9224****Healthcare Provider Perspectives of Clinical Decision Support Tools for Pediatric Sepsis in Bangladesh**

**Alicia Genisca**<sup>1</sup>, Shamsun N. Shaima<sup>2</sup>, Md. Tanveer Faruk<sup>2</sup>, Md. Fakhar Uddin<sup>2</sup>, Elleen Kim<sup>1</sup>, Kikuyo Shaw<sup>3</sup>, Monique Gainey<sup>4</sup>, Nidhi Kadakia<sup>1</sup>, Nadia Sultana<sup>2</sup>, Akash Saha<sup>2</sup>, Farzana Afroze<sup>2</sup>, Md. Jobayer Chisti<sup>2</sup>, Adam C. Levine<sup>1</sup>, Stephanie Garbern<sup>1</sup>

<sup>1</sup>Warren Alpert Medical School of Brown University, Providence, RI, United States, <sup>2</sup>International Centre for Diarrheal Disease Research, Bangladesh (icddr), Dhaka, Bangladesh, <sup>3</sup>Brown University, Providence, RI, United States, <sup>4</sup>Virginia Tech Carilion School of Medicine, Roanoke, VA, United States

**LB-9225****Oxidative stress is associated with growth in children in rural Bangladesh: a prospective cohort study.**

**Andrew N. Mertens**<sup>1</sup>, Sophia Tan<sup>2</sup>, Zachary Butzin-Dozier<sup>1</sup>, Caitlin Hemlock<sup>3</sup>, Lisa Kim<sup>1</sup>, Md. Ziaur Rahman<sup>4</sup>, Dora Ilyasova<sup>5</sup>, Ivan Spasojevic<sup>5</sup>, Benjamin F. Arnold<sup>6</sup>, Christine P. Stewart<sup>7</sup>, Shahjahan Ali<sup>8</sup>, Liying Yan<sup>9</sup>, Ann Meyer<sup>9</sup>, Gabrielle Shuman<sup>1</sup>, Md Rabiul Karim<sup>8</sup>, Sunny Shahriar<sup>8</sup>, Alan Hubbard<sup>1</sup>, Abul K. Shoab<sup>8</sup>, Syeda L. Famida<sup>8</sup>, Salma Akther<sup>8</sup>, Md. Saheen Hossen<sup>8</sup>, Palash Mutsuddi<sup>8</sup>, Idan Shalev<sup>10</sup>, Mahbubur Rahman<sup>8</sup>, Leanne Unicomb<sup>8</sup>, Ruchira T. Naved<sup>8</sup>, Kausar Parvin<sup>8</sup>, Md. Mahfuz Al Mamun<sup>1</sup>, Patricia Kariger<sup>1</sup>, Lia H. Fernald<sup>1</sup>, Ella Corrigan<sup>4</sup>, Christopher D. Heaney<sup>11</sup>, John M. Colford Jr<sup>1</sup>, Stephen P. Luby<sup>2</sup>, Douglas A. Granger<sup>12</sup>, Audrie Lin<sup>4</sup>

<sup>1</sup>UC Berkeley, Berkeley, CA, United States, <sup>2</sup>Stanford, Palo Alto, CA, United States, <sup>3</sup>University of Washington, Seattle, WA, United States, <sup>4</sup>UC Santa Cruz, Santa Cruz, CA, United States, <sup>5</sup>Duke, Durham, NC, United States, <sup>6</sup>UC San Francisco, San Francisco, CA, United States, <sup>7</sup>UC Davis, Davis, CA, United States, <sup>8</sup>icddr, Dhaka, Bangladesh, <sup>9</sup>EpigenDx, Ashland, MA, United States, <sup>10</sup>Pennsylvania State University, University Park, PA, United States, <sup>11</sup>Johns Hopkins, Baltimore, MD, United States, <sup>12</sup>UC Irvine, Irvine, CA, United States

**LB-9226****Factors Influencing Satisfaction with Service Delivery Among National Health Insurance Scheme Enrollees in Ibadan Southwest Nigeria**

**David Ayobami Adewole**<sup>1</sup>, Steve Reid<sup>2</sup>, Tolu Oni<sup>3</sup>, Stephen Adebawale<sup>4</sup>

<sup>1</sup>Department of Health Policy and Management, Faculty of Public Health, College of Medicine, University of Ibadan, Ibadan, Nigeria, <sup>2</sup>Primary Health Care

Directorate, Faculty of Health Sciences, University of Cape Town, Observatory, South Africa, Cape Town, Nigeria, <sup>3</sup>Medical Research Council Epidemiology Unit, University of Cambridge, Cambridge, UK, Cambridge, United Kingdom, <sup>4</sup>Department of Epidemiology and Medical Statistics, Faculty of Public Health, College of Medicine, University of Ibadan, Ibadan, Nigeria

**LB-9227****Severe aCute zOonotic PathogEn (SCOPE) protocol: A Longitudinal Observational Study of Severe Acute Viral Respiratory Infections among Civilians Enrolled at a Tertiary Hospital in North-eastern Malaysia**

**Hasmawati Yahaya**<sup>1</sup>, Mahiran Mustafa<sup>2</sup>, Jefree Johari<sup>1</sup>, Amirul Faez Shamsudin<sup>1</sup>, Naim Che-Kamaruddin<sup>1</sup>, M. Ilham Azib<sup>2</sup>, Suhaili Mohammad<sup>2</sup>, Anilawati MJ<sup>2</sup>, Noridah Nordin<sup>2</sup>, Azirawati Ismail<sup>3</sup>, Nur Shazatun Mohd Nur<sup>3</sup>, Naim Khir<sup>1</sup>, Nurhatifah Mahmud<sup>1</sup>, Mohd Ab Ghani<sup>1</sup>, Suhaidi Omar<sup>1</sup>, Kim-Kee Tan<sup>1</sup>, Jia-Yi Tan<sup>1</sup>, Jo-Ern Wong<sup>1</sup>, Aimi Wahidah Aminan<sup>1</sup>, Nor Najwa Mohamed<sup>1</sup>, Norzaihan Hasssan<sup>4</sup>, Siti Norizan Abdul Rani<sup>5</sup>, Josh G. Chenoweth<sup>6</sup>, Pavol Genzer<sup>6</sup>, Bhavya Vashi<sup>6</sup>, Andrew G Letizia<sup>7</sup>, Robert D. Hontz<sup>7</sup>, Huy C Nguyen<sup>7</sup>, Sazaly Abu Bakar<sup>1</sup>

<sup>1</sup>Tropical Infectious Disease Research and Education Centre (TIDREC), Universiti Malaya, Kuala Lumpur, Malaysia, <sup>2</sup>Infectious Disease Unit, Medical Department, Hospital Raja Perempuan Zainab II (HRPZII), Kota Bharu, Kelantan, Malaysia, <sup>3</sup>Emergency Department, Hospital Raja Perempuan Zainab II (HRPZII) Kota Bharu, Kelantan Malaysia, Kota Bharu, Kelantan, Malaysia, <sup>4</sup>Kota Bharu Health Clinic (Klinik Kesihatan Kota Bharu), Kota Bharu, Kelantan, Malaysia, <sup>5</sup>Clinical Research Centre (CRC), Kota Bharu, Kelantan, Malaysia, <sup>6</sup>Austere environments Consortium for Enhanced Sepsis Outcomes (ACESO) program at the Henry M. Jackson Foundation for the Advancement of Military Medicine, Inc (HJF), Bethesda, MD, United States, <sup>7</sup>U.S. Naval Medical Research Unit INDO PACIFIC, Singapore, Singapore

**LB-9228****Symptom Profile of Infants and Neonates <5 kg Body Weight Diagnosed With Plasmodium falciparum Malaria and Enrolled in the Phase 2/3 CALINA Study**

Gildas Wounounou<sup>1</sup>, Bérenger Kabore<sup>2</sup>, Alfred B. Tiono<sup>3</sup>, Stefan Schneider<sup>4</sup>, Stephan Duparc<sup>5</sup>, Georg Hofstetter<sup>6</sup>, Marc Cousin<sup>6</sup>, **Preetam Gandhi**<sup>6</sup>

<sup>1</sup>Saint Luc Hospital, Kisantu, Congo, Democratic Republic of the, <sup>2</sup>Research Institute of Health Sciences, Clinical Research Unit of Nanoro (IRSS-CRUN), Ouagadougou, Burkina Faso, <sup>3</sup>Health Research Action Group (GRAS), Ouagadougou, Burkina Faso, <sup>4</sup>Swiss Tropical and Public Health Institute Kreuzstrasse, Allschwil, Switzerland, <sup>5</sup>Medicines for Malaria Venture, Geneva, Switzerland, <sup>6</sup>Novartis Pharma AG, Basel, Switzerland

## Poster Session B Presentations

Friday, November 15, Noon - 1:45 pm

Convention Center – Hall I-1 (1<sup>st</sup> Floor)

### LB-9229

#### El Niño Southern Oscillation Impacts on Dengue in Peru, Mexico, and Puerto Rico

**Ariana L. Detmar**<sup>1</sup>, Zachary J. Madewell<sup>1</sup>, Gabriela Paz-Bailey<sup>1</sup>, Laura Adams<sup>1</sup>, Maile B. Thayer<sup>1</sup>, Ryan Harp<sup>2</sup>, Cesar V. Munayco<sup>3</sup>, Michael A. Johansson<sup>1</sup>  
<sup>1</sup>Centers for Disease Control and Protection, San Juan, PR, United States, <sup>2</sup>Cooperative Programs in the Advancement of Earth System Science, University Corporation of Atmospheric Research, Boulder, CO, United States, <sup>3</sup>Centro Nacional de Epidemiología, Prevención y Control de Enfermedades, Ministerio de Salud, Lima, Peru

### LB-9230

#### Hospital discharge pathways of acutely ill young children in Bangladesh - a focused-ethnographic study

**Md. Fakhar Uddin**<sup>1</sup>, Fatema Aarshe<sup>1</sup>, Akash Saha<sup>1</sup>, Asma-ul-Husna Sumi<sup>1</sup>, Mubassira Binte Latif<sup>1</sup>, Johnstone Thitiri<sup>2</sup>, Mohammad Jobayer Chisti<sup>1</sup>, Tahmeed Ahmed<sup>1</sup>, Judd L. Walson<sup>3</sup>, James A. Berkley<sup>4</sup>, Sassy Molyneux<sup>4</sup>  
<sup>1</sup>icddr, Dhaka, Bangladesh, <sup>2</sup>KEMRI-Wellcome Trust Research Programme, Kilifi, Kenya, <sup>3</sup>Johns Hopkins University, Maryland, MD, United States, <sup>4</sup>University of Oxford, London, United Kingdom

### LB-9231

#### Health Data Reporting Challenges in the Age of DHIS2: a Mixed-Methods Review in the Teso Sub-Region of Uganda

**Margaret R. Lawrence**<sup>1</sup>, Benjamin Fuller<sup>2</sup>, Andrew Bakainaga<sup>3</sup>, Christopher C. Moore<sup>2</sup>, Herbert Isabirye<sup>4</sup>, Richard Ssekitoleko<sup>3</sup>  
<sup>1</sup>University of Virginia School of Medicine, Charlottesville, VA, United States, <sup>2</sup>University of Virginia School of Medicine, Division of Infectious Diseases and International Health, Charlottesville, VA, United States, <sup>3</sup>World Health Organization–Uganda, Kampala, Uganda, <sup>4</sup>Uganda Ministry of Health National Public Health Emergency Operations Center, Kampala, Uganda

### LB-9232

#### Clinical validation of a mobile-enabled digital point-of-care diagnostic device for screening sub-clinical *P. falciparum* parasitemia

**Espoir Kyubwa**<sup>1</sup>, Johnathan Knecht<sup>1</sup>, Mark Starbird<sup>1</sup>, Patricia Mawindo Mariana<sup>2</sup>, Thandi Bvumbwe<sup>2</sup>, Karl

Seydel<sup>3</sup>, Naresh Menon<sup>1</sup>

<sup>1</sup>Chromologic LLC, Monrovia, CA, United States, <sup>2</sup>Blantyre Malaria Project, Kamuzu University of Health Sciences, Blantyre, Malawi, <sup>3</sup>Department of Osteopathic Medical Specialties College of Osteopathic Medicine, Michigan State University, East Lansing, MI, United States

### LB-9233

#### Knowledge, Attitude, and Practices of Health Professionals Regarding Antimicrobial Stewardship and Resistance in the Pediatric Setting of Maputo Central Hospital, Mozambique

**Darlene Binti Kenga**<sup>1</sup>, Jahit Sacarlal<sup>1</sup>, Mohsin Sidat<sup>2</sup>, Valéria Chicamba<sup>3</sup>, Andrea Ntanga Kenga<sup>4</sup>, Ramigio Pololo<sup>4</sup>, Troy D. Moon<sup>5</sup>  
<sup>1</sup>Department of Microbiology, Faculty of Medicine, University Eduardo Mondlane, Maputo, Mozambique, <sup>2</sup>Department of Community Health, Faculty of Medicine, University Eduardo Mondlane, Maputo, Mozambique, <sup>3</sup>Pediatric Intensive Care Unit, Maputo Central Hospital, Maputo, Mozambique, <sup>4</sup>National Institute of Health Marracuene, Maputo, Mozambique, <sup>5</sup>Department of Tropical Medicine and Infectious Diseases, Tulane University School of Public Health and Tropical Medicine, New Orleans, LA, United States

### LB-9234

#### Deafness in School-Age Children in Senegal: Example of the Sédhiou Region

JUNIE KKADIEL NADI TCHENGANG<sup>1</sup>, **Amadou Yéri Camara**<sup>2</sup>, MALICK NDIAYE<sup>3</sup>, ELIADA TCHENGANG<sup>1</sup>, MARIA CALDES<sup>4</sup>  
<sup>1</sup>HOSPITAL OF SEDHIOU, SEDHIOU, Senegal, <sup>2</sup>REGIONAL DIRECTOR OF HEALTH SEDHIOU, SEDHIOU, Senegal, <sup>3</sup>REGIONAL DIRECTION nOF HEALTH SEDHIOU, SEDHIOU, Senegal, <sup>4</sup>GLOBAL HEALTH CENTER, FLORENCE UNIVERSITY, Italy

### LB-9235

#### Transitioning from Paper-base to Digital Mass Insecticide-Treated Nets (ITNs) Distribution Campaign in Liberia: A pilot phase in Margibi County

**Joseph O. M. Alade**<sup>1</sup>, Chrispin Williams<sup>1</sup>, Mohamed K. Mansalay<sup>2</sup>, Momolu T. Massaquoi<sup>3</sup>, Yatta Wapoe<sup>1</sup>, Trokon T. Washington<sup>1</sup>, Victor S. Koko<sup>1</sup>  
<sup>1</sup>National Malaria Control Program, Monrovia, Liberia, <sup>2</sup>Plan International Liberia, Monrovia, Liberia, <sup>3</sup>National Consultant, Monrovia, Liberia

## Poster Session B Presentations

Friday, November 15, Noon - 1:45 pm

Convention Center – Hall I-1 (1<sup>st</sup> Floor)

### LB-9236

#### Climate change vulnerability and mental health: results from the 2022 Kenya Demographic and Health Surveys

**PETER S. LARSON**, Leon M. Espira  
*University of Michigan, Ann Arbor, MI, United States*

### LB-9237

#### Revealing Gut Microbiome Signatures Linked to Birth Outcomes in Low-Resource Settings of Pakistan: Implications for Reducing Preterm Birth in LMICs

**Naveed Iqbal**<sup>1</sup>, Waqasuddin Khan<sup>1</sup>, Fyezah Jehan<sup>1</sup>, Bucci Vanni<sup>2</sup>, Imran Nisar<sup>1</sup>, Battarai Shukti<sup>3</sup>, Furqan Kabir<sup>1</sup>, Umar Amjid<sup>1</sup>, Samiah kanwar<sup>1</sup>  
<sup>1</sup>*Aga Khan University hospital, Karachi, Pakistan*, <sup>2</sup>*University of Massachusetts Medical School, Massachusetts, MA, United States*, <sup>3</sup>*University of Massachusetts Medical School, Massachusetts, MA, United States*

### LB-9238

#### The Interconnectedness between Health Systems Strengthening and Health Security - A Critical Evaluation

**Sumegha Dr Asthana**<sup>1</sup>, Erin M. Sorrell<sup>2</sup>, Claire J. Standley<sup>1</sup>  
<sup>1</sup>*Georgetown University, Washington, DC, United States*, <sup>2</sup>*John Hopkins University, Baltimore, MD, United States*

### LB-9239

#### Detection and quantification of *Schistosoma haematobium* eggs in pooled urine samples

**Abraham Degarege (Mengist)**<sup>1</sup>, Bruno Levecke<sup>2</sup>, Chris Bilder<sup>3</sup>, David Brett-Major<sup>4</sup>, Abebe Animut<sup>5</sup>, Yohannes Negash<sup>5</sup>, Jana Broadhurst<sup>6</sup>, Tzeyu Michaud<sup>7</sup>, Berhanu Erko<sup>5</sup>  
<sup>1</sup>*University of Nebraska Medical Center, Omaha, NE, United States*, <sup>2</sup>*Department of Translational Physiology, Infectiology and Public Health, Ghent University, Gent, Belgium*, <sup>3</sup>*Department of Statistics, University of Nebraska-Lincoln, Lincoln, NE, United States*, <sup>4</sup>*Department of Epidemiology, College of Public Health University of Nebraska Medical Center, oMAHA, NE, United States*, <sup>5</sup>*Aklilu Lemma Institute of Pathobiology, Addis Ababa University, Addis Ababa, Ethiopia*, <sup>6</sup>*Department of Pathology, Microbiology and Microbiology, University of Nebraska Medical Center, oMAHA, NE, United States*, <sup>7</sup>*Department of Health*

*Promotion, College of Public Health University of Nebraska Medical Center, oMAHA, NE, United States*

### LB-9240

#### Small Bowel Obstruction Due to Ascariasis in a Child from Southern Ethiopia: A Case Report and Public Health Implications

**Ewnetu Firdawek Liyew**<sup>1</sup>, Getachew Tollera<sup>1</sup>, Birhan Mengistu<sup>2</sup>, Melkie Chernet<sup>1</sup>, Bokretsiion Gidey<sup>1</sup>, Rosie Maddren<sup>2</sup>, Julia Mayer<sup>2</sup>, Yasin Awol Wabe<sup>3</sup>, Geremew Tassew<sup>1</sup>, Mesay Hailu<sup>1</sup>, Roy Anderson Anderson<sup>2</sup>  
<sup>1</sup>*Ethiopian Public Health Institute, Addis Ababa, Ethiopia*, <sup>2</sup>*Imperial College London, London, United Kingdom*, <sup>3</sup>*Werabe Comprehensive Specialized Hospital, Worabe, Ethiopia*

### LB-9241

#### Safety of novel combination treatments for onchocerciasis

**Cooper W. Sannah**<sup>1</sup>, Ngormu J. Ballah<sup>1</sup>, Edward B. Guizie<sup>1</sup>, Lincoln S. Gankpala<sup>2</sup>, Dormu Kollie<sup>1</sup>, Partick Kpanyen<sup>1</sup>, Eric Kanza<sup>3</sup>, Alexandre Dyer<sup>4</sup>, Kerstin Fischer<sup>5</sup>, Gary J. Weil<sup>4</sup>, Peter U. Fischer<sup>5</sup>, DOLF Liberia Clinical trial team<sup>1</sup>  
<sup>1</sup>*National Public Health Institute of Liberia, Monrovia, Liberia*, <sup>2</sup>*National Public Health Institute of Liberia, Charlesville, Liberia*, <sup>3</sup>*Centre de Recherche Clinique de Butembo, Butembo, Congo, Democratic Republic of the*, <sup>4</sup>*Division of Infectious Diseases, Washington University School of Medicine, Saint Louis, MO, United States*, <sup>5</sup>*Division of Infectious Diseases, Washington University School of Medicine, St. Louis, MO, United States*

### LB-9242

#### A comparison of field friendly molecular tests for *Ascaris lumbricoides*

**Megan E. Fris**, Madison A. Murphy, Nils Pilotte  
*Quinnipiac University, Hamden, CT, United States*

### LB-9243

#### Sentinel-site monitoring of the prevalence and intensity of soil-transmitted helminthiasis and schistosomiasis in Rwanda: measuring needs to enhance control interventions

**Ladislav Nshimiyimana**<sup>1</sup>, Aimable Mbituyumuremyi<sup>1</sup>, Eugene Ruberanziza<sup>2</sup>, Jean Bosco Monigaba<sup>1</sup>, Jeanne Uwizeyimana<sup>3</sup>, Nathan Hitiyaremye<sup>1</sup>, Albert Tuyishime<sup>1</sup>, Tonya Huston<sup>3</sup>, Nadine Rujeni<sup>4</sup>  
<sup>1</sup>*Rwanda Biomedical Centre, Kigali City, Rwanda*, <sup>2</sup>*END Fund, Kigali City, Rwanda*, <sup>3</sup>*Heart and Sole Action/Africa, Kigali City, Rwanda*, <sup>4</sup>*School of Health Sciences, University of Rwanda, Kigali City, Rwanda*

## Poster Session B Presentations

Friday, November 15, Noon - 1:45 pm

Convention Center – Hall I-1 (1<sup>st</sup> Floor)

### LB-9244

#### **A film about schistosomiasis as an intervention in Pemba Island, Tanzania**

**Lydia Trippler**<sup>1</sup>, Ulfat A. Mohammed<sup>2</sup>, Said M. Ali<sup>2</sup>, Stefanie Knopp<sup>1</sup>

<sup>1</sup>Swiss Tropical and Public Health Institute, Allschwil, Switzerland, <sup>2</sup>Public Health Laboratory - Ivo de Carneri, Pemba, Tanzania, United Republic of

### LB-9245

#### **Results from a 3 year Longitudinal Cohort Study of Hookworm Infection in Beposo, Ghana.**

**Savanna Randi**<sup>1</sup>, Dickson Osabutay<sup>2</sup>, Irene O. Owusu<sup>2</sup>, Christopher Dorcoo<sup>2</sup>, Jeffrey Sumbah<sup>2</sup>, Amanda Lamptey<sup>2</sup>, Isaac Quaye<sup>2</sup>, Charlene Wulff<sup>2</sup>, Grace Odoom<sup>2</sup>, Sedro Mensah<sup>2</sup>, Rahmat bint Yusuf Ismail<sup>2</sup>, Francis Appiah-Twum<sup>2</sup>, Prince Horlortu<sup>2</sup>, Doreen Plange<sup>2</sup>, Joseph Quartey<sup>2</sup>, Daniel Odumang<sup>2</sup>, Ruth Ajaloko<sup>2</sup>, Taylor Clarkson<sup>3</sup>, Samantha Gillis<sup>1</sup>, Ayush Iyer<sup>1</sup>, Michael D. Wilson<sup>2</sup>, Michael Cappello<sup>1</sup>

<sup>1</sup>Yale School of Public Health, New Haven, CT, United States, <sup>2</sup>Noguchi Memorial Institute for Medical Research, Accra, Ghana, <sup>3</sup>University of Nebraska Medical Center, Omaha, NE, United States

### LB-9246

#### **Bioinformatically-informed highly sensitive single qPCR assay for the simultaneous detection of the major parasitic causes of eosinophilic meningitis**

**Joseph Kubofcik**, William J. Sears, Sasisekhar Bennuru, Elise M. O'Connell, Thomas B. Nutman  
*NIH, Bethesda, MD, United States*

### LB-9247

#### **Fasciola and hookworm infections are associated with thinness among sheep in the Huancarani district of Cusco**

**Rodrigo A. Ore**, José L. Alcacontor-Muñoz, Beltrán Jananocca, Nelson Lozano, Martha V. Fernández-Baca, Carol A. Castro, Mary C. Sequeiros, Eulogia Arque, Maria L. Morales, Patricia Mallma, Cesar P. Carcamo, Clinton White, Miguel M. Cabada  
*Universidad Peruana Cayetano Heredia, Lima, Peru*

### LB-9248

#### **Development of alternative treatments for filarial diseases**

**Sabine Specht**

*DNDi, Geneva, Switzerland*

### LB-9249

#### **Retrospective T. cruzi serology found unrecognised Chagas heart disease in Nebraska with expanding vector exposure risk**

Del L. Dsouza, He J. Bai, Kathleen E. Angell, Shaurav Bhattarai, Bailey M. Barcal, M. Jana Broadhurst, **David M. Brett-Major**

*University of Nebraska Medical Center, Omaha, NE, United States*

### LB-9250

#### **Exploring intervention strategies to maximise the impacts of a new single-dose oral drug on reducing disease burden and achieving elimination in at-risk settings of sleeping sickness in the DRC**

**Ching-I Huang**<sup>1</sup>, Louise Dyson<sup>1</sup>, Rian Snijders<sup>2</sup>, Ronald E. Crump<sup>1</sup>, Caroline-Aurore Seghers<sup>2</sup>, Emily H. Crowley<sup>1</sup>, Samuel A. Sutherland<sup>1</sup>, Veerle Lejon<sup>3</sup>, Inaki Tirados<sup>4</sup>, Sophie Dunkley<sup>4</sup>, Antoine Tarral<sup>5</sup>, Lambert Mukendi<sup>6</sup>, Chansy Shampa<sup>6</sup>, Paul Verlé<sup>2</sup>, Epcó Hasker<sup>2</sup>, Elena Nicco<sup>2</sup>, Erick Mwamba Miaka<sup>6</sup>, Kat S. Rock<sup>1</sup>

<sup>1</sup>University of Warwick, Coventry, United Kingdom, <sup>2</sup>Institute of Tropical Medicine, Antwerp, Belgium, <sup>3</sup>Institute of Research for Development, Montpellier, France, <sup>4</sup>Liverpool School of Tropical Medicine, Liverpool, United Kingdom, <sup>5</sup>Drugs for Neglected Diseases Initiative, Geneva, Switzerland, <sup>6</sup>The National Sleeping Sickness Control Programme, Kinshasa, Congo, Democratic Republic of the

### LB-9251

#### **Aptamer-based detection of Trypanosoma cruzi-derived biomarkers in the blood of Chagas disease patients from Brazil and Bolivia**

**Supriya M. Kumar**<sup>1</sup>, Erica Silberstein<sup>1</sup>, David Acosta<sup>1</sup>, Rana Nagarkatti<sup>1</sup>, Fernanda F. de Araújo<sup>2</sup>, Silvana M. Eloi-Santos<sup>2</sup>, Andréa Teixeira-Carvalho<sup>2</sup>, Priscila SG Farani<sup>3</sup>, Olindo A. Martins-Filho<sup>2</sup>, Igor C. Almeida<sup>3</sup>, Alain Debrabant<sup>1</sup>

<sup>1</sup>Food and Drug Administration, Center for Biologics Evaluation and Research, Silver Spring, MD, United States, <sup>2</sup>Instituto Rene Rachou, Fiocruz, Belo Horizonte, Brazil, <sup>3</sup>The University of Texas at El Paso, El Paso, TX, United States

**Poster Session B Presentations**

Friday, November 15, Noon - 1:45 pm  
Convention Center – Hall I-1 (1<sup>st</sup> Floor)

**LB-9252****Emergence of Cutaneous Leishmaniasis in Europe: a case report from Navarra, Spain**

**Roque Díaz Díaz**<sup>1</sup>, Paul Nguewa<sup>2</sup>

<sup>1</sup>Laboratorio Hospital García Orcoyen, Estella, Navarra, Spain, <sup>2</sup>University of Navarra, Department of Microbiology and Parasitology, Pamplona, Navarra, Spain

**LB-9253****Cutaneous leishmaniasis outbreak caused by *Leishmania tropica* in Dhunyar District, Somale Region, Ethiopia**

**Adugna Abera**<sup>1</sup>, Henok Tadesse<sup>1</sup>, Tesfahun Bishaw<sup>2</sup>, Ebise Abose<sup>1</sup>, Solomon Kinde<sup>1</sup>, Hailemariam Difabachew<sup>1</sup>, Mahlet Belachew<sup>1</sup>, Gemechu Tadesse<sup>1</sup>, Henok Bekele<sup>3</sup>, Melkamu Abte<sup>1</sup>, Getachew Tollera<sup>1</sup>, Mesay Hailu<sup>1</sup>, Zeyede Kebede<sup>3</sup>, Dessalegn Geleta<sup>1</sup>, Kaoutar Choukri<sup>4</sup>, Gert Van Der Auwera<sup>4</sup>, Wondemagegn Embiale<sup>5</sup>, Fikre Seife<sup>2</sup>, Myrthe Pareyn<sup>6</sup>, Geremew Tasew<sup>1</sup>

<sup>1</sup>Ethiopian Public Health Institute, Addis Ababa, Ethiopia, <sup>2</sup>Ministry of Health, Ethiopia, Addis Ababa, Ethiopia, <sup>3</sup>World Health Organization, Country Office, Ethiopia, Addis Ababa, Ethiopia, <sup>4</sup>Molecular Parasitology Unit, Department of Biomedical Sciences, Institute of Tropical Medicine, 2000, Antwerp, Belgium, Antwerp, Belgium, <sup>5</sup>Department of Dermatology, College of Health Sciences and Medicine, Bahir Dar University, Bahir Dar, Ethiopia, Bahir Dar, Ethiopia, <sup>6</sup>Unit of Neglected Tropical Diseases, Institute of Tropical Medicine, Antwerp, Antwerp, Belgium

**LB-9254****An 8-year prospective cohort study of 4226 patients with Chagas disease assessing factors predicting progression to cardiomyopathy, Santa Cruz, Bolivia**

**Paula P. Carballo-Jimenez**<sup>1</sup>, Brandon Mercado<sup>2</sup>, Virginia Cooper<sup>3</sup>, Luz Quevedo Cruz<sup>4</sup>, Gustavo Duran-Saucedo<sup>5</sup>, Shilah Waters<sup>3</sup>, Steffany Vucetich<sup>3</sup>, Adriana Hernani<sup>6</sup>, Kelly DeToy<sup>3</sup>, Lola C. Telleria<sup>7</sup>, Freddy Tinajeros<sup>8</sup>, Jorge Flores Franco<sup>5</sup>, Manuela Verastegui<sup>9</sup>, Edith Malaga<sup>9</sup>, Marcelo Buhezo<sup>8</sup>, Caryn Bern<sup>10</sup>, Rachel Marcus<sup>11</sup>, Carlton EVANS<sup>12</sup>, Robert H. Gilman<sup>3</sup>  
<sup>1</sup>Innovation For Health and Development, Santa Cruz, Bolivia, Plurinational State of, <sup>2</sup>Cambridge, London, United Kingdom, <sup>3</sup>Johns Hopkins Bloomberg School of Public Health, Baltimore, MD, United States, <sup>4</sup>Innovation For Health and Development, Lima, Peru, <sup>5</sup>San Juan de Dios Hospital, Santa Cruz, Bolivia, Plurinational State of, <sup>6</sup>Universidad Privada Boliviana, Santa Cruz, Bolivia, Plurinational State of, <sup>7</sup>Pontificia Universidad Católica de Chile, , Santiago de Chile,

Chile, <sup>8</sup>PRISMA NGO, Santa Cruz, Bolivia, Plurinational State of, <sup>9</sup>Universidad Peruana Cayetano Heredia, Lima, Peru, <sup>10</sup>University of California San Francisco, San Francisco, CA, United States, <sup>11</sup>MedStar Heart & Vascular Institute, Baltimore, MD, United States, <sup>12</sup>Innovation For Health and Development, Imperial College London, London, United Kingdom

**LB-9255****A case report of autochthonous pediatric Chagas disease in Louisiana, United States.**

**Ana Paula Sousa Da Silva**<sup>1</sup>, Monika Dietrich<sup>1</sup>, Kathleen Condon<sup>1</sup>, Eric Dumonteil<sup>2</sup>, Claudia Herrera<sup>2</sup>

<sup>1</sup>Children's Hospital of New Orleans and Tulane University School of Medicine, Section of Pediatric Infectious Diseases, New Orleans, LA, United States, <sup>2</sup>Tulane University School of Public Health and Tropical Medicine, Department of Tropical Medicine and Infectious Diseases, New Orleans, LA, United States

**LB-9256****TRANSITION OF THE EPIDEMIOLOGICAL PROFILE OF WOMEN AND NEWBORNS WITH CHAGAS IN BOLIVIA**

**Freddy Tinajeros**<sup>1</sup>, Paloma Samame<sup>1</sup>, María del Carmen Mendiúña<sup>2</sup>, Emily Arteaga<sup>1</sup>, Michael Sciaudone<sup>3</sup>, Edith Malaga<sup>4</sup>, Natalie Bowman<sup>5</sup>, Robert Gilman<sup>6</sup>

<sup>1</sup>PRISMA - John Hopkins University, Santa Cruz, Bolivia, Plurinational State of, <sup>2</sup>Percy Boland Maternity Hospital, Santa Cruz, Bolivia, Plurinational State of, <sup>3</sup>University of Tulane, New Orleans, LA, United States, <sup>4</sup>Universidad Cayetano Heredia, Lima, Peru, <sup>5</sup>University of North Carolina, North Carolina, NC, United States, <sup>6</sup>Johns Hopkins University, Baltimore, MD, United States

**LB-9257****Assessment of the Capacity and Quality of the Activities of Community Health Workers to Combat Malaria in Côte d'Ivoire**

**Edouard C. Balogoun**<sup>1</sup>, Yssouf Ouattara<sup>1</sup>, Jacob Agnima<sup>1</sup>, Joel Koffi<sup>1</sup>, Dimi T. Doudou<sup>2</sup>, Zié A. Ouattara<sup>2</sup>, Ramata Ouattara<sup>3</sup>, Muhammed Imran<sup>3</sup>, Eric A. Swedberg<sup>3</sup>

<sup>1</sup>Save the Children, Abidjan, Côte D'Ivoire, <sup>2</sup>Centre de Recherche pour le Développement, Abidjan, Côte D'Ivoire, <sup>3</sup>Save the Children, Washington, DC, United States

**Poster Session B Presentations**

Friday, November 15, Noon - 1:45 pm  
Convention Center – Hall I-1 (1<sup>st</sup> Floor)

**LB-9258****A Phase I Study to Evaluate the Relative Bioavailability and Food Effect of a New Piperaquine Oral Dispersible Formulation Run at the Phase I Unit in Bagamoyo, Tanzania.**

**Florence Aphida Milando**<sup>1</sup>, Hussein Mbarak<sup>1</sup>, Gloria Nyaulingo<sup>1</sup>, Anneth-Mwasi Tumbo<sup>1</sup>, Tunu Ndanzi<sup>1</sup>, Juliether Tiago<sup>1</sup>, Beatus Bongole<sup>1</sup>, Mohamed Rashid<sup>1</sup>, Bakari Mwalimu<sup>1</sup>, Ali Ali<sup>1</sup>, Salim Abdulla<sup>1</sup>, Anne Claire Marrast<sup>1</sup>, Isabelle Borghini<sup>2</sup>, Denis Gossen<sup>2</sup>, Alice Neequaye<sup>2</sup>, Myriam El-Gaaloul<sup>2</sup>, Hanu Ramachandrani<sup>2</sup>, Said Jongo<sup>1</sup>  
<sup>1</sup>Ifakara Health Institute, Bagamoyo, Tanzania, United Republic of, <sup>2</sup>MMV Medicines for Malaria Venture, Geneva, Switzerland

**LB-9259****Palatability of a novel child-friendly Piperaquine phosphate granule formulation for chemoprevention therapies of malaria in healthy adult participants**

**JULIETHER TIAGO ERNEST**<sup>1</sup>, Florence Milando<sup>1</sup>, Hussein Mbarak<sup>1</sup>, Gloria Nyaulingo<sup>1</sup>, Anneth Tumbo<sup>1</sup>, Tunu Ndanzi<sup>1</sup>, Beatus Bongole<sup>1</sup>, Mohamed Rashid<sup>1</sup>, Bakari Mwalimu<sup>1</sup>, Ali Ali<sup>1</sup>, Salim Abdulla<sup>1</sup>, Isabelle Borghini<sup>2</sup>, Dennis Gossen<sup>2</sup>, Alice Neequaye<sup>2</sup>, Anne Marrast<sup>2</sup>, Anne Marrast<sup>2</sup>, Myriam Gaaloul<sup>2</sup>, Hanu Ramachandrani<sup>2</sup>, Said Jongo<sup>1</sup>  
<sup>1</sup>Ifakara health institute, Dar es salaam, Tanzania, United Republic of, <sup>2</sup>Medical for Malaria Venture, Geneva, Switzerland

**LB-9260****The impact of sulfadoxine-pyrimethamine resistance on the effectiveness of intermittent preventive treatment for the prevention of malaria in pregnancy: a systematic review and meta-analysis**

**Anna Maria van Eijk**<sup>1</sup>, Kasia Stepniewska<sup>2</sup>, Carole Khairallah<sup>1</sup>, Rodriguez Eva<sup>3</sup>, Jordan Ahn<sup>3</sup>, Julie Gutman<sup>4</sup>, Feiko O. Ter Kuile<sup>1</sup>, the IPTp-SP efficacy Study group<sup>5</sup>  
<sup>1</sup>Liverpool School of Tropical Medicine, Liverpool, United Kingdom, <sup>2</sup>Centre for Tropical Medicine and Global Health, Nuffield Department of Clinical Medicine, University of Oxford, Oxford, United Kingdom, <sup>3</sup>Emory University, Atlanta, GA, United States, <sup>4</sup>Centers for Disease Control and Prevention, Atlanta, GA, United States, <sup>5</sup>VA, United States

**LB-9261****Defining Malaria exposure phenotypes using antischizont antibodies for Controlled Human Malaria infection studies in malaria endemic setting**

**Maxmillian G. Mpina**, Wilmina F. Kalinga, Janeth J. Kamage, Mwajuma R. Chemba, Omary A. Juma, Nicolaus P. Gutapaka, Alwisa M. Urassa, Ainaekisha Z. Kahatano, Anneth M. Tumbo, Enock J. Kessy, Ally I. Olotu  
*Ifakara Health Institute, Bagamoyo, Tanzania, United Republic of*

**LB-9262****Projecting Future Malaria Transmission in South Asia: The Role of Humidity in Climate Change-Driven Disease Models**

**Eric R. Bump**<sup>1</sup>, Courtney C. Murdock<sup>2</sup>, Vimal Mishra<sup>3</sup>, Michael C. Wimberly<sup>1</sup>  
<sup>1</sup>University of Oklahoma, Norman, OK, United States, <sup>2</sup>Cornell University, Ithaca, NY, United States, <sup>3</sup>Indian Institute of Technology Gandhinagar, Gandhinagar, India

**LB-9263****Evaluation of a Coformulated VIMT Containing Pfs230D1-CRM197, R21 and Matrix-M1 with the Preservative 2-Phenoxyethanol**

**Kelly M. Rausch**<sup>1</sup>, Karine Reiter<sup>1</sup>, Emma K. Barnafo<sup>1</sup>, Fernando Cabezas Mejia<sup>1</sup>, Lynn E. Lambert<sup>1</sup>, Tarik Ouahes<sup>1</sup>, Myesha Singleton<sup>1</sup>, Pinar Kemanli<sup>1</sup>, Kayode Adeyemi<sup>1</sup>, Solomon Conteh<sup>1</sup>, Holly Torano<sup>1</sup>, Olga Muratova<sup>1</sup>, Justin Yai Doritchamou<sup>1</sup>, Rakesh Kestwal<sup>2</sup>, Rajender Jena<sup>2</sup>, Harish Rao<sup>2</sup>, Umesh Shaligram<sup>2</sup>, David L. Narum<sup>1</sup>, Patrick E. Duffy<sup>1</sup>  
<sup>1</sup>NIH/NIAID/LMIV, Bethesda, MD, United States, <sup>2</sup>Serum Institute of India, Pvt. Ltd., Pune, India

**LB-9264****Remoscope malaria diagnostic accuracy using an undiluted whole blood assay**

**Paul Martin Lebel**<sup>1</sup>, Ilakkiyan Jeyakumar<sup>1</sup>, Michelle Khoo<sup>1</sup>, James Emorut<sup>2</sup>, Peter Olwoch<sup>2</sup>, Grant Dorsey<sup>3</sup>, Rafael Gomez-Sjoberg<sup>1</sup>, Joseph DeRisi<sup>1</sup>  
<sup>1</sup>Chan Zuckerberg Biohub SF, San Francisco, CA, United States, <sup>2</sup>Infectious Disease Research Collaboration, Tororo, Uganda, <sup>3</sup>University of California, San Francisco, San Francisco, CA, United States

**Poster Session B Presentations**

Friday, November 15, Noon - 1:45 pm

Convention Center – Hall I-1 (1<sup>st</sup> Floor)**LB-9265****Interaction between naturally-acquired humoral immunity to malaria and the anti-malarial monoclonal antibody CIS43LS**

**Hamidou Cisse**<sup>1</sup>, Hyeseon Cho<sup>1</sup>, Jeff Skinner<sup>1</sup>, Youngsil Seo<sup>1</sup>, Shanping Li<sup>1</sup>, Mary E. Peterson<sup>1</sup>, Anne C. Preston<sup>1</sup>, Cherrelle Dacon<sup>2</sup>, Azza H. Idris<sup>3</sup>, Didier Dountabe<sup>4</sup>, Aissata Ongoiba<sup>4</sup>, Safiatou Doumbo<sup>4</sup>, David Narum<sup>5</sup>, Joshua Tan<sup>2</sup>, Kassoum Kayentao<sup>4</sup>, Boubacar Traore<sup>4</sup>, Robert A. Seder<sup>3</sup>, Tuan Tran<sup>6</sup>, Peter D. Crompton<sup>1</sup>

<sup>1</sup>Malaria Infection Biology and Immunity Section, Laboratory of Immunogenetics, National Institute of Allergy and Infectious Diseases, National Institutes of Health, Rockville, MD, United States, <sup>2</sup>Antibody Biology Unit, Laboratory of Immunogenetics, National Institute of Allergy and Infectious Diseases, National Institutes of Health, Rockville, MD, United States, <sup>3</sup>Vaccine Research Center, National Institute of Allergy and Infectious Diseases, National Institutes of Health, Bethesda, MD, United States, <sup>4</sup>Malaria Research and Training Center, Mali International Center for Excellence in Research, University of Sciences, Techniques, and Technologies of Bamako, Bamako, Mali, <sup>5</sup>Laboratory of Malaria Immunology and Vaccinology, National Institute of Allergy and Infectious Diseases, National Institutes of Health, Bethesda, MD, United States, <sup>6</sup>Division of Infectious Diseases, School of Medicine, Indiana University, Indianapolis, IN, United States

**LB-9266****Is Malaria an important cause of adult deaths in endemic countries? Preliminary results from two CHAMPS sites in Sub-Saharan Africa, 2022 - 2023**

**Ima-Abasi Bassey**<sup>1</sup>, Victor Akelo<sup>2</sup>, Kyu Han Lee<sup>3</sup>, Dianna Blau<sup>4</sup>, Joyce Were<sup>5</sup>, Christopher Mugah<sup>6</sup>, Aggrey Igunza<sup>7</sup>, Kephass Otieno<sup>8</sup>, Jonathan Schultz<sup>9</sup>, John Fielder<sup>10</sup>, Andrew Moseray<sup>1</sup>, Khadija Gassama<sup>1</sup>, Dickens Kowuor<sup>1</sup>, Sulaiman Lakoh<sup>11</sup>, Julius Ojulong<sup>1</sup>, Rosecelis B. Martinez<sup>4</sup>, Shamta Warang<sup>4</sup>, Quique Bassat<sup>12</sup>, Cynthia G. Whitney<sup>3</sup>, Ikechukwu U. Ogbuanu<sup>1</sup>

<sup>1</sup>CHAMPS, Sierra Leone, Freetown, Sierra Leone, <sup>2</sup>London School of Hygiene and Tropical Medicine, London, United Kingdom, <sup>3</sup>Emory University, Atlanta, GA, United States, <sup>4</sup>Centers for Disease Control and Prevention, Atlanta, GA, United States, <sup>5</sup>University of Nairobi, Nairobi, Kenya, <sup>6</sup>Jaramogi Oginga Odinga University of Science and Technology, Bondo, Kenya, <sup>7</sup>Maseno University, Kisumu, Kenya, <sup>8</sup>Kenya Medical Research Institute-Center for Global Health Research (KEMRI-CGHR), Kisumu, Kenya, <sup>9</sup>CDC-Kenya, Kisumu, Kenya, <sup>10</sup>African Mission on Healthcare, Kisumu, Kenya, <sup>11</sup>St. Luke's University Health Network, Easton, PA, United States

States, <sup>12</sup>ISGlobal - Hospital Clínic, Universitat de Barcelona, Barcelona, Spain

**LB-9267****Prevalence and associated factors of newborn anemia among pregnant women followed at Centre Hospitalier Esengo in Kinshasa Democratic Republic of the Congo**

**Vivi Maketa Tevuzula**, Flory Luzolo Khote, Japhet Kabalu Tshiongo, Melissa Kabena Kabangu, Hypolite Muhindo Mavoko  
University of Kinshasa, Kinshasa, Congo, Democratic Republic of the

**LB-9268****Survival differences and antimalarial resistance screening in HIV-infected and uninfected patients with severe malaria: hospital-based study in Maputo, Mozambique**

**Irina Mendes de Sousa**  
Eduardo Mondlane University, Maputo, Mozambique

**LB-9269****Accuracy of reporting of malaria rapid diagnostic tests in Côte d'Ivoire**

**Abibatou Konaté-Touré**<sup>1</sup>, Valérie A. Bedia-Tanoh<sup>1</sup>, Orphée A. Kouakou-Kangah<sup>1</sup>, Anatole N. Mian<sup>1</sup>, Antoine M. Tanoh<sup>2</sup>, Michael Humes<sup>3</sup>, Kevin Griffith<sup>3</sup>, John Aponte<sup>4</sup>, Emily Hilton<sup>4</sup>, Natalie Galles<sup>4</sup>, Radina Soebiyanto<sup>3</sup>, Shawna Cooper<sup>5</sup>, Kimberly Lindblade<sup>4</sup>, William Yavo<sup>1</sup>

<sup>1</sup>Malaria Research and Control Centre/National Institute of Public Health, Abidjan, Côte D'Ivoire, <sup>2</sup>National Malaria Control Program, Abidjan, Côte D'Ivoire, <sup>3</sup>US President's Malaria Initiative, USAID, Washington DC, WA, United States, <sup>4</sup>PMI Insights, PATH, Seattle, WA, United States, <sup>5</sup>Audere, Seattle, WA, United States

**LB-9270****Effects of baseline characteristics, periconception factors, and post-vaccination responses on fertility outcomes on Malian women of childbearing potential at risk for Plasmodium falciparum (Pf) malaria who received attenuated whole-sporozoite PfSPZ Vaccine.**

**Julie Zemskova**<sup>1</sup>, Sara A. Healy<sup>1</sup>, Halimatou Diawara<sup>2</sup>, Aye Diallo<sup>1</sup>, Viyada Doan<sup>1</sup>, Thomas Richie<sup>3</sup>, Stephen L. Hoffman<sup>3</sup>, Alassane Dicko<sup>2</sup>, Patrick E. Duffy<sup>1</sup>  
<sup>1</sup>Laboratory of Malaria Immunology and Vaccinology, National Institute of Allergy and Infectious Diseases, Bethesda, MD, United States, <sup>2</sup>Malaria Research and Training Center, University of Sciences, Techniques and Technologies of Bamako, Mali, Bamako, Mali, <sup>3</sup>Sanaria, Inc, Rockville, MD, United States



**LB-9271**

**Effectiveness of ANC delivery of IPTp-SP in the context of a trial of integrated ANC and community delivery of intermittent preventive treatment of malaria in pregnancy with sulfadoxine-pyrimethamine in Mali and Burkina Faso.**

**Kadiatou Koita**<sup>1</sup>, Minh Huyen<sup>2</sup>, Oumou Coulibaly<sup>3</sup>, Mahamadou Dembele<sup>3</sup>, Samba Diarra<sup>4</sup>, Jean-Batiste N'Takpé<sup>2</sup>, Joel D. Bognini<sup>5</sup>, Bihoun Biébo<sup>5</sup>, Valérie Briand<sup>6</sup>, Eve Worrall<sup>7</sup>, Halidou Tinto<sup>5</sup>, Jenny Hill<sup>7</sup>, Kassoum Kayentao<sup>3</sup>

<sup>1</sup>Liverpool School of Tropical Medicine, Liverpool, United Kingdom, <sup>2</sup>University of Bordeaux, National Institute for Health and Medical Research (INSERM) UMR 1219, Research Institute for Sustainable Development (IRD), Bordeaux Population Health Research Centre, Bordeaux, France, <sup>3</sup>Malaria Research and Training Center, University of Sciences, Techniques, and Technologies of Bamako, Bamako, Mali, <sup>4</sup>Malaria Research and Training Center, University of Sciences, Techniques, and Technologies of Bamako, Mali, Mali, <sup>5</sup>Institut de Recherche en Sciences de la Santé Clinical Research Unit of Nanoro, Nanoro, Burkina Faso, <sup>6</sup>Epicentre, Paris, France, <sup>7</sup>Department of Clinical Sciences, Liverpool School of Tropical Medicine, Liverpool, United Kingdom

**LB-9272**

**Challenges in Diagnosing and Treating Uncomplicated Plasmodium falciparum Malaria : Case of Artemisinin Combination Therapy Failure and Potential Resistance in a Patient Returning from Angola**

**Asif Iqbal**, Maida Balila, Monish Hassan, Mahmoud Marashi  
MEDICLINIC, DUBAI, United Arab Emirates

**LB-9273**

**Tolerability of 6 diazo 5 oxoLnorleucine (DON) in Malawian adults**

**Jane Edith Mallewa**<sup>1</sup>, Brittany Riggle<sup>2</sup>, Nginache Nampota-Nkomba<sup>3</sup>, Oswald Nyirenda<sup>1</sup>, Douglas G. Postels<sup>4</sup>

<sup>1</sup>Kamuzu University of Health Sciences, Blantyre, Malawi, <sup>2</sup>National Institute of Allergy and Infectious Diseases, Rockville, MD, United States, <sup>3</sup>University of Maryland School of Medicine, Baltimore, MD, United States, <sup>4</sup>10Division of Neurology, The George Washington University/ Children's National Medical Center, Washington DC, DC, United States

**LB-9274**

**Application of a new highly multiplexed amplicon sequencing tool to evaluate Plasmodium falciparum antimalarial resistance and relatedness in individual and pooled samples from Dschang, Western Cameroon**

**Jacob M. Sadler**<sup>1</sup>, Alfred Simkin<sup>2</sup>, Valery P K Tchuenkam<sup>3</sup>, Isabela Gerdes Gyuricza<sup>1</sup>, Abebe Fola<sup>2</sup>, Kevin Wamae<sup>4</sup>, Ashenafi Aseefa<sup>1</sup>, Karamoko Naire<sup>2</sup>, Kyaw Thwai<sup>1</sup>, Sam White<sup>1</sup>, William Moss<sup>5</sup>, Rhoel Dinglasan<sup>6</sup>, Sandrine Nsango<sup>7</sup>, Christopher B Tume<sup>3</sup>, Jonathan B Parr<sup>8</sup>, Innocent Mbuli Ali<sup>3</sup>, Jeffrey A Bailey<sup>2</sup>, Jonathan J Juliano<sup>9</sup>

<sup>1</sup>Institute for Global Health and Infectious Diseases, University of North Carolina at Chapel Hill, Chapel Hill, NC, United States, <sup>2</sup>Department of Pathology and Laboratory Medicine, Warren Alpert Medical School, Brown University, Providence, RI, United States, <sup>3</sup>Department of Biochemistry, Faculty of Science, University of Dschang, Dschang, Cameroon, <sup>4</sup>Kenya Medical Research Institute, Kilifi, Kenya, <sup>5</sup>Departments of Epidemiology, International Health, Molecular Microbiology and Immunology, Johns Hopkins University, Baltimore, MD, United States, <sup>6</sup>Emerging Pathogens Institute, University of Florida, Gainesville, FL, United States, <sup>7</sup>Centre du Pasteur Cameroon, Younde, Cameroon, <sup>8</sup>Institute for Global Health and Infectious Diseases, Division of Infectious Diseases, Curriculum in Genetics and Molecular Biology, School of Medicine, University of North Carolina at Chapel Hill, Chapel Hill, NC, United States, <sup>9</sup>Institute for Global Health and Infectious Diseases, Division of Infectious Diseases, Curriculum in Genetics and Molecular Biology, School of Medicine, Gillings School of Public Health, University of North Carolina at Chapel Hill, Chapel Hill, NC, United States

**LB-9275**

**Comparing expression levels of gene biomarkers associated with gametocyte development and sexual commitment in clinical and community based Plasmodium vivax infections**

**Tassew Tefera Shenkutie**<sup>1</sup>, Ikechukwu Nwankwo<sup>1</sup>, Beka Raya Abagero<sup>1</sup>, Abnet Abebe<sup>2</sup>, Meshesha Tsigie<sup>2</sup>, Lea Baldor<sup>3</sup>, Brice Feufack Donfack<sup>3</sup>, Hangjun Ke<sup>1</sup>, Sindew Mekasha Feleke<sup>2</sup>, Jean Popovici<sup>3</sup>, Eugenia Lo<sup>1</sup>  
<sup>1</sup>Drexel University, Philadelphia, PA, United States, <sup>2</sup>Ethiopian Public Health Institute, Addis Ababa, Ethiopia, <sup>3</sup>Institut Pasteur du Cambodge, Phnom Penh, Cambodia

## Poster Session B Presentations

Friday, November 15, Noon - 1:45 pm

Convention Center – Hall I-1 (1<sup>st</sup> Floor)

### LB-9276

**Interceptor G2 nets and standard nets combined with IRS each provide superior protection against malaria compared to standard ITNs treated with only pyrethroid insecticide in Rwanda: Results from new nets project pilot study, 2020-2022**

**Aimable Mbituyumuremyi**<sup>1</sup>, Dunia Munyakanage<sup>1</sup>, Elias Niyituma<sup>1</sup>, Jean Louis Ndikumana Mangala<sup>1</sup>, Joseph Herman Singirankabo<sup>2</sup>, Kenzie Tynuv<sup>3</sup>, Kyra Arnett Kyra Arnett<sup>3</sup>, Aline Uwimana<sup>1</sup>, Marie Chantal Ingabire<sup>2</sup>, Peder Digre<sup>3</sup>, Joseph Wagman<sup>3</sup>, Emmanuel HAKIZIMANA<sup>1</sup>

<sup>1</sup>Rwanda Biomedical Centre, Kigali, Rwanda, <sup>2</sup>University of Rwanda, Kigali, Rwanda, <sup>3</sup>PATH, Washington, WA, United States

### LB-9277

**Addressing Malaria Diagnosis Challenges in Plateau State: Leveraging Malaria RDTs for Effective Healthcare Delivery**

**Attahir Abubakar**<sup>1</sup>, Mujahid A. Idris<sup>1</sup>, Comfort Kingsley-Randa<sup>2</sup>, Paulinus Amaeze<sup>1</sup>, Victor Pam<sup>1</sup>, Yonwul Dakyen<sup>1</sup>, Justice Adaji<sup>3</sup>, Uchenna Nwokenna<sup>3</sup>, Veronica Momoh<sup>4</sup>, Abimbola Olayemi<sup>3</sup>, Emmanuel Ekwagh<sup>4</sup>, Jenna R. Novy<sup>5</sup>

<sup>1</sup>Management Sciences for Health, Jos, Nigeria, <sup>2</sup>Management Sciences for Health, Nasarawa, Nigeria, <sup>3</sup>Management Sciences for Health, Abuja, Nigeria, <sup>4</sup>United States Agency for International Development, United States President's Malaria Initiative, Abuja, Nigeria, <sup>5</sup>Management Sciences for Health, Boston, MA, United States

### LB-9278

**Operational feasibility of *P. vivax* radical cure after G6PD testing in Thailand**

Prayuth Sudathip<sup>1</sup>, Nardlada Khantikul<sup>2</sup>, Aungkana Saejeng<sup>2</sup>, **Stephan Duparc**<sup>3</sup>, Penny Grewal Daumerie<sup>4</sup>, Caroline Lynch<sup>5</sup>, Elodie Jambert<sup>3</sup>, Chantana Padungtod<sup>1</sup>

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### LB-9279

**Efficacy of three Artemisinin-based combinations for the treatment of uncomplicated malaria in children in Burkina Faso, 2021 : 2 of 3 and 3 of 3 PCR-corrected results**

**Adama GANSANE**<sup>1</sup>, Siaka Debe<sup>1</sup>, Moussa Lingani<sup>2</sup>, Farida Tiendrebeogo<sup>1</sup>, Casimir Tarama<sup>1</sup>, Salif Sombié<sup>1</sup>, Rene KInda<sup>1</sup>, Adama Ganou<sup>1</sup>, Halidou Tinto<sup>2</sup>, Frederic Dianda<sup>3</sup>, Gauthier Tougri<sup>4</sup>, Aladari Sagnon<sup>1</sup>, Charlotte Eddis<sup>5</sup>, Breanna Horton<sup>6</sup>, Culzean Kennedy<sup>6</sup>, Molly Freeman<sup>6</sup>, Mateusz Plucinsky<sup>6</sup>, Jehan Ahmed<sup>5</sup>, Leah Moriarty<sup>6</sup>, Innocent Valea<sup>2</sup>

<sup>1</sup>Institut National de Sante Publique / Centre National de Recherche et de Formation sur le Paludisme (CNRFP), Ouagadougou, Burkina Faso, <sup>2</sup>Institut de Recherche en Sciences de la santé / Unité de Recherche Clinique de Nanoro, Nanoro, Burkina Faso, <sup>3</sup>Secretariat Permanent pour l'Elimination du Paludisme, Ouagadougou, Burkina Faso, <sup>4</sup>Institut National de Sante Publique, Ouagadougou, Burkina Faso, <sup>5</sup>U.S. PMI Impact Malaria/ Population Services International, Washington, WA, United States, <sup>6</sup>U.S. PMI, Malaria Branch, U.S. Centers for Disease Control and Prevention, Atlanta, GA, United States

### LB-9280

**The effectiveness of long-lasting spatial repellent against malaria in humanitarian crisis settings: results from a two-arm cluster-randomised controlled trial in Northern Nigeria.**

**Richard James Allan**<sup>1</sup>, Sara Estechea Querol<sup>1</sup>, Ramona Scherrer<sup>1</sup>, Louisa Messenger<sup>2</sup>

<sup>1</sup>The MENTOR Initiative, Haywards Heath, United Kingdom, <sup>2</sup>University of Nevada, Las Vegas, NV, United States

### LB-9281

**Evaluating Communication Strategies for Malaria Health Messaging on Bioko Island: A Comparative Study Across Districts**

**Samantha Andritsch**<sup>1</sup>, Teresa Ayingono Ondo Mifumu<sup>2</sup>, Christina Ngui Ototo Onvogo<sup>2</sup>, Crisantos Nsue Abeso<sup>2</sup>, Charity Okoro Eribo<sup>2</sup>, Matilde Riloha Rivas<sup>3</sup>, Jeremias Nzamio Mba Eyono<sup>2</sup>, David S. Galick<sup>2</sup>, Carlos A. Guerra<sup>4</sup>, Wonder P. Phiri<sup>2</sup>, Guillermo A. García<sup>4</sup>, Michael von Fricken<sup>1</sup>

<sup>1</sup>University of Florida, Gainesville, FL, United States, <sup>2</sup>MCD Global Health, Malabo, Equatorial Guinea, <sup>3</sup>National Malaria Control Program, Ministry of Health and Social Welfare of Equatorial Guinea, Malabo, Equatorial Guinea, <sup>4</sup>MCD Global Health, Silver Spring, MD, United States

**Poster Session B Presentations**

Friday, November 15, Noon - 1:45 pm

Convention Center – Hall I-1 (1<sup>st</sup> Floor)**LB-9282****Surveillance of Plasmodium falciparum HRP status and arbovirus presence in Haiti using stored rapid diagnostic tests.**

Graham A. Matulis<sup>1</sup>, Haley Smith<sup>2</sup>, Korey L. Delp<sup>2</sup>, Christina Burrows<sup>2</sup>, Jeffrey Koehler<sup>2</sup>, **John So**<sup>3</sup>, Thomas Kleier<sup>3</sup>, Ian Sutherland<sup>3</sup>, Bernard Okech<sup>4</sup>, Jacques Boncy<sup>5</sup>, Michael E. von Fricken<sup>1</sup>  
<sup>1</sup>University of Florida, Gainesville, FL, United States, <sup>2</sup>United States Army Medical Research Institute of Infectious Diseases, Frederick, MD, United States, <sup>3</sup>Navy Entomology Center of Excellence, Jacksonville, FL, United States, <sup>4</sup>Uniformed Services University of the Health Sciences, Bethesda, MD, United States, <sup>5</sup>Laboratoire National de Santé Publique, Port-au-Prince, Haiti

**LB-9283****Evolutionary drivers of Copy Number Variations in Plasmodium vivax Invasion Genes**

**Kareem Pestana**<sup>1</sup>, Bernis Yengo<sup>1</sup>, Tassew Shenkutie<sup>1</sup>, Abnet Abebe<sup>2</sup>, Meshesha Tsigie<sup>2</sup>, Lea Baldor<sup>3</sup>, Brice Feufack Donfack<sup>3</sup>, Jean Popovici<sup>3</sup>, Eugenia Lo<sup>1</sup>  
<sup>1</sup>Drexel University, Philadelphia, PA, United States, <sup>2</sup>Ethiopian Public Health Institute, Addis Ababa, Ethiopia, <sup>3</sup>Institut Pasteur du Cambodge, Phnom Penh, Cambodia

**LB-9284****Quantifying Antimalarial Drug Pressure and Assessing its Implications on Drug Resistance Patterns**

Ruth Bako<sup>1</sup>, Dominic Moshia<sup>2</sup>, Leah Moriarty<sup>2</sup>, **Mateusz Plucinski**<sup>2</sup>, Irene Cavros<sup>2</sup>  
<sup>1</sup>Emory University, Atlanta, GA, United States, <sup>2</sup>CDC, U.S. President's Malaria Initiative, Atlanta, GA, United States

**LB-9285****Impact of community activities on malaria prevention practices in Busia County, Western Kenya: Findings from direct community observations**

Jane A. Ikapesi<sup>1</sup>, Julius I. Odero<sup>1</sup>, Moureen Ekisa<sup>1</sup>, Sheila Ekodir<sup>1</sup>, Anna Passaniti<sup>2</sup>, Albert Casella<sup>2</sup>, Lucy Baker<sup>3</sup>, Kaci D. McCoy<sup>2</sup>, Eric Ochomo<sup>1</sup>, Samantha W. Tsang<sup>2</sup>, April Monroe<sup>2</sup>, **Steven Harvey**<sup>3</sup>  
<sup>1</sup>Centre for Global Health Research, Kenya Medical Research Institute, Kisumu, Kenya, <sup>2</sup>Johns Hopkins Center for Communication Programs, Baltimore, MD,

United States, <sup>3</sup>Johns Hopkins Bloomberg School of Public Health, Baltimore, MD, United States

**LB-9286****Piloting a DHIS2 Based Electronic Malaria Death Audit System in Zimbabwe**

**Evidence Eve Makadzange**<sup>1</sup>, Patience Dhlwayo<sup>2</sup>, Abaden Svisva<sup>1</sup>, Vuyisile Mathe<sup>2</sup>, Ottias Tapfumane<sup>2</sup>, Samuel Gwerete<sup>1</sup>, Ruvimbo Chigwanda<sup>1</sup>, Nomsa Amuli<sup>1</sup>, Andrew Tangwena<sup>2</sup>, Matthew Kumbuyo<sup>3</sup>, Ofentse Mosikare<sup>3</sup>  
<sup>1</sup>Clinton Health Access Initiative, Harare, Zimbabwe, <sup>2</sup>Ministry of Health and Child Care, National Malaria and Control Program, Harare, Zimbabwe, <sup>3</sup>Clinton Health Access Initiative, Boston, MA, United States

**LB-9287****Pharmacokinetics and efficacy of MAM01, anti-circumsporozoite protein (CSP) monoclonal antibody, in mice**

**Upendra Argikar**<sup>1</sup>, James W. Huleatt<sup>1</sup>, Yewel Flores<sup>2</sup>, Fidel Zavala<sup>2</sup>, Betsy Russell<sup>1</sup>, Kayla Andrews<sup>1</sup>, Jared Silverman<sup>1</sup>, Joleen White<sup>1</sup>, Monicah Otieno<sup>1</sup>, Micha Levi<sup>1</sup>, Hong Liu<sup>1</sup>, Neelima Sharma<sup>1</sup>, Scott Miller<sup>1</sup>, Charles Wells<sup>1</sup>  
<sup>1</sup>Bill & Melinda Gates Medical Research Institute, Cambridge, MA, United States, <sup>2</sup>Johns Hopkins University, Baltimore, MD, United States

**LB-9288****SMC and ITN campaign integration; Lessons learnt from Kwara State pilot**

**Fatima Bukar Ali**<sup>1</sup>, Godwin Ntadom<sup>1</sup>, Issah Kawu<sup>1</sup>, Mary Esema<sup>1</sup>, Emmanuel Shakarau<sup>1</sup>, Nnenna Ogbulafor<sup>1</sup>, Orezi Adhekoyibo<sup>2</sup>, Emmanuel Obi<sup>2</sup>, Sonachi Ezeiru<sup>2</sup>, Bashir Oyetunji<sup>1</sup>, John Ocholi<sup>3</sup>, Suzanne Van Hulle<sup>4</sup>  
<sup>1</sup>National Malaria Elimination Program, Abuja, Nigeria, <sup>2</sup>Catholic Relief Services, Abuja, Nigeria, <sup>3</sup>Society for Family Health, Abuja, Nigeria, <sup>4</sup>Catholic Relief Services, Washington DC, WA, United States

**LB-9289****Potential cost-effectiveness of anti-infective monoclonal antibodies for seasonal malaria prevention**

**Thiery Masserey**<sup>1</sup>, Narimane Nekkab<sup>1</sup>, Lydia Braunack-Mayer<sup>1</sup>, Melissa Penny<sup>2</sup>  
<sup>1</sup>Swiss Tropical And Public Health Institute, Allschwil, Switzerland, <sup>2</sup>Telethon Kids Institute, Perth, Australia

## Poster Session B Presentations

Friday, November 15, Noon - 1:45 pm  
Convention Center – Hall I-1 (1<sup>st</sup> Floor)

### LB-9290

#### **Hrp2 and 3 gene deletions in *P. falciparum* samples from Northern Nigeria and the potential impact on the use of RDTs**

**Ifeyinwa Aniebo**<sup>1</sup>, Vera Mitesser<sup>1</sup>, John Openibo<sup>1</sup>, Kelechi Ohiri<sup>2</sup>, Perpetua Uhomobi<sup>3</sup>, Festus Obiajulom<sup>4</sup>, Chukwu Okoronkwo<sup>3</sup>, Khalid Beshir<sup>5</sup>, Christian Happi<sup>1</sup>  
<sup>1</sup>Redeemer's university, Ede, Nigeria, <sup>2</sup>HSDF, Abuja, Nigeria, <sup>3</sup>National Malaria Elimination Program, Abuja, Nigeria, <sup>4</sup>Malaria Elimination Program, Abuja, Nigeria, <sup>5</sup>London School of Hygiene and Tropical Medicine, London, United Kingdom

### LB-9291

#### **Coaching visits to health care workers to improve Perennial Malaria Chemoprevention (PMC) implementation in Kongo Central, Democratic Republic of the Congo (DRC)**

**Nono Mvuama Mazangama**<sup>1</sup>, Jicko Bondole<sup>1</sup>, Guylain Sundisa<sup>1</sup>, Julia Ngomba<sup>1</sup>, Thierry Mateta<sup>1</sup>, Aline Maliwani<sup>2</sup>, Gloire Mbaka Onya<sup>1</sup>, Nono Koka<sup>3</sup>, Anna DeGarmo<sup>4</sup>, Rova Ratsimandisa<sup>1</sup>, Michael Hainsworth<sup>4</sup>, Arantxa Roca-Feltrer<sup>5</sup>, Caterina Guinovart<sup>6</sup>, Meredith Center<sup>7</sup>, Eric Mukomena<sup>2</sup>, Henry Ntuku<sup>8</sup>  
<sup>1</sup>PATH, Kinshasa, Congo, Democratic Republic of the, <sup>2</sup>National Malaria Control Program, Kinshasa, Congo, Democratic Republic of the, <sup>3</sup>Provincial Malaria Control Program, Kongo Centrale, Congo, Democratic Republic of the, <sup>4</sup>PATH, Seattle, WA, United States, <sup>5</sup>PATH, Maputo, Mozambique, <sup>6</sup>IS Global, Barcelona, Spain, <sup>7</sup>PATH, Bozeman, MT, United States, <sup>8</sup>PATH, Geneva, Switzerland

### LB-9292

#### **The aetiology and outcomes of non traumatic coma in African children; a systematic review and meta analysis**

**Stephen Ray**<sup>1</sup>, Charlotte Fuller<sup>2</sup>, Ajisa Ahmadu<sup>3</sup>, Karl Seydel<sup>4</sup>, Michael Griffiths<sup>5</sup>  
<sup>1</sup>University of Oxford, Oxford, United Kingdom, <sup>2</sup>University of Liverpool, Liverpool, United Kingdom, <sup>3</sup>University of Malawi, Bantyre, Malawi, <sup>4</sup>University of Michigan, Michigan, United Kingdom, <sup>5</sup>University of Sydney, Sydney, Australia

### LB-9293

#### **Social networks and their influence on net use in seasonal agricultural workers in Namibia: optimizing uptake of targeted malaria interventions**

**Jennifer L. Smith**<sup>1</sup>, Cara Smith Gueye<sup>1</sup>, Davis Mumbengegwi<sup>2</sup>  
<sup>1</sup>University of California San Francisco, San Francisco, CA, United States, <sup>2</sup>University of Namibia, Windhoek, Namibia

### LB-9294

#### **Accurate full haplotype long-read amplicon calling from Nanopore sequencing for *Plasmodium falciparum***

**Nicholas J. Hathaway**<sup>1</sup>, Alfred Simkin<sup>2</sup>, Jeffrey A. Bailey<sup>2</sup>  
<sup>1</sup>UCSF, San Francisco, CA, United States, <sup>2</sup>Brown University, Providence, RI, United States

### LB-9295

#### **Entomological evaluation to demonstrate the interruption of *Onchocerca volvulus* transmission in stopping of ivermectin Mass Drug Administration in Tukuyu Focus, Tanzania.**

**Andreas M. Nshala**<sup>1</sup>, Rebecca J. Chancey<sup>1</sup>, Akili Kalinga<sup>2</sup>, Victoria Lorry<sup>3</sup>, Paul Martin<sup>4</sup>, Ben Masiira<sup>5</sup>, Lakwo T. Luroni<sup>6</sup>, Clarer M. Jones<sup>7</sup>, Hassan Hassan<sup>8</sup>, Jessica P. Guerra<sup>1</sup>, Stephen Lindstrom<sup>1</sup>, Paul Cantey<sup>1</sup>  
<sup>1</sup>Centers for Disease Control and Prevention, Atlanta, GA, United States, <sup>2</sup>National Institute for Medical Research-NIMR, Dar es salaam, Tanzania, United Republic of, <sup>3</sup>National Institute for Medical Research-NIMR, Tukuyu, Tanzania, United Republic of, <sup>4</sup>National Institute for Medical Research-NIMR, Tanga, Tanzania, United Republic of, <sup>5</sup>African Field Epidemiology Network, Kampala, Uganda, <sup>6</sup>Vector Control Division, Research Ethics Committee, Kampala, Uganda, <sup>7</sup>Neglected Tropical Diseases Control Program, Dodoma, Tanzania, United Republic of, <sup>8</sup>Center for Global Health Infectious Disease Research- USF, Tampa, FL, United States

### LB-9296

#### **Development of a rapid, field-friendly method for isolation of cell-free DNA from blood plasma and serum for diagnosis of *Schistosoma* infections**

Ejona Gjika<sup>1</sup>, Antje Fuss<sup>2</sup>, Youssef Hamway<sup>3</sup>, Clarissa Prazeres da Costa<sup>3</sup>, Johannes H. Graf<sup>1</sup>, **Andy Wende**<sup>1</sup>  
<sup>1</sup>Xpedite Diagnostics, Hallbergmoos, Germany, <sup>2</sup>Medmissio Health Institute, Wuerzburg, Germany, <sup>3</sup>Institute for Medical Microbiology, Immunology and Hygiene, Technical University, Munich, Germany

## Poster Session B Presentations

Friday, November 15, Noon - 1:45 pm

Convention Center – Hall I-1 (1<sup>st</sup> Floor)

### LB-9297

#### **Mission mode MDA campaign and Impact of block level strategy and surveillance to accelerate the progress towards Lymphatic Filariasis Elimination in India.**

**Dr Tanu Jain**<sup>1</sup>, Dr Chhavi Pant Joshi<sup>1</sup>, Dr. Atul Mittal<sup>2</sup>  
<sup>1</sup>National Centre for Vector Borne Diseases Control, Ministry of Health and Family Welfare, Government of India, New Delhi, India, <sup>2</sup>TSU, National Centre for Vector Borne Diseases Control, Ministry of Health and Family Welfare, Government of India, New Delhi, India

### LB-9298

#### **Enabling Factors for India's Journey Towards Elimination of Visceral leishmaniasis /Kala-azar.**

**Dr Tanu Jain**<sup>1</sup>, Shri Rajiv Manjhi<sup>2</sup>, Jayaram Parasa<sup>3</sup>  
<sup>1</sup>National Centre for Vector Borne Diseases Control, Ministry of Health and Family Welfare, Government of India, New Delhi, India, <sup>2</sup>Ministry of Health and Family Welfare, Government of India, New Delhi, India, <sup>3</sup>TSU, NCVBDC, Ministry of Health and Family Welfare, Government of India, New Delhi, India

### LB-9299

#### **Novel Approach to Surveillance and Response in Potential 'Hot Spot' Areas Post Lymphatic Filariasis Mass Drug Administration in 2 Districts in Tanzania.**

**Dorica Burengelo**<sup>1</sup>, Casmil Masayi<sup>1</sup>, Veronica Kabona<sup>1</sup>, Julius Masanika<sup>1</sup>, Shabbir Lalji<sup>1</sup>, Molly Brady<sup>2</sup>, Faraja Lyamuya<sup>3</sup>  
<sup>1</sup>Research Triangle Institute (RTI) International, Dar es Salaam, Tanzania, United Republic of, <sup>2</sup>Research Triangle Institute (RTI) International, Washington DC, WA, United States, <sup>3</sup>The National Neglected Tropical Diseases Control Program, Ministry of Health, Dodoma, Tanzania, United Republic of

### LB-9300

#### **Impact of TAK-003 Vaccination on Serological Diagnosis in Participants from the Pivotal, Phase 3 TIDES Trial**

Ian Escudero<sup>1</sup>, Pope Kosalaraksa<sup>2</sup>, Delia Yu<sup>3</sup>, Kelley Moss<sup>1</sup>, Ivo Sonderegger<sup>4</sup>, Mayuri Sharma<sup>1</sup>, Nicholas Roubinis<sup>4</sup>, Shibadas Biswal<sup>1</sup>, **Vianney Tricou**<sup>4</sup>  
<sup>1</sup>Takeda Vaccines, Inc., Cambridge, MA, United States, <sup>2</sup>Department of Pediatrics, Faculty of Medicine, Khon Kaen University, Khon Kaen, Thailand, <sup>3</sup>Pediatrics, De La Salle Medical and Health

Sciences Institute, Dasmariñas, Philippines, <sup>4</sup>Takeda Pharmaceuticals International AG, Zurich, Switzerland

### LB-9301

#### **Serological evidence for disappearing Onchocerca volvulus (OV) transmission among human population of eastern and Western Usambara (Tanga Focus) of Tanzania.**

**Ambakisye Kuyokwa Mhiche**<sup>1</sup>, Ezekiel Noah Moi<sup>2</sup>, Akili Kalinga<sup>3</sup>, Upendo Mwingira<sup>4</sup>, George Kabona<sup>2</sup>, Clarer Jones<sup>2</sup>  
<sup>1</sup>Research Triangle Institute International, Dar Es Salaam, Tanzania, United Republic of, <sup>2</sup>National Neglected Tropical Diseases Control Program, Dodoma, Tanzania, United Republic of, <sup>3</sup>National Institute for Medical Research, Dar Es Salaam, Tanzania, United Republic of, <sup>4</sup>Research Triangle Institute International, Washington DC, VA, United States

### LB-9302

#### **Field Adaptations of WHO Recommendations for Onchocerciasis Impact Surveys in Cote d'Ivoire and Togo**

**Jennifer Kniss**<sup>1</sup>, Achille Kabore<sup>1</sup>, Virginie Ettiegné-Traore<sup>2</sup>, Aba Elvis<sup>2</sup>, Piham Gnossike<sup>3</sup>  
<sup>1</sup>FHI 360, Washington, DC, United States, <sup>2</sup>FHI 360, Abidjan, Côte D'Ivoire, <sup>3</sup>Ministry of Health - Togo, Lome, Togo

### LB-9303

#### **Adapting new LF survey guidance to country context: Lessons learned from piloting the Epidemiological Monitoring Survey in Nepal**

**Sudip R. Khatiwada**<sup>1</sup>, Achut B. Ojha<sup>1</sup>, Ram Kumar Mahato<sup>2</sup>, Molly A. Brady<sup>3</sup>, Nandini Pillai<sup>3</sup>, Alexis Serna<sup>3</sup>  
<sup>1</sup>RTI International, Kathmandu, Nepal, <sup>2</sup>Epidemiology and Disease Control Division, Ministry of Health and Population, Kathmandu, Nepal, <sup>3</sup>RTI International, Washington DC, DC, United States

### LB-9304

#### **Zika and chikungunya force of infection and seroepidemiology in rural villages of the Peruvian Amazon**

**Edson J. Ascencio**<sup>1</sup>, Bryan Fernandez-Camacho<sup>1</sup>, Antony Barja<sup>1</sup>, Luca Nelli<sup>2</sup>, Isabel Byrne<sup>2</sup>, Elin Dumont<sup>2</sup>, Lynn Gringard<sup>2</sup>, Kevin Tetteh<sup>2</sup>, Lindsey Wu<sup>2</sup>, Alejandro Llanos-Cuentas<sup>3</sup>, Chris Drakeley<sup>2</sup>, Gillian Stresman<sup>2</sup>, Gabriel Carrasco-Escobar<sup>1</sup>  
<sup>1</sup>Health Innovation Laboratory - Institute of Tropical Medicine 'Alexander von Humboldt', Universidad Peruana Cayetano Heredia, Lima, Peru, <sup>2</sup>London School of Hygiene and Tropical Medicine, London, United Kingdom, <sup>3</sup>Institute of Tropical Medicine 'Alexander von Humboldt', Universidad Peruana Cayetano Heredia, Lima, Peru

## Poster Session B Presentations

Friday, November 15, Noon - 1:45 pm

Convention Center – Hall I-1 (1<sup>st</sup> Floor)

### LB-9305

#### Lessons Learned from Electronic Collection of Individual Data to Enhance Mass Drug Administration for Lymphatic Filariasis in Haiti

**Erica Denis**<sup>1</sup>, Alain Javel<sup>1</sup>, Molly Brady<sup>2</sup>, Alyssa Lindrose<sup>2</sup>, Carl Fayette<sup>1</sup>, Briana Stone<sup>2</sup>, Erica Shoemaker<sup>2</sup>, Marc Aurele Telfort<sup>3</sup>, Uder Antoine<sup>1</sup>  
<sup>1</sup>RTI International, Petion Ville, Haiti, <sup>2</sup>RTI International, Washington, DC, United States, <sup>3</sup>Ministry of Public Health and Population, Petion Ville, Haiti

### LB-9306

#### An Analysis of Local Therapeutic Treatments for Cutaneous and Mucocutaneous Leishmaniasis: A Systematic Review & Meta-Analysis

**Joy Xu**<sup>1</sup>, Sophia Salazar<sup>2</sup>, Aashita Doshi<sup>3</sup>  
<sup>1</sup>UCLA, Los Angeles, CA, United States, <sup>2</sup>University of Toronto, Toronto, ON, Canada, <sup>3</sup>University of Texas, Dallas, Frisco, TX, United States

### LB-9307

#### Antigenic distance between primary and secondary dengue infections correlates with disease risk

**Lin Wang**<sup>1</sup>, Angkana Huang<sup>1</sup>, Leah Katzelnick<sup>2</sup>, Noémie Lefrancq<sup>1</sup>, Ana Coello Escoto<sup>2</sup>, Lorena Duret<sup>1</sup>, Nayeem Chowdhury<sup>2</sup>, Richard Jarman<sup>3</sup>, Matthew Conte<sup>4</sup>, Irina Maljkovic Berry<sup>5</sup>, Stefan Fernandez<sup>6</sup>, Chonticha Klungthong<sup>6</sup>, Butsaya Thaisomboonsuk<sup>6</sup>, Piyarat Suntarattiwong<sup>7</sup>, Warunee Vandepitte<sup>7</sup>, Stephen Whitehead<sup>2</sup>, Simon Cauchemez<sup>8</sup>, Derek Cummings<sup>9</sup>, Henrik Salje<sup>1</sup>  
<sup>1</sup>University of Cambridge, Cambridge, United Kingdom, <sup>2</sup>National Institutes of Health, Bethesda, MD, United States, <sup>3</sup>Coalition for Epidemic Preparedness Initiative, Washington DC, DC, United States, <sup>4</sup>Walter Reed Army Institute of Research, Silver Spring, DC, United States, <sup>5</sup>Walter Reed Army Institute of Research, Silver Spring, MD, United States, <sup>6</sup>Armed Forces Research Institute of Medical Sciences, Bangkok, Thailand, <sup>7</sup>Queen Sirikit National Institute of Child Health, Bangkok, Thailand, <sup>8</sup>Institut Pasteur, Paris, France, <sup>9</sup>University of Florida, Gainesville, FL, United States

### LB-9308

#### Understanding Dengue Epidemiology and Natural History in Brazil: Data from a Phase III Randomized Controlled Trial of Butantan-DV

Eliana N.C. Barros<sup>1</sup>, Manuela de Almeida Roediger<sup>1</sup>, Maína L'Azou Jackson<sup>2</sup>, Alejandra Esteves-Jaramillo<sup>3</sup>, Germán Áñez<sup>3</sup>, **José A. Moreira**<sup>1</sup>, Fernanda Castro Boulos<sup>1</sup>  
<sup>1</sup>Instituto Butantan, Sao Paulo, Brazil, <sup>2</sup>MSD (UK), London, United Kingdom, <sup>3</sup>Merck & Co., Inc., Rahway, NJ, United States

### LB-9309

#### Genetic Diversity and Persistence of Dengue and Chikungunya Viruses Circulating in the Philippines

**John Mark Velasco**  
WRAIR-AFRIMS, Manila, Philippines

### LB-9310

#### Genetic Characteristics and Evolution of Hemagglutinin gene of Influenza Viruses in Thailand Pre- and Post-COVID-19 Lockdown (2014-2024)

**Prinyada Rodpradit**<sup>1</sup>, Thipwipha Phonpakobsin<sup>1</sup>, Wudtichai Manasatienkij<sup>1</sup>, Piyawan Chinnawirotpisan<sup>1</sup>, Khajohn Joonlasak<sup>1</sup>, Yongyuth Poolpanichupatam<sup>1</sup>, Darunee Buddhari<sup>1</sup>, Veerachai Watanaveeradej<sup>2</sup>, Detchvijitr Suwanpakdee<sup>2</sup>, Sarunyou Chusri<sup>3</sup>, John S. Brooks<sup>1</sup>, Aaron R. Farmer<sup>1</sup>, Kathryn McGuckin Wuertz<sup>1</sup>, Chonticha Klungthong<sup>1</sup>  
<sup>1</sup>Department of Virology, Walter Reed Army Institute of Research-Armed Forces Research Institute of Medical Sciences (WRAIR-AFRIMS), Bangkok, Thailand, <sup>2</sup>Department of Pediatrics, Phramongkutklao Hospital, Bangkok, Thailand, <sup>3</sup>Department of Internal Medicine, Faculty of Medicine, Prince of Songkla University, Hat Yai, Songkhla, Thailand

### LB-9311

#### Persistence and Replacement of DENV-1 Genotypes in Lamu, Kenya's North Coast

Evalyne N. Wambugu, Josphat N. Nyataya, Gathii Kimita, **John N. Waitumbi**  
Kenya Medical Research Institute/ WRAIR-Africa/Kenya, Kisumu, Kenya

### LB-9312

#### Comparing vaccines and Wolbachia as tools to control dengue virus

Henrik Salje, **Emilie Finch**  
University of Cambridge, Cambridge, United Kingdom

**Poster Session B Presentations**

Friday, November 15, Noon - 1:45 pm

Convention Center – Hall I-1 (1<sup>st</sup> Floor)**LB-9313****Probabilistic Forecasting of West Nile Virus Cases in California Using Climate Data and Machine Learning Models**

Mauricio C. Loya, **Joshua E. Lazaro**, Caroline Glidden, Desire U. NALUKWAGO, Erin Mordecai  
Stanford, Stanford, CA, United States

**LB-9314****Deposition and Detection of Mayaro Virus in an Artificial Feeding Systems for Vector-Borne Disease Studies**

**Samuel Jameson**<sup>1</sup>, Olayinka Olajiga<sup>1</sup>, Kaitlyn Lewis<sup>1</sup>, Brendan Carter<sup>1</sup>, Arley Calle Tobon<sup>1</sup>, Dawn Wesson<sup>1</sup>, Berlin Londono<sup>1</sup>, Dana Mitzel<sup>2</sup>  
<sup>1</sup>Tulane University, New Orleans, LA, United States, <sup>2</sup>United States Department of Agriculture, Manhattan, KS, United States

**LB-9315****Community Engagement in a new trial site of the Partnership for Research on Ebola Vaccination PREVAC in Mali**

**Samba Diarra**  
USTTB/University Clinical Research Center, Bamako, Mali

**LB-9316****Phylogenetic-Based Geodispersal History of Regional Nipah Virus Strain in Bangladesh**

**Md. Mahfuzur Rahman**<sup>1</sup>, Shahreen Rahman<sup>1</sup>, Samiur Rahim<sup>1</sup>, Mohammad Enayet Hossain<sup>1</sup>, Syed M. Satter<sup>1</sup>, John D. Klena D. Klena<sup>2</sup>, Shannon Whitmer<sup>2</sup>, Tahmina Shirin<sup>3</sup>, Joel M. Montgomery<sup>2</sup>, Ariful Islam<sup>4</sup>, Jonathan H. Epstein<sup>4</sup>, Maria E. Kaczmarek<sup>4</sup>, Mohammed Ziaur Rahman<sup>1</sup>, Iqbal Kabir Jahid<sup>5</sup>  
<sup>1</sup>icddr, Dhaka, Bangladesh, <sup>2</sup>CDC, Atlanta, GA, United States, <sup>3</sup>IEDCR, Dhaka, Bangladesh, <sup>4</sup>EcoHealth Alliance, New York, NY, United States, <sup>5</sup>Jashore University of Science and Technology, Jashore, Bangladesh

**LB-9317****Results from a study evaluating the impact of needlefree intradermal delivery of inactivated polio vaccine on Nigeria's Routine Immunization Program.**

**Paul LaBarre**<sup>1</sup>, Elizabeth Oliveras<sup>2</sup>, Diwaker Mohan<sup>3</sup>, Mercy Mvundura<sup>4</sup>, Chris Morgan<sup>2</sup>, Sidney Sampson<sup>5</sup>, Bakunawa Garba Bello<sup>6</sup>, Catherine Daly<sup>1</sup>  
<sup>1</sup>PharmaJet, Golden, CO, United States, <sup>2</sup>Jhpiego, Baltimore, MD, United States, <sup>3</sup>Johns Hopkins Bloomberg School of Public Health, Baltimore, MD, United States, <sup>4</sup>PATH, Seattle, WA, United States, <sup>5</sup>Sydani Group, Abuja, Nigeria, <sup>6</sup>National Primary Health Care Development Agency, Abuja, Nigeria

**LB-9318****Lymph Node Fine Needle Aspirations on Individuals Receiving a Monovalent Live Attenuated Dengue Vaccine**

**Silvia E. Blanco-Rivera**, Kelsey E. Lowman, Charlie Voirin, Saba Firdous, Patrick I. Mpingabo, Keerthi Konda, Rosemary A. Aogo, Melissa Law, Michael Kassin, Elliot B. Levy, Ifechi N. Ukeh, Cali R. Lubrant, Brad J. Wood, Jeffrey I. Cohen, Camila D. Odio, Leah C. Katzelnick  
National Institute of Allergy and Infectious Diseases, Bethesda, MD, United States

**LB-9319****Using the dynamics of IgG and IgM antibodies to identify primary and secondary dengue infections**

Kaavya Kanagarajah<sup>1</sup>, **Ines Jiminez Pages**<sup>1</sup>, Warunee Vandepitte<sup>2</sup>, Piyarat Suntarattiwong<sup>2</sup>, Aaron Farmer<sup>3</sup>, Marco Hamins-Puerolas<sup>4</sup>, Isabel Rodriguez-Barraquer<sup>4</sup>, Adam Waickman<sup>5</sup>, Alan Rothman<sup>6</sup>, Derek Cummings<sup>7</sup>, Kathryn Anderson<sup>5</sup>, Henrik Salje<sup>1</sup>, Angkana Huang<sup>1</sup>  
<sup>1</sup>University of Cambridge, Cambridge, United Kingdom, <sup>2</sup>QSNICH, Bangkok, Thailand, <sup>3</sup>AFRIMS, Bangkok, Thailand, <sup>4</sup>UCSF, San Francisco, CA, United States, <sup>5</sup>SUNY, Syracuse, NY, United States, <sup>6</sup>URI, Rhode Island, RI, United States, <sup>7</sup>Johns Hopkins, Baltimore, MD, United States

## Poster Session B Presentations

Friday, November 15, Noon - 1:45 pm

Convention Center – Hall I-1 (1<sup>st</sup> Floor)

### LB-9320

#### Application of Machine Learning techniques to cluster serology data to understand the burden of arboviruses

**Anchita Puri**<sup>1</sup>, Bethan Cracknell Daniels<sup>2</sup>, Megan O'Driscoll<sup>1</sup>, Mohammed Ziaur Rahman<sup>3</sup>, Kishor Kumar Paul<sup>4</sup>, Abu Mohd Naser Titu<sup>5</sup>, Mohammad Shafiul Alam<sup>3</sup>, Mohammad Enayet Hossain<sup>3</sup>, Jessica Vanhomwegen<sup>6</sup>, Emily Gurley<sup>7</sup>, John Lees<sup>8</sup>, Henrik Salje<sup>1</sup>

<sup>1</sup>University of Cambridge, Cambridge, United Kingdom, <sup>2</sup>Imperial College London, London, United Kingdom, <sup>3</sup>International Centre for Diarrhoeal Disease Research (icddr,b), Dhaka, Bangladesh, <sup>4</sup>School of Population Health, UNSW Sydney, Sydney, Australia, <sup>5</sup>Division of Epidemiology, Biostatistics, and Environmental Health, University of Memphis, Memphis, TN, United States, <sup>6</sup>Environment and Infectious Risks Unit, Institut Pasteur, Paris, France, <sup>7</sup>Department of Epidemiology, Johns Hopkins Bloomberg School of Public Health, Baltimore, MD, United States, <sup>8</sup>EMBL-EBI, Hinxton, United Kingdom

### LB-9321

#### The performance of a Rapid COVID-19 Antigen Test in rural Gabon

**Saskia Dede Davi**<sup>1</sup>, Dearie Glory Okwu<sup>2</sup>, Lillian Rene Endamme<sup>1</sup>, Teite Rebecca Hildebrandt<sup>1</sup>, Rella Zoleko Manego<sup>2</sup>, Ghyslain Mombo-Ngoma<sup>2</sup>, Maradona Daouda Agbanrin<sup>2</sup>, Rafiou Adamou<sup>2</sup>, Ayola Akim Adegniko<sup>2</sup>, Selidji Todagbe Agnandji<sup>2</sup>, Michael Ramharter<sup>1</sup>, Johannes Mischlinger<sup>1</sup>

<sup>1</sup>Bernhard-Nocht-Institute for Tropical Medicine, Hamburg, Germany, <sup>2</sup>Centre de Recherches Médicales de Lambaréné, Lambaréné, Gabon

### LB-9322

#### Immunogenicity and safety of fractional booster dose of COVID-19 vaccines in Pakistan: A phase 4 dose-optimizing trial

**Zaid Muhammad Aslam**<sup>1</sup>, Huma S. Hussain<sup>2</sup>, Tahir Yousafzai<sup>2</sup>, Junaid Iqbal<sup>2</sup>, Muhammad Muneeb<sup>3</sup>, Jessica C. Seidman<sup>4</sup>, Alice S. Carter<sup>4</sup>, Joelle I. Rosser<sup>5</sup>, Yuan Gu<sup>6</sup>, Amy Zhang<sup>6</sup>, Haley Hedlin<sup>6</sup>, Vivek Charu<sup>6</sup>, Julio Croda<sup>7</sup>, Stephen Luby<sup>5</sup>, Denise Garrett<sup>4</sup>, Farah N. Qamar<sup>8</sup>

<sup>1</sup>Texas Health Plano, Plano, TX, United States, <sup>2</sup>Department of Pediatrics, Aga Khan University, Karachi, Pakistan, <sup>3</sup>Trinity Health Oakland/Wayne State University, Pontiac, MI, United States, <sup>4</sup>Albert B Sabin Vaccine Institute, Washington DC, DC, United States, <sup>5</sup>Infectious Diseases and Geographic Medicine, Stanford University, Stanford, CA, United States, <sup>6</sup>Quantitative Sciences Unit,

Biomedical Informatics Research Division, Stanford University School of Medicine, Stanford, CA, United States, <sup>7</sup>Fiocruz Mato Grosso do Sul, Fundação Oswaldo Cruz, Campo Grande, Brazil, <sup>8</sup>Department Paediatrics, The Aga Khan University, Karachi, Pakistan

### LB-9323

#### Undernutrition and Serological Response to COVID-19 Vaccination in Pakistani Adolescents: Insights from an Immunized Cohort

**Junaid Iqbal**, KEHKASHAN BEGUM, Sajid Soofi, Rabia Zuberi, farheen ahtab, Zehra Jamil  
The Aga Khan University, Karachi, Pakistan

### LB-9324

#### A modeling analysis to assess post-pandemic COVID-19 isolation guidance in community settings using viral load and estimated symptom improvement times

**Chirag K. Kumar**<sup>1</sup>, Eric Q. Mooring<sup>1</sup>, Alexandra Mellis<sup>2</sup>, Sarah E. Smith-Jeffcoat<sup>2</sup>, Majerle Reeves<sup>3</sup>, Christopher Valleau<sup>1</sup>, Alexandre Zajic<sup>1</sup>, Sujun Reddy<sup>3</sup>, Melissa S. Stockwell<sup>4</sup>, Huong Nguyen<sup>5</sup>, Yvonne Maldonado<sup>6</sup>, Karen Lutrick<sup>7</sup>, Katherine D. Ellingson<sup>8</sup>, Suchitra Rao<sup>9</sup>, Edwin Asturias<sup>9</sup>, Jonathan Schmitz<sup>10</sup>, Mehl Suthar<sup>11</sup>, Natalie Bowman<sup>12</sup>, Yasin Abul<sup>13</sup>, Stefan Gravenstein<sup>13</sup>, Scott Fridkin<sup>14</sup>, Paulina Rebolledo<sup>11</sup>, Jon P. Furano<sup>15</sup>, Christopher J. Crnich<sup>16</sup>, Jennifer Meece<sup>5</sup>, Tiffany G. Harris<sup>17</sup>, Thomas Fabrizio<sup>18</sup>, Richard Webby<sup>18</sup>, Jessica M. Healy<sup>3</sup>, Jennifer L. Harcourt<sup>2</sup>, Hannah Kirking<sup>2</sup>, Matthew Biggerstaff<sup>2</sup>, Rachel B. Slayton<sup>3</sup>, Morgan Katz<sup>19</sup>, Carlos Grijalva<sup>10</sup>, Keipp Talbot<sup>10</sup>, Beau B. Bruce<sup>1</sup>, Guido Espana<sup>1</sup>

<sup>1</sup>Center for Forecasting and Outbreak Analytics, Centers for Disease Control and Prevention, Washington, DC, United States, <sup>2</sup>National Center for Immunization and Respiratory Diseases, Centers for Disease Control and Prevention, Atlanta, GA, United States, <sup>3</sup>National Center for Emerging and Zoonotic Infectious Diseases, Centers for Disease Control and Prevention, Atlanta, GA, United States, <sup>4</sup>Vagelos College of Physicians and Surgeons, Columbia University, New York, NY, United States, <sup>5</sup>Marshfield Clinic Research Institute, Marshfield, WI, United States, <sup>6</sup>School of Medicine, Stanford University, Palo Alto, CA, United States, <sup>7</sup>College of Medicine, University of Arizona, Tucson, AZ, United States, <sup>8</sup>College of Public Health, University of Arizona, Tucson, AZ, United States, <sup>9</sup>School of Medicine, University of Colorado, Aurora, CO, United States, <sup>10</sup>Vanderbilt University Medical Center, Vanderbilt University, Nashville, TN, United States, <sup>11</sup>School of Medicine, Emory University, Atlanta, GA, United States, <sup>12</sup>School of Medicine, University of North Carolina at Chapel Hill, Chapel Hill, NC, United States, <sup>13</sup>Warren Alpert Medical School, Brown University, Providence, RI, United States, <sup>14</sup>Rollins School of Public Health, Emory University, Atlanta, GA, United States, <sup>15</sup>College of Pharmacy, Oregon State University, Corvallis, OR, United States, <sup>16</sup>School of Medicine and Public Health, University of Wisconsin at Madison, Madison, WI, United States, <sup>17</sup>Mailman School of Public Health, Columbia University, New York, NY, United States, <sup>18</sup>St Jude's Children Hospital, Memphis, TN, United States, <sup>19</sup>Johns Hopkins University School of Medicine, Johns Hopkins University, Baltimore, MD, United States



**Poster Session B Presentations**

*Friday, November 15, Noon - 1:45 pm*

*Convention Center – Hall I-1 (1<sup>st</sup> Floor)*

**LB-9325**

**Quality Improvement Mentorship to improve COVID-19 Antigen Rapid Testing (AgRDT) across eight targeted States, Nigeria**

**Elizabeth B. Adedire**<sup>1</sup>, Moreen Kamateeka<sup>1</sup>, Catherine Okoi<sup>2</sup>, Celestine Ameh<sup>1</sup>, Adesuyi Omoare<sup>2</sup>, Patrick M. Nguku<sup>1</sup>

<sup>1</sup>*African Field Epidemiology Network, Abuja, Nigeria,* <sup>2</sup>*Nigeria Center for Disease Control, Abuja, FCT, Nigeria*

**LB-9326**

**Impact of long COVID-19 causing symptoms of anxiety and depression in participants of the Sentinel Enhanced Dengue Surveillance System (SEDSS), Puerto Rico during the period from 2020 to 2022.**

**Lorrene Rivera Ortiz**, Vanessa Rivera-Amill, Robert Rodriguez-Gonzalez  
*Ponce Health Sciences University, Ponce, PR, United States*

## Poster Session 120

### Poster Session C Presentations

Saturday, November 16, 11 a.m. - 12:45 pm

Convention Center – Hall I-1 (1<sup>st</sup> Floor)

#### Late-Breakers in Basic Sciences

Basic Sciences - Arthropods/Entomology .....	#LB-9334 through LB-9347
Basic Sciences - Kinetoplastida and Other Protozoa .....	#LB-9348 through LB-9350
Basic Sciences – Malaria .....	#LB-9351 through LB-9375
Basic Sciences – Molecular Parasitology .....	#LB-9376 through LB-9382
Basic Sciences - Viruses (all other viruses) .....	#LB-9383 through LB-9396

#### Late-Breakers in Clinical and Applied Sciences

Clinical and Applied Sciences - Arthropods/Entomology .....	#LB-9397 through LB-9407
Clinical and Applied Sciences – Global Health .....	#LB-9408 through LB-9423
Clinical and Applied Sciences - Malaria .....	#LB-9424 through LB-9460
Clinical and Applied Sciences - Measures for Control and Elimination of Neglected Tropical Diseases (NTDs) .....	#LB-9461 through LB-9472
Clinical and Applied Sciences - One Health: The Interconnection between People, Animals, Plants and Their Shared Environment .....	#LB-9473 through LB-9480
Clinical and Applied Sciences – Trematodes .....	#LB-9481 through LB-9484
Clinical and Applied Sciences - Viruses (all other viruses) .....	#LB-9485 through LB-9497

#### LB-9334

##### Measuring Receptivity in Malaria Foci in Cambodia Case-based Entomological Surveillance

**Sovannaroeth Siv**<sup>1</sup>, Chanry Im<sup>2</sup>, Arun Sivan<sup>2</sup>, Chanly Yan<sup>2</sup>, Nin Noch<sup>2</sup>, Phireak Hip<sup>2</sup>, Sokny Mao<sup>1</sup>, Tiffany Clark<sup>3</sup>, Sheila Barasa Ogoma<sup>4</sup>, John E Gimnig<sup>5</sup>, Jennefer Armistead<sup>6</sup>, Tyson Volkmann<sup>7</sup>  
<sup>1</sup>National Center for Parasitology, Entomology, and Malaria Control, Cambodia, Phnom Penh, Cambodia, <sup>2</sup>USAID PMI Cambodia, Phnom Penh, Cambodia, <sup>3</sup>Abt Global, Washington DC, MD, United States, <sup>4</sup>Abt Global, Nairobi, Kenya, <sup>5</sup>Division of Parasitic Diseases and Malaria, U.S. Centers for Disease Control and Prevention, Atlanta, GA, United States, <sup>6</sup>U.S. President's Malaria Initiative, USAID, Washington DC, WA, United States, <sup>7</sup>U.S. President's Malaria Initiative, U.S. Centers for Disease Control and Prevention, Phnom Penh, Cambodia

#### LB-9335

##### Mosquito Community and Arbovirus Surveillance in Central Oklahoma

Caio Martinelle França, **Pranav Rao**, Lillian Savage, Israel Gentry, Margaret Wojan, Aydin Read  
Southern Nazarene University, Bethany, OK, United States

#### LB-9336

##### *Anopheles nuneztovi* s.l.: an alternative tool for identification of cryptic species

**Marcia Martins dos Santos**<sup>1</sup>, Sidney dos Reis Diniz<sup>1</sup>, Fernanda Capuzo Santiago<sup>2</sup>, Daiane P. S. Mendonça<sup>2</sup>, Izis Monica Sucupira<sup>1</sup>, Marinete Marins Povoá<sup>1</sup>  
<sup>1</sup>Instituto Evandro Chagas, Ananindeua, Brazil, <sup>2</sup>Norte Energia S.A., Brasilia, Brazil

#### LB-9337

##### Towards understanding abundance and composition of high-altitude windborne mosquitoes

**Roland BAMOU**<sup>1</sup>, Mona Kafei<sup>1</sup>, Adama Dao<sup>2</sup>, Alpha Seydou Yaro<sup>2</sup>, Moussa Diallo<sup>2</sup>, Zana L. Sanogo<sup>2</sup>, Djibril Samake<sup>2</sup>, Tovi Lehmann<sup>1</sup>  
<sup>1</sup>National Institute of Health, Rockville, MD, United States, <sup>2</sup>Malaria Research and Training Center (MRTC)/Faculty of Medicine, Pharmacy and Odontostomatology, Bamako, Mali

**Poster Session C Presentations**

Saturday, November 16, 11 a.m. - 12:45 pm

Convention Center – Hall I-1 (1<sup>st</sup> Floor)

**LB-9338**

**Contrast difference in spatial distribution between *Anopheles stephensi* and native African malaria vectors along the rural urban gradients**

**Guofa Zhou**<sup>1</sup>, Xiaoming Wang<sup>1</sup>, Daibin Zhong<sup>1</sup>, Ming-Chieh Lee<sup>1</sup>, Dawit Hawaria<sup>2</sup>, Teshome Degefa<sup>3</sup>, Delenasaw Yewhalaw<sup>3</sup>, Guiyun Yan<sup>1</sup>  
<sup>1</sup>University of California at Irvine, Irvine, CA, United States, <sup>2</sup>Hawassa University, Hawassa, Ethiopia, <sup>3</sup>Jimma University, Jimma, Ethiopia

**LB-9339**

**Small RNA Dynamics in Mosquitoes: Insights into Transgene Recognition and Regulation.**

**Winston Ihemeremadu**  
University of North Texas, Garland, TX, United States

**LB-9340**

**ENTOMOLOGICAL DRIVERS OF MALARIA TRANSMISSION ONE YEAR AFTER IRS AND THREE YEARS AFTER ITN DISTRIBUTION IN BURKINA FASO, WEST AFRICA**

**Diloma Dieudonné SOMA**<sup>1</sup>, Aristide Hien<sup>2</sup>, Samina Maiga<sup>2</sup>, Rabila Bamogo<sup>2</sup>, Didier Kabore<sup>2</sup>, Mame Birame Diouf<sup>3</sup>, Ogoma Barasa Sheila<sup>4</sup>, Belemvire Allison<sup>5</sup>, Djenam Jacob<sup>4</sup>, Tiécoura Camara<sup>6</sup>, Roch K. Dabire<sup>2</sup>  
<sup>1</sup>IRSS/UNB, Bobo-Dioulasso, Burkina Faso, <sup>2</sup>IRSS, Bobo-Dioulasso, Burkina Faso, <sup>3</sup>US President's Malaria Initiative, US Agency for International Development, Ouagadougou, Burkina Faso, <sup>4</sup>PMI VectorLink Project, Abt Associates Inc, Rockville, Maryland, MD, United States, <sup>5</sup>US President's Malaria Initiative, US Agency for International Development, Washington, WA, United States, <sup>6</sup>Secretariat Permanent pour le Paludisme SP-Palu (NMCP), Ouagadougou, Burkina Faso

**LB-9341**

**Experimentally introduced cues were not sufficient to alter entomological risk for Lyme disease in field trials**

**Theodore V. Black**, Brian Leydet  
SUNY ESF, Syracuse, NY, United States

**LB-9342**

**Temperature and diurnal temperature range influence *Culex tarsalis* vector competence for West Nile Virus**

**Laura Multini**<sup>1</sup>, Daniel Hartman<sup>2</sup>, Jared Skrotzki<sup>1</sup>, Gregory Ebel<sup>3</sup>, Courtney Murdock<sup>1</sup>  
<sup>1</sup>Cornell University, Ithaca, NY, United States, <sup>2</sup>Centers for Disease Control and Prevention, Atlanta, GA, United States, <sup>3</sup>Colorado State University, Fort Collins, CO, United States

**LB-9343**

**Landscape structure of bacterial and fungal community composition in the West Nile virus vector *Culex tarsalis***

**Eunho Suh**, Travis van Warmerdam, Jason Rasgon  
Penn State University, University Park, PA, United States

**LB-9344**

**REDUCED SUSCEPTIBILITY OF *ANOPHELES GAMBIAE* S.L. TO CHLORFENAPYR AND CLOTHIANIDIN COULD COMPROMISE MALARIA VECTOR CONTROL EFFORT IN BURKINA FASO**

**Roch K. Dabire**<sup>1</sup>, Diloma Dieudonné Soma<sup>2</sup>, Aristide Hien<sup>1</sup>, Samina Maiga<sup>1</sup>, Rabila Bamogo<sup>1</sup>, Didier Kabore<sup>1</sup>, Mame Birame Diouf<sup>3</sup>, Ogoma Barasa Sheila<sup>4</sup>, Belemvire Allison<sup>5</sup>, Djenam Jacob<sup>4</sup>, Christian Kompaore<sup>6</sup>, Alphonse Traore<sup>6</sup>  
<sup>1</sup>IRSS, Bobo-Dioulasso, Burkina Faso, <sup>2</sup>IRSS/UNB, Bobo-Dioulasso, Burkina Faso, <sup>3</sup>US President's Malaria Initiative, US Agency for International Development, Ouagadougou, Burkina Faso, <sup>4</sup>PMI VectorLink Project, Abt Associates Inc, Rockville, Maryland, MD, United States, <sup>5</sup>US President's Malaria Initiative, US Agency for International Development, Washington, WA, United States, <sup>6</sup>Secretariat Permanent pour le Paludisme SP-Palu (NMCP), Ouagadougou, Burkina Faso

**LB-9345**

**Esterase-Mediated Pyrethroid Resistance in Invasive *Anopheles stephensi***

**Daibin Zhong**<sup>1</sup>, Teshome Degefa<sup>2</sup>, Guofa Zhou<sup>1</sup>, Ming-Chieh Lee<sup>1</sup>, Xiaoming Wang<sup>1</sup>, Delenasaw Yewhalaw<sup>2</sup>, Guiyun Yan<sup>1</sup>  
<sup>1</sup>University of California at Irvine, Irvine, CA, United States, <sup>2</sup>Jimma University, Jimma, Ethiopia

**LB-9346**

**Virus quantity in West Nile virus positive mosquito pools is associated with human cases.**

Ian Marchinton, **Joseph R. Fauver**  
University of Nebraska Medical Center, Omaha, NE, United States

**Poster Session C Presentations**

Saturday, November 16, 11 a.m. - 12:45 pm

Convention Center – Hall I-1 (1<sup>st</sup> Floor)

**LB-9347**

**Longitudinal analysis of anti-*Aedes aegypti* salivary antibody dynamics**

**Laura Willen**<sup>1</sup>, Niel Hens<sup>2</sup>, Somnang Man<sup>3</sup>, Piseth Ly<sup>3</sup>, Sophana Chea<sup>3</sup>, Ratanak Sath<sup>3</sup>, Sokna Ly<sup>3</sup>, Chanthap Lon<sup>3</sup>, Sreyngim Lay<sup>3</sup>, Sreynik Nhek<sup>3</sup>, Mengheng Oum<sup>3</sup>, Rekol Huy<sup>4</sup>, Rithea Leang<sup>4</sup>, Chea Huch<sup>4</sup>, Hok Kry<sup>4</sup>, Jessica Manning<sup>1</sup>, Christina Yek<sup>1</sup>, Fabiano Oliveira<sup>1</sup>  
<sup>1</sup>National Institutes of Health, Rockville, MD, United States, <sup>2</sup>University of Antwerp, Antwerp, Belgium, <sup>3</sup>International Center of Excellence in Research, Phnom Penh, Cambodia, <sup>4</sup>Cambodia Ministry of Health, Phnom Penh, Cambodia

**LB-9348**

***Mycoplasma hominis* confers protection to *Trichomonas vaginalis* during Neutrophil induced NETosis**

**Emma L. Betts**, Kelly Yun, Yu Chen, Patricia J. Johnson  
UCLA, Los Angeles, CA, United States

**LB-9349**

**The effect of pH and the symbiont *Mycoplasma hominis* on the interaction of the parasite *Trichomonas vaginalis* with host cells**

**Samira Elikae**, Sandip K. Mukherjee, Emma L. Betts, Patricia J. Johnson  
University of California, Los Angeles, LOS ANGELES, CA, United States

**LB-9350**

**THE IMPACT OF TRYPANOSOMA CRUZI ON THE IMMUNE RESPONSE IN THE NON-PREGNANT FEMALE REPRODUCTIVE SYSTEM**

**Maria Clara Duque-Ramirez**, Kathryn M. Jones  
Baylor College of Medicine, Houston, TX, United States

**LB-9351**

**Rapid age grading and specie identification of natural mosquitoes for malaria surveillance**

**DOREEN JOSEN SIRIA**  
IFAKARA HEALTH INSTITUTE, MOROGORO, Tanzania, United Republic of

**LB-9352**

**Investigating VAR2CSA antibodies previously identified as protective against placental malaria in Papua New Guinea and their associations with foetal and maternal outcomes in a cohort from Malawi**

**Elizabeth Aitken**<sup>1</sup>, Wina Hasang<sup>1</sup>, Kwok Zi Rou<sup>2</sup>, Akachukwu Onwuka<sup>1</sup>, Yvonne Dube<sup>1</sup>, Niamh Meagher<sup>1</sup>, Mwayiwawo Madanitsa<sup>3</sup>, Victor Mwapasa<sup>4</sup>, Kamija Phiri<sup>4</sup>, Amy Chung<sup>1</sup>, Feiko O ter Kuile<sup>5</sup>, Stephen Rogerson<sup>1</sup>  
<sup>1</sup>The Peter Doherty Institute for Infection and Immunity, University of Melbourne, Melbourne, Australia, <sup>2</sup>Nanyang Technological University, Singapore, Singapore, <sup>3</sup>Malawi University of Science and Technology, Thyolo, Malawi, <sup>4</sup>Kamuzu University of Health Sciences, Blantyre, Malawi, <sup>5</sup>Liverpool School of Tropical Medicine, Liverpool, United Kingdom

**LB-9353**

**Novel Antitubulin Compounds Targeting Multistage *Plasmodium* Development: A Promising Approach For Malaria Therapeutics**

**Roberto G. Díaz-González**<sup>1</sup>, Sergio Ramos-Varela<sup>2</sup>, Emilee E. Colón-Lorenzo<sup>1</sup>, Alison Roth<sup>3</sup>, Joel Vega-Rodríguez<sup>4</sup>, Rafael Peláez<sup>2</sup>, Adelfa E. Serrano<sup>1</sup>  
<sup>1</sup>University of Puerto Rico-School of Medicine, San Juan, PR, United States, <sup>2</sup>University of Salamanca, Salamanca, Spain, <sup>3</sup>Walter Reed Army Institute of Research, Silver Spring, MD, United States, <sup>4</sup>National Institute of Allergy and Infectious Diseases, Rockville, MD, United States

**LB-9354**

**Identifying the targets of protective immunity to severe falciparum malaria**

Brajesh Singh<sup>1</sup>, Tanbir Najrana<sup>1</sup>, Hannah Wu<sup>1</sup>, Sunthorn Pond-Tor<sup>1</sup>, Rim Fawaz<sup>1</sup>, Alan Ardito<sup>1</sup>, Kanika Men<sup>1</sup>, John Michael Ong'echa<sup>1</sup>, Chandy John<sup>2</sup>, **Jonathan D. Kurtis**<sup>1</sup>  
<sup>1</sup>Brown University, Providence, RI, United States, <sup>2</sup>Indiana University, Indianapolis, IN, United States

**LB-9355**

**Assessing the Democratic Republic of the Congo's malaria monitoring and evaluation system using the Monitoring and Evaluation Capacity Assessment Toolkit (MECAT)**

**Bruno Kapinga**<sup>1</sup>, Yves Ilunga<sup>1</sup>, Erick Tshikamba<sup>2</sup>, Eric Mukomena<sup>3</sup>, Hyacinthe Kaseya<sup>3</sup>, Packy Mbayo<sup>3</sup>  
<sup>1</sup>Country Health Information Systems and Data Use (CHISU) Program, Kinshasa, Congo, Democratic Republic of the, <sup>2</sup>U.S. President's Malaria Initiative, USAID, Kinshasa, Congo, Democratic Republic of the, <sup>3</sup>National Malaria Control Program (NMCP), Kinshasa, Congo, Democratic Republic of the

**Poster Session C Presentations**

Saturday, November 16, 11 a.m. - 12:45 pm

Convention Center – Hall I-1 (1<sup>st</sup> Floor)**LB-9356****Functional assessment of RAP domain containing protein family members in *Plasmodium falciparum***

**Suyash Bhatnagar**, Riëtte Van Biljon, Heather J. Painter  
*US Food and Drug Administration, Silver Spring, MD, United States*

**LB-9357****Optimizing protocols and strategies for the measurement of antimalarial drug levels using ELISA-based methods**

**Amel O. A. Ahmed**, Shamim Mohammad, Biniam Hagos, Maha Amer, Sujatha Rashid, Rebecca Bradford, Robert E. Molestina  
*American Type Culture Collection, Manassas, VA, United States*

**LB-9358****Experiences from Expansion of Malaria Community Case Management and Surveillance in Zambia**

**JAPHET CHIWAULA**<sup>1</sup>, Stephen Bwalya<sup>1</sup>, Chris Lungu<sup>2</sup>, Ignatius Banda<sup>1</sup>, Mercy Mwanza<sup>1</sup>, Jacob Chirwa<sup>1</sup>, Donald Mukumbuta<sup>1</sup>, Dingani Chinula<sup>3</sup>, Sampa Chitambala<sup>1</sup>, John Banda<sup>1</sup>, Busiku Hamainza<sup>1</sup>  
<sup>1</sup>Ministry of Health-Malaria Elimination Programme, Lusaka, Zambia, <sup>2</sup>PATH MACEPA, Lusaka, Zambia, <sup>3</sup>USAID-Evidence for Health, Lusaka, Zambia

**LB-9359****Impact of mass drug administration (MDA) with Dihydroartemisinin piperaquine during Ebola virus disease outbreak on malaria morbidity and mortality in Uganda.**

**Anthony Nuwa**  
*Malaria Consortium, Kampala, Uganda*

**LB-9360****IFN- $\gamma$ -dependent Innate Immune State Generated by Viral Vector Leads to Increased IL-12 and Effector T cells upon Malaria Challenge**

**Komi Gbedande**<sup>1</sup>, Mark J. Endrino<sup>1</sup>, Samad A. Ibitokou<sup>2</sup>, Monique L. Ong<sup>3</sup>, Peter Fleming<sup>3</sup>, George S. Yap<sup>1</sup>, Mariapia A. Degli-Esposti<sup>4</sup>, Michael G. Brown<sup>5</sup>, Robin Stephens<sup>1</sup>

<sup>1</sup>Rutgers New Jersey Medical School, Newark, NJ, United States, <sup>2</sup>Department of Internal Medicine, Division of Infectious Diseases, University of Texas Medical Branch, Galveston, TX, United States, <sup>3</sup>Centre for Experimental Immunology, Lions Eye Institute, Nedlands, Western Australia, Australia, <sup>4</sup>Infection and Immunity Program and Department of Microbiology, Biomedicine Discovery Institute, Monash University, Clayton, Victoria, Australia, <sup>5</sup>Department of Medicine, Division of Nephrology, and the Beirne B. Carter Center for Immunology Research, University of Virginia, Charlottesville, VA, United States

**LB-9361****HUMAN BEHAVIOR DETERMINANTS OF EXPOSURE TO MALARIA VECTORS ANOPHELES GAMBIAE S.L. DURING DUAL ACTIVE INGREDIENTS AND PBO-BASED INSECTICIDE-TREATED NETS USE IN BURKINA FASO**

**Aristide Hien**<sup>1</sup>, Diloma Dieudonné Soma<sup>2</sup>, Samina Maiga<sup>1</sup>, Rabila Bamogo<sup>1</sup>, Didier Kabore<sup>1</sup>, Ogoma Barasa Sheila<sup>3</sup>, Mame Birame Diouf<sup>4</sup>, Belemvire Allison<sup>5</sup>, Djenam Jacob<sup>3</sup>, Tiécoura Camara<sup>6</sup>, Roch K. Dabire<sup>1</sup>  
<sup>1</sup>IRSS, Bobo-Dioulasso, Burkina Faso, <sup>2</sup>IRSS/UNB, Bobo-Dioulasso, Burkina Faso, <sup>3</sup>PMI VectorLink Project, Abt Associates Inc, Rockville, Maryland, MD, United States, <sup>4</sup>US President's Malaria Initiative, US Agency for International Development, Ouagadougou, Burkina Faso, <sup>5</sup>US President's Malaria Initiative, US Agency for International Development, Washington, WA, United States, <sup>6</sup>Secrétariat Permanent pour le Paludisme SP-Palu (NMCP), Ouagadougou, Burkina Faso

**LB-9362****Genetic analysis of malaria infections among febrile patients in Erer Gota, Ethiopia, 2023-2024.**

**Tamar E. Carter**<sup>1</sup>, Grace Fischer<sup>1</sup>, Elizabeth Waymire<sup>1</sup>, Solomon Abay<sup>2</sup>, Solomon Yared<sup>3</sup>  
<sup>1</sup>Baylor University, Waco, TX, United States, <sup>2</sup>Addis Ababa University, Addis Ababa, Ethiopia, <sup>3</sup>Jigjiga University, Jigjiga, Ethiopia

**LB-9363****Impact of natural exposure to *P. falciparum* on IgG responses against a panel of malaria vaccine candidate antigens in children with uncomplicated malaria episodes in the Banfora health district, Burkina Faso**

**Sem EZINMEGNON**, Daouda Ouattara, Vivien Sawadogo, Amidou Diarra, Amidou Z Ouédraogo, Alphonse Ouedraogo, Alfred B Tiono, Issa Nébié, Sodiomon B Sirima  
*Groupe de Recherche Action en Santé, Ouagadougou, Burkina Faso*

**Poster Session C Presentations**

Saturday, November 16, 11 a.m. - 12:45 pm

Convention Center – Hall I-1 (1<sup>st</sup> Floor)

**LB-9364**

**Genetic diversity and population structure of *Plasmodium vivax* Pv47 is consistent with natural selection by different mosquito vectors**

**Alvaro Molina-Cruz**<sup>1</sup>, Ankit Dwivedi<sup>2</sup>, Trenzen Torres<sup>1</sup>, Nadia Raytselis<sup>1</sup>, Micah Young<sup>1</sup>, Colton McNinch<sup>1</sup>, Lilia Gonzalez-Ceron<sup>3</sup>, Xinzhuan Su<sup>1</sup>, Anthony Ford<sup>4</sup>, Marcelo Ferreira<sup>5</sup>, Miriam Arevalo-Herrera<sup>6</sup>, Socrates Herrera<sup>6</sup>, Eugenia Lo<sup>7</sup>, Joanna Carneiro da Silva<sup>8</sup>, Carolina Barillas-Mury<sup>1</sup>  
<sup>1</sup>NIH, Rockville, MD, United States, <sup>2</sup>U. Maryland School of Medicine, Baltimore, MD, United States, <sup>3</sup>Instituto Nacional de Salud Pública, Chiapas, Mexico, <sup>4</sup>U of Carolina, Charlotte, NC, United States, <sup>5</sup>University of Sao Paulo, Sao Paulo, Brazil, <sup>6</sup>INMUNO, Cali, Colombia, <sup>7</sup>U of North Carolina, Charlotte, NC, United States, <sup>8</sup>U Maryland, Baltimore, MD, United States

**LB-9365**

**Exploring the evolutionary interaction of sickle cell and parasite genotypes in asymptomatic malaria**

**Helena D. Hopson**<sup>1</sup>, Alejandra Herbert Mainero<sup>1</sup>, Tina Nanssong<sup>2</sup>, Heejung Shim<sup>3</sup>, Sandrine E. Nsango<sup>2</sup>, Ellen M. Leffler<sup>1</sup>  
<sup>1</sup>Department of Human Genetics, University of Utah School of Medicine, Salt Lake City, UT, United States, <sup>2</sup>Malaria Research Unit, Centre Pasteur du Cameroun, Yaoundé, Cameroon, <sup>3</sup>Melbourne Integrative Genomics, University of Melbourne, Parkville, Australia

**LB-9366**

**Using Routine Data To Guide And Track Improvements In The Control Of Malaria In Pregnancy In Uganda.**

**Jane Irene Nabakooza**  
Ministry of Health, Kampala, Uganda

**LB-9367**

**Optimizing Agricultural Strategies in Western Kenya by Balancing Irrigation and Malaria Risk with Integrated Hydrologic and Malaria Models**

**Ai-Ling Jiang**, Ming-Chieh Lee, Guiyun Yan, Kuo-Lin Hsu  
University of California, Irvine, Irvine, CA, United States

**LB-9368**

**Outcome of a performance-based financing mechanism to support decentralized case-based surveillance for malaria elimination in Senegal.**

Serigne Amdy Thiam<sup>1</sup>, Youssoufa Lo<sup>2</sup>, Doudou Sene<sup>1</sup>, Ibrahima Diallo<sup>1</sup>, Matar Camara<sup>2</sup>, **Mulamuli Mpofo**<sup>3</sup>  
<sup>1</sup>National Malaria Control Programme, Ministry of Health and Social Action, Dakar, Senegal, <sup>2</sup>USAID Building Resilient Health Systems (BRHS) Project, Dakar, Senegal, <sup>3</sup>Chemonics International, Washington, DC, United States

**LB-9369**

**Evaluation of immunodominant fragments of PfGARP identified by disease-resistant children's sera for malaria vaccine**

**DIPAK KUMAR RAJ**<sup>1</sup>, Ahmad R. Shakri<sup>1</sup>, Jhasketan Badhai<sup>1</sup>, Aditya Anand<sup>1</sup>, Joonhwa Jung<sup>2</sup>, Edelyn H. Park<sup>2</sup>, Yousef Yousef Elgodamy<sup>2</sup>  
<sup>1</sup>University of South Florida, Tampa, FL, United States, <sup>2</sup>Brown University, Providence, RI, United States

**LB-9370**

**Measuring Oxidative Stress in *P. falciparum* Parasites Grown *in vitro* in Varying Oxygen Environments**

**Kevin Coffey**<sup>1</sup>, Cameron Sherlock<sup>1</sup>, Amy K. Bei<sup>2</sup>, Regina J. Cordy<sup>1</sup>  
<sup>1</sup>Wake Forest University, Winston-Salem, NC, United States, <sup>2</sup>Yale University, New Haven, CT, United States

**LB-9371**

**Identifying common features of drug resistance alleles from systematic experimental evolution in *Plasmodium falciparum***

**Daisy Chen**<sup>1</sup>, Karla P. Godinez-Macias<sup>1</sup>, Vandana Thathy<sup>2</sup>, John Okombo<sup>2</sup>, Amanda K. Lukens<sup>3</sup>, Dyann F. Wirth<sup>3</sup>, David A. Fidock<sup>2</sup>, Elizabeth A. Winzeler<sup>1</sup>  
<sup>1</sup>UC San Diego, La Jolla, CA, United States, <sup>2</sup>Columbia University, New York, NY, United States, <sup>3</sup>Broad Institute, Cambridge, MA, United States

**LB-9372**

**Type I Interferon signaling compromises optimal immunity to *Plasmodium* liver stage infection**

Aditi Kulkarni<sup>1</sup>, Allie Donlan<sup>2</sup>, Gina Jones<sup>1</sup>, Evan Newell<sup>2</sup>, **Nana K. Minkah**<sup>1</sup>  
<sup>1</sup>Seattle Children's Research Institute, Seattle, WA, United States, <sup>2</sup>Fred Hutch Cancer Center, Seattle, WA, United States

**Poster Session C Presentations**

Saturday, November 16, 11 a.m. - 12:45 pm  
Convention Center – Hall I-1 (1<sup>st</sup> Floor)

**LB-9373**

**Spatial Transcriptomics to Study Host-Pathogen Interactions in the *Plasmodium*-Infected Mouse Liver**

**Johan Ankarklev**  
Stockholm University, Stockholm, Sweden

**LB-9374**

**Single cell transcriptomics reveal transcriptional programs underlying male and female cell fate during *Plasmodium falciparum* gametocytogenesis**

**Alexis Dziedziech**, Johan Ankarklev  
Stockholm University, Stockholm, Sweden

**LB-9375**

**DINA - an Integrated Computational Resource for Exploration of Cellular Processes in Host-Responses to Infectious Diseases**

**Fredrik Barrenäs**, Johan Ankarklev  
Stockholm University, Stockholm, Sweden

**LB-9376**

**Uncovering the mechanism of action of Schistosome Paralysis Factor**

**Andres Mauricio Tibabuzo Perdomo**, Phillip A. Newmark  
Morgridge Institute for Research, Madison, WI, United States

**LB-9377**

**Establishing the *in vivo* RNA-protein interactome throughout *Plasmodium falciparum* gametocytogenesis**

**Megan Gliozzi**, Heather Painter  
U.S. Food and Drug Administration, Silver Spring, MD, United States

**LB-9378**

**Polyphosphate Metabolism in *Plasmodium falciparum***

**Ikechukwu Nwankwo**, Hangjun Ke  
Drexel University College of Medicine, Philadelphia, PA, United States

**LB-9379**

**MOLECULAR SURVEILLANCE OF ANTIMALARIAL DRUG RESISTANCE IN A PERI-URBAN SENTINEL SITE IN GABON FROM 2021 TO 2023**

**Jacques Mari Ndong Ngomo**<sup>1</sup>, Karamoko Niaré<sup>2</sup>, Joel Tobie Ndong Mouity<sup>1</sup>, Alec Leonetti<sup>2</sup>, Dimitri Moussavou Mabika<sup>1</sup>, Coella Mihindou<sup>1</sup>, Marie Karine Bouyou-Akotet<sup>1</sup>, Denise Paatricia Mawili-Mboumba<sup>1</sup>, Jeff A. Bailey<sup>3</sup>  
<sup>1</sup>Universite des Sciences de la Sante, Owendo, Gabon, <sup>2</sup>Brown University, Brown, RI, United States, <sup>3</sup>Brown university, Brown, RI, United States

**LB-9380**

**Ribosome display derived novel scFv antibody fragments with diagnostic potential and their development into both stage-specific and pan-stage critical biomarker cryptic epitopes of malaria parasites**

**Adinarayana Kunamneni**, Skye McMorris, Vijayalakshmi Kancharla, Christian Ogaugwu, Ravi Durvasula, Gupta Yash  
Mayo Clinic, Jacksonville, FL, United States

**LB-9381**

**In vitro screening of potential inhibitors targeting a putative *Cryptosporidium* transportin**

**Robert E. Molestina**<sup>1</sup>, Biniam Hagos<sup>1</sup>, Priyadarshi S. Sahu<sup>2</sup>  
<sup>1</sup>American Type Culture Collection, Manassas, VA, United States, <sup>2</sup>Medical University of the Americas, Nevis, Saint Kitts and Nevis

**LB-9382**

**The NIAID Bioinformatics Resources Centers (BRCs) for Infectious Diseases: accelerating bioinformatics for bacterial, fungal, parasite, vector, and viral infectious disease research**

**Wiriya Rutvisuttinunt**, Liliana Brown  
National Institute of Allergy and Infectious Diseases (NIAID), Bethesda, MD, United States

**Poster Session C Presentations**

Saturday, November 16, 11 a.m. - 12:45 pm

Convention Center – Hall I-1 (1<sup>st</sup> Floor)**LB-9383****A novel Non-human Primate Model of Mayaro Disease Reveals Differences in Pathogenesis and Immune Response Among Viral Genotypes**

**Swagata Kar**<sup>1</sup>, Melissa M. Hamilton<sup>1</sup>, Meredith C. Peterson<sup>1</sup>, Emily M. Webb<sup>2</sup>, Grishma Patel<sup>1</sup>, Maciel Porto<sup>1</sup>, Tatyana Orekov<sup>1</sup>, Jesse H. Erasmus<sup>3</sup>, Brad Finneyfrock<sup>1</sup>, Anthony Cook<sup>1</sup>, Albert J. Auguste<sup>4</sup>  
<sup>1</sup>BIOQUAL, Inc., Rockville, MD, United States, <sup>2</sup>Department of Entomology, College of Agriculture and Life Sciences, Fralin Life Science Institute, Virginia Polytechnic Institute and State University, Blacksburg, VA, United States, <sup>3</sup>HDT Bio, Seattle, WA, United States, <sup>4</sup>Center for Emerging, Zoonotic, and Arthropod-borne Pathogens, Virginia Polytechnic Institute and State University, Blacksburg, VA, United States

**LB-9384****Using functional traits and machine learning to inform *Alphavirus* surveillance**

**Adrian A. Castellanos**<sup>1</sup>, Kathryn A. Hanley<sup>2</sup>, Nikos Vasilakis<sup>3</sup>, Barbara A. Han<sup>1</sup>  
<sup>1</sup>Cary Institute of Ecosystem Studies, Millbrook, NY, United States, <sup>2</sup>New Mexico State University, Las Cruces, NM, United States, <sup>3</sup>University of Texas Medical Branch, Galveston, TX, United States

**LB-9385****"Who's Flying this Thing?" Investigating potential insect vectors of vesicular stomatitis virus (VSV) in its endemic region in Chiapas, Mexico.**

**Lawrence H. Zhou**<sup>1</sup>, Federico Valdez<sup>2</sup>, Irene Lopez Gonzalez<sup>3</sup>, Roberto Navarro<sup>4</sup>, Chad E. Mire<sup>5</sup>, Luis L. Rodriguez<sup>6</sup>, Kathryn A. Hanley<sup>1</sup>  
<sup>1</sup>New Mexico State University, Las Cruces, NM, United States, <sup>2</sup>Foreign Animal Disease Research Unit, Plum Island Animal Disease Center, Agricultural Research Service, US Department of Agriculture, Greenport, NY, United States, <sup>3</sup>Servicio Nacional de Sanidad, Inocuidad y Calidad Agroalimentaria, Tuxtla Gutierrez, Mexico, <sup>4</sup>Comisión México-Estados Unidos para la Prevención de la Fiebre Aftosa y otras Enfermedades Exóticas de los Animales, Ciudad de Mexico, Mexico, <sup>5</sup>United States Department of Agriculture, Agricultural Research Services, National Bio and Agro-defense Facility, Foreign Arthropod-Borne Animal Diseases Research Unit, Manhattan, KS, United States, <sup>6</sup>Foreign Animal Disease Research Unit, Plum Island Animal Disease Center, Agricultural Research Service, Greenport, NY, United States

**LB-9386****The Seroprevalence of Dengue-1-4, Zika, Yellow Fever and West Nile Viruses in Senegal, West Africa****Sebastian Gallon**

Rutgers University, New Brunswick, NJ, United States

**LB-9387****Ex Vivo Dengue Virus Immune Complex Formation Induces NETs Release**

**Dorca Estefanía Marcano Jiménez**<sup>1</sup>, Paola Flores Perez<sup>1</sup>, Andrea Rivera Torres<sup>1</sup>, Rachel Rodríguez<sup>1</sup>, Kiana Allen<sup>2</sup>, Jeffrey R. Strich<sup>2</sup>, William Messer<sup>3</sup>, Vanessa Rivera Amill<sup>1</sup>, Marcos Ramos Benítez<sup>1</sup>  
<sup>1</sup>Ponce Health Sciences University, Ponce, PR, United States, <sup>2</sup>National Institute of Health, Bethesda, MD, United States, <sup>3</sup>Oregon Health & Science University, Portland, OR, United States

**LB-9388****Multiple blood meals enhance dissemination of arboviruses in three medically-relevant mosquito genera**

Zannatul Ferdous<sup>1</sup>, Constantin Dieme<sup>2</sup>, Hannah Sproch<sup>1</sup>, Laura Kramer<sup>2</sup>, Alexander Ciota<sup>2</sup>, Doug Brackney<sup>1</sup>, **Philip Armstrong**<sup>1</sup>  
<sup>1</sup>The Connecticut Agricultural Experiment Station, New Haven, CT, United States, <sup>2</sup>Wadsworth Center, Slingerlands, NY, United States

**LB-9389****Detection and Phylogenetic Characterization of Jingmen Tick Virus in Georgian Ticks**

Julia Paoli<sup>1</sup>, **Samantha Andritsch**<sup>1</sup>, Adam Kotorashvili<sup>2</sup>, Nato Kotaria<sup>2</sup>, Gocha Golubiani<sup>2</sup>, Giorgi Kirkitadze<sup>2</sup>, Tamar Chunashvili<sup>2</sup>, Anano Shubashishvili<sup>2</sup>, Nicholas Di Paola<sup>3</sup>, Jeffery Kugelman<sup>3</sup>, Christine Hulseberg<sup>2</sup>, Brian Walker<sup>2</sup>, Thomas Musich<sup>2</sup>, Drew Reinbold-Wasson<sup>2</sup>, Carla N. Mavian<sup>1</sup>, Michael von Fricken<sup>1</sup>  
<sup>1</sup>University of Florida, Gainesville, FL, United States, <sup>2</sup>Walter Reed Army Institute of Research, Europe - Middle East, Silver Spring, MD, United States, <sup>3</sup>US Army Medical Research Institute of Infectious Disease, Fort Detrick, MD, United States

**LB-9390****Hybridization chain reaction to track the early events during dengue virus infection of *Aedes aegypti***

Godfrey Nattoh, Philip Armstrong, **Douglas E. Brackney**  
Connecticut Agricultural Experiment Station, New Haven, CT, United States



**Poster Session C Presentations**

Saturday, November 16, 11 a.m. - 12:45 pm

Convention Center – Hall I-1 (1<sup>st</sup> Floor)**LB-9391****Pre-existing yellow fever immunity delays the emergence of ZIKV-neutralizing antibodies following ZIKV vaccination**

**Vincent Dussupt**<sup>1</sup>, Samantha Townsley<sup>1</sup>, Hélène Fradin Kirshner<sup>2</sup>, Letzibeth Mendez-Rivera<sup>1</sup>, Lauren Yum<sup>1</sup>, Bonnie Slike<sup>1</sup>, Jacob E. Doria-Rose<sup>1</sup>, Sebastian Molnar<sup>1</sup>, Lauren N. Smith<sup>1</sup>, Caitlin H. Kuklis<sup>3</sup>, Annika Schmid<sup>1</sup>, Lily Metzger<sup>1</sup>, Erin Kavusak<sup>1</sup>, Sam Lieberman<sup>1</sup>, Robert Clifford<sup>1</sup>, Gautam Kundu<sup>1</sup>, Aviva Geretz<sup>1</sup>, Rafael A. De La Barrera<sup>4</sup>, James D. Brien<sup>5</sup>, Michael K. McCracken<sup>3</sup>, Gregory D. Gromowski<sup>3</sup>, Rasmus Thomas<sup>1</sup>, Kevin Wiehe<sup>2</sup>, Nelson L. Michael<sup>6</sup>, Natalie D. Collins<sup>3</sup>, Shelly J. Krebs<sup>1</sup>

<sup>1</sup>U.S. Military HIV Research Program, CIDR, Walter Reed Army Institute of Research, Silver Spring, MD, United States, <sup>2</sup>Human Vaccine Institute, Duke University, Durham, NC, United States, <sup>3</sup>Viral Diseases Program, CIDR, Walter Reed Army Institute of Research, Silver Spring, MD, United States, <sup>4</sup>Pilot Bioproduction Facility, Walter Reed Army Institute of Research, Silver Spring, MD, United States, <sup>5</sup>Microbiology, Immunology, and Molecular Genetics, University of Kentucky, Lexington, KY, United States, <sup>6</sup>Center for Infectious Diseases Research, Walter Reed Army Institute of Research, Silver Spring, MD, United States

**LB-9392****Immune Mechanisms Influencing CYD-TDV Efficacy in a DENV Pre-Immune Puerto Rican Pediatric Cohort**

**Ashley González-López**<sup>1</sup>, Fabiola A. Rodríguez-Alvarado<sup>1</sup>, Paola Flores-Pérez<sup>1</sup>, Courtney Micheletti<sup>2</sup>, Rachel Rodríguez<sup>1</sup>, William B. Messer<sup>2</sup>, Vanessa Rivera-Amill<sup>1</sup>

<sup>1</sup>Ponce Health Sciences University, Ponce, PR, United States, <sup>2</sup>Oregon Health Sciences University, Portland, OR, United States

**LB-9393****Zika Virus-like Particle Vaccine Protects Against Stillbirth in an Early Pregnancy-Loss Rhesus Macaque Model of Zika Virus Infection**

**Hannah Jaeger**<sup>1</sup>, Jessica Smith<sup>1</sup>, Christopher J. Parkins<sup>1</sup>, Olivia Hagen<sup>2</sup>, Lydia J. Pung<sup>1</sup>, Micheal Denton<sup>1</sup>, Whitney Weber<sup>1</sup>, Samuel Medica<sup>1</sup>, Craig N. Kreklywich<sup>1</sup>, Jamie O. Lo<sup>3</sup>, Victoria HJ Roberts<sup>2</sup>, Daniel N. Streblov<sup>1</sup>, Alec J. Hirsch<sup>1</sup>

<sup>1</sup>Vaccine and Gene Therapy Institute, Oregon Health and Science University, Beaverton, OR, United States, <sup>2</sup>Oregon National Primate Research Center, Oregon Health and Science University, Beaverton, OR, United States, <sup>3</sup>Department of Obstetrics &

Gynecology, Oregon Health and Science University, Portland, OR, United States

**LB-9394****Evaluating Long-Term Dengue Immunity and Flavivirus Cross-Reactivity in a Puerto Rican Endemic Cohort Amidst a 2024 Dengue Epidemic**

**Fabiola Angelise Rodríguez-Alvarado**<sup>1</sup>, Paola N. Flores-Pérez<sup>1</sup>, Ashley González<sup>1</sup>, Courtney Micheletti<sup>2</sup>, Rachel M. Rodriguez<sup>1</sup>, William Messer<sup>2</sup>, Vanessa Rivera-Amill<sup>1</sup>

<sup>1</sup>Ponce Health Sciences University, Ponce, Puerto Rico, <sup>2</sup>Oregon Health Sciences University, Portland, OR, United States

**LB-9395****West Nile virus in Kansas, U.S.A. 2002 - 2022**

**Stephen Higgs**, Susan M. Hettenbach, Dana L. Vanlandingham

Kansas State University, Manhattan, KS, United States

**LB-9396****Arbovirus prevalence in mosquitoes across different land use habitats in The Gambia**

**Muhammed M. Camara**<sup>1</sup>, Marta Moreno<sup>2</sup>, Ebrima Jawara<sup>3</sup>, Diawo Diallo<sup>4</sup>, Harouna Soumare<sup>3</sup>, Gillian Eastwood<sup>1</sup>

<sup>1</sup>Virginia Polytechnic Institute and State University, Blacksburg, VA, United States, <sup>2</sup>London School of Hygiene and Tropical Medicine, London, United Kingdom, <sup>3</sup>Medical Research Council, The Gambia at LSHTM, Fajara, Gambia, <sup>4</sup>Institut Pasteur De Dakar, Dakar, Senegal

**LB-9397****Utilizing the National Blood Donation Program for Effective Laboratory-Based Surveillance of Chikungunya, Dengue, and Lymphatic Filariasis in Six Coastal Counties of Kenya**

**Derrick Amon Ochieng**<sup>1</sup>, Michael Ofire<sup>2</sup>, Claris Onyango<sup>3</sup>, Paul Dr. Kibati<sup>4</sup>, Joseph Oloo<sup>4</sup>, Reuben Tule<sup>5</sup>, Wycliff Omondi<sup>4</sup>

<sup>1</sup>Kenya Medical Research Institute, Nairobi, Kenya, <sup>2</sup>AMREF Health Africa, Nairobi, Kenya, <sup>3</sup>African Institute of Health and Development, Nairobi, Kenya, <sup>4</sup>Ministry Of Health Division for Vector Borne Diseases (NTDs), Nairobi, Kenya, <sup>5</sup>Kenya Blood Transfusion Services, Nairobi, Kenya

**Poster Session C Presentations**

*Saturday, November 16, 11 a.m. - 12:45 pm  
Convention Center – Hall I-1 (1<sup>st</sup> Floor)*

**LB-9398**

**A Systematic Review of Mosquitoes at International Ports and Points of Entry**

**Jahmar Hewitt**, Candice Madakadze, Syed Zain Ahmad, Michael Klowak, Gregory Hawley, Aquilla Reid-John, Asal Adawi, Andrea K. Boggild  
*Tropical Disease Unit, Toronto General Hospital and University of Toronto, Toronto, ON, Canada*

**LB-9399**

**A Systematic Review of Aircraft Disinsection and Mosquitoes Aboard International Conveyances: Public Health and Health Systems Secondary Outcomes**

**Asal Adawi**, Aquilla Reid-John, Gregory Hawley, Candice Madakadze, Syed Zain Ahmad, Jahmar Hewitt, Michael Klowak, Andrea K. Boggild  
*Tropical Disease Unit, Toronto General Hospital and University of Toronto, Toronto, ON, Canada*

**LB-9400**

**Spatiotemporal patterns of Cache Valley virus mosquito vectors in Ontario, Canada from 2002-2020**

**Michele d. Bergevin**<sup>1</sup>, Victoria Ng<sup>2</sup>, Antoinette Ludwig<sup>3</sup>, Paula Menzies<sup>1</sup>, Samira Mubareka<sup>4</sup>, Katie M. Clow<sup>1</sup>  
<sup>1</sup>*Department of Population Medicine, University of Guelph, Guelph, ON, Canada*, <sup>2</sup>*Department of Population Medicine, University of Guelph*; <sup>3</sup>*National Microbiology Laboratory Branch, Public Health Agency of Canada, Guelph, ON, Canada*, <sup>4</sup>*National Microbiology Laboratory Branch, Public Health Agency of Canada, St. Hyacinthe, QC, Canada*, <sup>4</sup>*Sunnybrook Research Institute; Department of Laboratory Medicine and Pathobiology, University of Toronto, Toronto, ON, Canada*

**LB-9401**

**Integrating Machine-Based Learning Recognition Technologies to Rapidly Identify Aedes Eggs for Enhanced Public Health Surveillance**

**Elba Sofia Miriam Fridriksson**  
*University of South Carolina, Columbia, SC, United States*

**LB-9402**

**Management Implications of increasing suitability risk for West Nile Virus transmission in Florida with climate and population change**

**Sadie J. Ryan**, Catherine A. Lippi  
*University of Florida, Gainesville, FL, United States*

**LB-9403**

**Backyard behaviors among Connecticut residents encountering blacklegged ticks**

**Neeta P. Connally**  
*Western Connecticut State University, Danbury, CT, United States*

**LB-9404**

**A Case of Acute Febrile Illness accompanied by 7th and 12th Cranial Nerve Palsy due to Lyme Disease following Travel to Rural Ecuador**

Teslin Sandstrom, Kumudhavalli Kavanoor, **Olamide Egbewumi**, Judith Joshi, Ali Aunas, Sheliza Halani, Andrea K. Boggild  
*Tropical Disease Unit, Toronto General Hospital and University of Toronto, Toronto, ON, Canada*

**LB-9405**

**Vector competence of Aedes albopictus from East-Central Texas to Madariaga virus**

**Danilo de Carvalho Leandro**, Tereza Magalhaes  
*Texas A&M University, Department of Entomology, College Station, TX, United States*

**LB-9406**

**Messaging, sourcing, and dissemination practices of vector-borne educational materials in Arizona**

**Alexandria M. Renault**<sup>1</sup>, Kacey Ernst<sup>1</sup>, Mary Hayden<sup>2</sup>, Sarah Yeo<sup>3</sup>, Skyler Finucane<sup>1</sup>  
<sup>1</sup>*University of Arizona, Tucson, AZ, United States*, <sup>2</sup>*University of Colorado-Colorado Springs, Colorado Springs, CO, United States*, <sup>3</sup>*University of Arizona Cancer Center, Tucson, AZ, United States*

## Poster Session C Presentations

Saturday, November 16, 11 a.m. - 12:45 pm

Convention Center – Hall I-1 (1<sup>st</sup> Floor)

### LB-9407

#### **Baseline Characterization of Mosquito Vector Populations in Ebeye, Republic of the Marshall Islands: Implications for Arboviral Disease Control**

Tamara Buhagiar<sup>1</sup>, Saul Lozano<sup>2</sup>, Limb Hapairai<sup>1</sup>, Erylnta Chutaro<sup>3</sup>, **Anna Drexler**<sup>2</sup>  
<sup>1</sup>Pacific Island Health Officers Association, Honolulu, HI, United States, <sup>2</sup>US Centers for Disease Control and Prevention, Fort Collins, CO, United States, <sup>3</sup>Ministry of Health and Human Services, Majuro, Marshall Islands

### LB-9408

#### **Community-level risk factors for past chikungunya virus infection in Southern Thailand**

**Erica Rapheal**<sup>1</sup>, Aaron Farmer<sup>2</sup>, Sarunyou Chrusri<sup>3</sup>, Anurak Sarapap<sup>4</sup>, Prapon Dechaiset<sup>3</sup>, Pasuree Sangsupawanich<sup>3</sup>, Taweewun Hunsawong<sup>2</sup>, Sandra Mendoza Guerrero<sup>5</sup>, T Alex Perkins<sup>6</sup>, Stefan Fernandez<sup>2</sup>, Kathryn Anderson<sup>7</sup>, Steven Stoddard<sup>5</sup>, Darunee Buddhari<sup>2</sup>  
<sup>1</sup>University of Minnesota School of Public Health, Minneapolis, MN, United States, <sup>2</sup>Department of Virology, US Army Medical Directorate of the Armed Force Research Institute of Medical Sciences, Bangkok, Thailand, <sup>3</sup>Prince Songkhla University, Songkhla, Thailand, <sup>4</sup>Prince Songkla University, Songkhla, Thailand, <sup>5</sup>Clinical Strategy, Bavarian Nordic Inc, Hellerup, Denmark, <sup>6</sup>Department of Biological Sciences and Eck Institute for Global Health, University of Notre Dame, Notre Dame, IN, United States, <sup>7</sup>SUNY Upstate Medical University, Syracuse, NY, United States

### LB-9409

#### **Pharmacokinetics, Safety, and Efficacy of a New Formulation of Artemether-Lumefantrine in the Treatment of Acute Uncomplicated *Plasmodium falciparum* Malaria in Neonates/Infants <5 kg Body Weight: Primary Results From Phase 2/3 CALINA Trial**

Gildas Wounounou<sup>1</sup>, Alfred B. Tiono<sup>2</sup>, Bernhards Ogutu<sup>3</sup>, Christine Manyando<sup>4</sup>, Issaka Sagara<sup>5</sup>, Stefan Schneitter<sup>6</sup>, Quique Bassat<sup>7</sup>, Myriam El Gaaloul<sup>8</sup>, Zhiyan Qian<sup>9</sup>, Ivan Demin<sup>9</sup>, Guoqin Su<sup>10</sup>, Katalin Csermak Renner<sup>9</sup>, Marc Cousin<sup>9</sup>, **Preetam Gandhi**<sup>9</sup>, Vinay Kumar Venishetty<sup>11</sup>, Bérenger Kabore<sup>12</sup>  
<sup>1</sup>Saint Luc Hospital, Kisantu, Congo, Democratic Republic of the, <sup>2</sup>Health Research Action Group (GRAS), Ouagadougou, Burkina Faso, <sup>3</sup>Kenya Medical Research Institute, Nairobi, Kenya, <sup>4</sup>Tropical Diseases Research Centre, Ndola, Zambia, <sup>5</sup>University of Sciences, Techniques and Technologies of Bamako, Bamako, Mali, <sup>6</sup>Swiss Tropical and Public Health Institute Kreuzstrasse, Allschwil,

Switzerland, <sup>7</sup>ISGlobal, Hospital Clínic - Universitat de Barcelona, Barcelona, Spain, <sup>8</sup>Medicines for Malaria Venture, Geneva, Switzerland, <sup>9</sup>Novartis Pharma AG, Basel, Switzerland, <sup>10</sup>Novartis Pharmaceutical Corporation, East Hanover, NJ, United States, <sup>11</sup>Novartis Healthcare Private limited, Hyderabad, India, <sup>12</sup>Research Institute of Health Sciences, Clinical Research Unit of Nanoro (IRSS-CRUN), Ouagadougou, Burkina Faso

### LB-9410

#### **Health care providers' experiences and perspectives in management of children with sepsis at tertiary and non-tertiary hospitals of Bangladesh**

**Md. Fakhar Uddin**<sup>1</sup>, Akash Saha<sup>1</sup>, Nidhi Kadakia<sup>2</sup>, Md. Tanveer Faruk<sup>1</sup>, Shamsun N. Shaima<sup>1</sup>, Elleen Kim<sup>2</sup>, Kikuyo Shaw<sup>3</sup>, Nadia Sultana<sup>1</sup>, Monique Gainey<sup>4</sup>, Farzana Afroze<sup>1</sup>, Md. Jobayer Chisti<sup>1</sup>, Adam C. Levine<sup>2</sup>, Stephanie C. Garbern<sup>1</sup>, Alicia E. Genisca<sup>2</sup>  
<sup>1</sup>International Centre for Diarrheal Disease Research, Bangladesh (icddr,b), Dhaka, Bangladesh, <sup>2</sup>Warren Alpert Medical School of Brown University, Providence, RI, United States, <sup>3</sup>Brown University, Providence, RI, United States, <sup>4</sup>Virginia Tech Carilion School of Medicine, Roanoke, VA, United States

### LB-9411

#### **The role of Seasonal Malaria Chemoprevention in the effect of Azithromycin on Child Mortality**

**Elisabeth Amare Gebreegziabher**  
University of California, San Francisco, San Francisco, CA, United States

### LB-9412

#### **Comparative analysis of the utilization of best practice dehydration treatment protocols and survival of patients with acute diarrhea: a retrospective cohort study**

**Madeline Goosman**, Adam C. Levine  
The Warren Alpert Medical School of Brown University, Providence, RI, United States

### LB-9413

#### **Self-administered and portable CRISPR-based malaria diagnostic for low-resource settings**

**Dmitriy V. Zhukov**, Ayax Perez Gallegos, Thomas Miller, Naresh Menon  
Chromologic LLC, Monrovia, CA, United States

## Poster Session C Presentations

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### LB-9414

#### Improving accountability and availability of antimalarial products by triangulation of consumption and health service data at health facilities in Guinea

**Abu B. Quisia**<sup>1</sup>, Dr. Moussa Conde<sup>1</sup>, Alioune Camara<sup>2</sup>, Dr Eliane Mbounga<sup>3</sup>

<sup>1</sup>USAID Global Health Supply Chain Program Procurement and Supply Management, Conakry, Guinea, <sup>2</sup>National Malaria Control Program (NMCP), Conakry, Guinea, <sup>3</sup>USAID/President's Malaria Initiative (PMI), Conakry, Guinea

### LB-9415

#### Low-pass Whole Genome Sequencing (lp-WGS) for the Prediction of Adverse Pregnancy Outcomes (APOs)

**Waqasuddin Khan**<sup>1</sup>, Mohammad Mohsin Mannan<sup>1</sup>, Xuan Hu<sup>2</sup>, Fatima Aziz<sup>1</sup>, Adil Kalam<sup>1</sup>, Fansheng Kong<sup>2</sup>, Sehrish Munir<sup>1</sup>, Iqra Javed<sup>1</sup>, Adnan Kamran<sup>1</sup>, Nimra Qadeer<sup>1</sup>, Akram Hussain<sup>1</sup>, Furqan Kabir<sup>1</sup>, Aneeta Hotwani<sup>1</sup>, Usma Mehmood<sup>1</sup>, Javairia Khalid<sup>1</sup>, Ge Zhang<sup>2</sup>, Muhammad Imran Nisar<sup>1</sup>, Fyezah Jehan<sup>1</sup>  
<sup>1</sup>Aga Khan University, Karachi, Pakistan, <sup>2</sup>University of Cincinnati, Cincinnati, OH, United States

### LB-9416

#### Utility of a host response sepsis diagnostic assay for longitudinal monitoring in severe malaria: a case study

**Alyse Wheelock**<sup>1</sup>, Melissa Gregory<sup>1</sup>, Hannah Kibuuka<sup>2</sup>, Stephen Okello<sup>2</sup>, Nehkonti Adams<sup>3</sup>, Silvia Cermelli<sup>4</sup>, Roy F. Davis<sup>4</sup>, Thomas D. Yager<sup>4</sup>, Danielle V. Clark<sup>1</sup>, Krupa Navalkar<sup>4</sup>  
<sup>1</sup>Henry Jackson Foundation, Bethesda, MD, United States, <sup>2</sup>Makerere University Walter Reed Project, Kampala, Uganda, <sup>3</sup>Naval Medical Research Command, Falls Church, VA, United States, <sup>4</sup>Immunexpress Inc., Seattle, WA, United States

### LB-9417

#### Community concerns & decision-making about taking a new Nipah vaccine

**Shahana Parveen**<sup>1</sup>, Nazmun Nahar<sup>2</sup>, Emily S. Gurley<sup>3</sup>, Probir Kumar Ghosh<sup>1</sup>, Ishrat Jabeen<sup>1</sup>, Farhat Jahan<sup>1</sup>, Md Rifat Haidar<sup>1</sup>, Mohammad Saeed Munim<sup>1</sup>, Md. Wazed Ali<sup>1</sup>, Tahmina Shirin<sup>4</sup>, Sayera Banu<sup>1</sup>, Brian Erik Dawes<sup>5</sup>, Thomas P. Monath<sup>6</sup>, Gray Heppner<sup>6</sup>, Stephen P. Luby<sup>5</sup>  
<sup>1</sup>icddr, Dhaka, Bangladesh, <sup>2</sup>Kassel Institute for

Sustainability, University of Kassel, Kassel, Germany, <sup>3</sup>Bloomberg School of Public Health, Johns Hopkins University, Baltimore, MD, United States, <sup>4</sup>Institute of Epidemiology, Disease Control and Research (IEDCR), Bangladesh, Dhaka, Bangladesh, <sup>5</sup>Stanford University, Stanford, CA, United States, <sup>6</sup>Quigley BioPharma, LLC, Leominster, MA, United States

### LB-9418

#### Formative Research in Preparation for Community Mobilization for Dengue Reduction in the Amazonian city of Iquitos, Peru

**Valerie A. Paz-Soldan**<sup>1</sup>, Lauren Nussbaum<sup>1</sup>, Jacob Ford<sup>1</sup>, Alfonso S. Vizcarra<sup>2</sup>, Jennifer E. Ríos-Lopez<sup>2</sup>, Jhonny J. Cordova<sup>2</sup>, Amy C. Morrison<sup>3</sup>  
<sup>1</sup>Tulane University, New Orleans, LA, United States, <sup>2</sup>Asociacion Benefica Prisma, Iquitos, Peru, <sup>3</sup>University of California Davis School of Veterinary Medicine, Davis, CA, United States

### LB-9419

#### Participatory GIS Mapping for Targeted Dengue Interventions in Iquitos, Peru

**Jacob Ford**<sup>1</sup>, Valerie A. Paz-Soldan<sup>1</sup>, Arnold O. Noriega<sup>2</sup>, Amy C. Morrison<sup>3</sup>  
<sup>1</sup>Tulane University, New Orleans, LA, United States, <sup>2</sup>Asociacion Benefica Prisma, Iquitos, Peru, <sup>3</sup>University of California Davis School of Veterinary Medicine, Davis, CA, United States

### LB-9420

#### Investigating the impact of inactivating transport media on cell integrity in various pathogen classes

Venkata Sai Poojitha Koka, **Andy Wende**  
*Xpedito Diagnostics, Hallbergmoos, Germany*

### LB-9421

#### The prevalence of intestinal parasites in pediatric patients seen at the Sacre Cœur Pediatric Center in Guinea-Conakry.

**Anne M. White**<sup>1</sup>, Pépé Guilavogui<sup>2</sup>, Joel E. Mortensen<sup>3</sup>  
<sup>1</sup>University of Minnesota, Minneapolis, MN, United States, <sup>2</sup>Sacre Coeur Pediatric Center of Excellence, Dureka, Guinea, <sup>3</sup>Cincinnati Children's Hospital Medical Center, Cincinnati, OH, United States

**Poster Session C Presentations**

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**LB-9422**

**EPIDEMIOLOGICAL, CLINICAL AND ENTOMOLOGICAL ASPECTS OF LEISHMANIASIS IN NORTHWEST COLOMBIA**

**Yeiner Espitia**<sup>1</sup>, Luis F. Urango<sup>1</sup>, Matilde Rivero<sup>2</sup>, Suljei Cochero<sup>2</sup>, Eduar Bejarano<sup>2</sup>, Maria F. Yasnot-Acosta<sup>3</sup>

<sup>1</sup>GIMBIC, Universidad de Córdoba, Montería, Colombia, <sup>2</sup>Grupo de investigaciones Biomédicas, Universidad de Sucre, Sincelejo, Colombia, <sup>3</sup>GIMBIC, Universidad de Córdoba, MONTERIA, Colombia

**LB-9423**

**Determination of IgG Antibody Profile to Arboviruses Using a Multiplex Serology Panel**

**Neeraja Venkateswaran**, Jawad Sarwar, William M. Nelson, Kodumudi S. Venkateswaran  
*Tetracore, Inc., Rockville, MD, United States*

**LB-9424**

**Determinants of the adoption of intermittent preventive treatment by pregnant women in areas covered by the community component of the Global Fund Malaria project**

**Edouard C. Balogoun**<sup>1</sup>, Claude M. Gueffié<sup>1</sup>, Yssouf Ouattara<sup>1</sup>, Jacob Agnima<sup>1</sup>, Joel Koffi<sup>1</sup>, Arnaud Amoussouhoui<sup>1</sup>, Florence Kadjo<sup>1</sup>, Michel N'da-Ezoa<sup>2</sup>, Ramata Ouattara<sup>3</sup>, Muhammed Imran<sup>3</sup>, Eric A. Swedberg<sup>3</sup>

<sup>1</sup>Save the Children International, Abidjan, Côte D'Ivoire, <sup>2</sup>Université Félix Houphouët Boigny Cocody, Abidjan, Côte D'Ivoire, <sup>3</sup>Save the Children, Washington, DC, United States

**LB-9426**

**cGMP production of reprRNA-based CSP priming dose of the Prime-and-Trap Malaria vaccine for clinical phase development**

Zach MacMillen<sup>1</sup>, Kiara Hatzakis<sup>2</sup>, Adrian Simpson<sup>2</sup>, Jesse Erasmus<sup>2</sup>, Amit Khandhar<sup>2</sup>, Steve Geelhood<sup>1</sup>, Steven Reed<sup>2</sup>, JAMES W. DAVIE<sup>3</sup>, **Marion AVRIL**<sup>1</sup>  
<sup>1</sup>MalarVx, Inc, SEATTLE, WA, United States, <sup>2</sup>HDT Bio, SEATTLE, WA, United States, <sup>3</sup>MalarVx, Inc, Seattle, WA, United States

**LB-9427**

**Development of a globally-applicable, highly-multiplexed microhaplotype amplicon panel for *Plasmodium vivax***

**Alfred Hubbard**<sup>1</sup>, Edwin Solares<sup>2</sup>, Lauren Bradley<sup>3</sup>, Brook Jeang<sup>3</sup>, Delenasaw Yewhalaw<sup>4</sup>, Daniel Janies<sup>5</sup>, Eugenia Lo<sup>6</sup>, Guiyun Yan<sup>3</sup>, Elizabeth Hemming-Schroeder<sup>7</sup>

<sup>1</sup>Johns Hopkins University, Baltimore, MD, United States, <sup>2</sup>UC San Diego, San Diego, CA, United States, <sup>3</sup>UC Irvine, Irvine, CA, United States, <sup>4</sup>Jimma University, Jimma, Ethiopia, <sup>5</sup>UNC Charlotte, Charlotte, NC, United States, <sup>6</sup>Drexel University, Philadelphia, PA, United States, <sup>7</sup>Colorado State University, Fort Collins, CO, United States

**LB-9428**

**Unveiling Malaria RDT Challenges through Digitalization - Insights from the MACRA Project**

**Shawna Cooper**<sup>1</sup>, Sasha Frade<sup>1</sup>, Sam Smedinghoff<sup>1</sup>, Ahmed Ibrahim<sup>1</sup>, Rouella Mendonca<sup>1</sup>, David Hattery<sup>1</sup>, Arthur Mpimbaza<sup>2</sup>, Nelson Ssewante<sup>2</sup>, Corine Ngufor<sup>3</sup>, Idelphonse Ahogni<sup>3</sup>, William Yavo<sup>4</sup>, Konate Abibatou<sup>4</sup>, Evelyn Orya<sup>5</sup>, Ese Akpiroroh<sup>5</sup>, Kimberly Lindblade<sup>6</sup>, Michael D. Humes<sup>7</sup>, Kevin Griffith<sup>7</sup>

<sup>1</sup>Audere, Seattle, WA, United States, <sup>2</sup>CHDC, Makerere University, Kampala, Uganda, <sup>3</sup>CREC, Cotonou, Benin, <sup>4</sup>INSP, Abidjan, Côte D'Ivoire, <sup>5</sup>Sydani Group, Abuja, Nigeria, <sup>6</sup>PATH, Geneva, Switzerland, <sup>7</sup>U.S. President's Malaria Initiative, USAID, Washington, DC, United States

**LB-9429**

**False-positive Malaria Rapid Diagnostic Test due to African Tick Bite fever**

**Rahel Zewude**, Syed Zain Ahmad, Tom Joseph, Andrea K. Boggild  
*Tropical Disease Unit, Toronto General Hospital and University of Toronto, Toronto, ON, Canada*

**LB-9430**

**Aetiology, neuroradiological features, long-term neurosequelae and risk factors for mortality of febrile coma in Malawian children: A prospective cohort study**

**Stephen Ray**<sup>1</sup>, Charlotte Fuller<sup>2</sup>, Ajisa Ahmadhu<sup>3</sup>, Yamikani Chimalizeni<sup>3</sup>, David Lalloo<sup>4</sup>, Christopher Moxon<sup>5</sup>, Terrie Taylor<sup>6</sup>, Karl Seydel<sup>6</sup>, Michael J. Griffiths<sup>7</sup>

<sup>1</sup>University of Oxford, Oxford, United Kingdom, <sup>2</sup>University of Liverpool, Liverpool, United Kingdom, <sup>3</sup>University of Malawi, Malawi, Malawi, <sup>4</sup>Liverpool School of Tropical Medicine, Liverpool, United Kingdom, <sup>5</sup>University of Glasgow, Glasgow, United Kingdom, <sup>6</sup>University of Michigan, Michigan, MI, United States, <sup>7</sup>University of Sydney, Sydney, Australia

**Poster Session C Presentations**

Saturday, November 16, 11 a.m. - 12:45 pm

Convention Center – Hall I-1 (1<sup>st</sup> Floor)**LB-9431****Modeling Adaptive Intervention Strategies for Malaria Vector Control in Western Kenya**

**Ming-Chieh Lee**, Ai-Ling Jiang, Kuo-Lin Hsu, Guiyun Yan  
*University of California, Irvine, Irvine, CA, United States*

**LB-9432****IgG1 binding and IgG3 avidity associate with protection in R21/Matrix-M CHMI trials**

**Rachel L. Spreng**<sup>1</sup>, Aaron W. Deal<sup>1</sup>, Alex Carnacchi<sup>1</sup>, Sir Tauria Hilliard<sup>1</sup>, Frederick Feely II<sup>1</sup>, Amy Do<sup>1</sup>, Angelina Sharak<sup>1</sup>, Allison Schecter<sup>1</sup>, M. Umar Qureshi<sup>1</sup>, Sarah V. Mudrak<sup>1</sup>, Sheetij Dutta<sup>2</sup>, Mehreen Dattoo<sup>3</sup>, Duncan Bellamy<sup>3</sup>, Lisa Stockdale<sup>3</sup>, Adrian VS Hill<sup>3</sup>, Katie J. Ewer<sup>3</sup>, Georgia D. Tomaras<sup>1</sup>, Kelly E. Seaton<sup>1</sup>  
<sup>1</sup>*Center for Human Systems Immunology, Duke University, Durham, NC, United States*, <sup>2</sup>*Walter Reed Army Institute of Research, Silver Spring, MD, United States*, <sup>3</sup>*Jenner Institute, University of Oxford, Oxford, United Kingdom*

**LB-9433****Assessing the prevalence of *Plasmodium falciparum* infection in the rural area of Sonikegny, Kati, Mali in preparation for clinical trials of antimalarial monoclonal antibodies**

**Didier Doumtabé**<sup>1</sup>, Aissata Ongoiba<sup>1</sup>, Hamadi Traore<sup>1</sup>, Adama Djiguiba<sup>1</sup>, Anne C. Preston<sup>2</sup>, Jeff Skinner<sup>3</sup>, Safiatou Doumbo<sup>1</sup>, Abdrahamane Traore<sup>1</sup>, Dramane Diakite<sup>1</sup>, Mamoudou Konate<sup>1</sup>, Mohamed S. Keita<sup>1</sup>, Aboubacar AP Somboro<sup>1</sup>, Siriman Traore<sup>1</sup>, Abdoulaye Djimédé<sup>1</sup>, Peter D. Crompton<sup>4</sup>, Kassoum Kayentao<sup>1</sup>, Boubacar Traore<sup>1</sup>  
<sup>1</sup>*International Center For Excellence in Research, Bamako, Mali*, <sup>2</sup>*Malaria Infection Biology and Immunity Section, Laboratory of Immunogenetics, Division of Intramural Research, National Institute of Allergy and Infectious Diseases, National Institutes of Health, Rockville, MD, USA., Rockville, MD, United States*, <sup>3</sup>*Biostatistics Research Branch, Division of Clinical Research, National Institute of Allergy and Infectious Diseases, National Institutes of Health, Bethesda, MD, USA., Bethesda, MD, United States*, <sup>4</sup>*Malaria Infection Biology and Immunity Section, Laboratory of Immunogenetics, Division of Intramural Research, National Institute of Allergy and Infectious Diseases, National Institutes of Health, Rockville, MD, United States*

**LB-9434****Effects of a blood-free mosquito diet on fitness and gonotrophic cycle parameters of laboratory reared *Anopheles gambiae sensu stricto*****Faith Allan Mosi***Ifakara Health Institute, Bagamoyo, Tanzania, United Republic of***LB-9435****Health Implications of Urban Heat Islands in Tropical Cities: Differences between Indoor and Outdoor Microenvironments**

**Yusuf Jamal**<sup>1</sup>, Rajendra Baharia<sup>2</sup>, Vikas Desai<sup>3</sup>, Vijay Kohli<sup>4</sup>, Ajeet Mohanty<sup>5</sup>, Courtney C. Murdock<sup>6</sup>, Mercedes Pascual<sup>7</sup>, Rajesh Sharma<sup>4</sup>, Sachin Sharma<sup>5</sup>, Keshav Vaishnav<sup>8</sup>, Michael Wimberly<sup>1</sup>  
<sup>1</sup>*University of Oklahoma, Norman, OK, United States*, <sup>2</sup>*Indian Council of Medical Research-National Institute of Malaria Research, Gujarat, India*, <sup>3</sup>*Urban Health and Climate Resilience Center of Excellence, Surat, Gujarat, India*, <sup>4</sup>*Ahmedabad Municipal Corporation, Ahmedabad, India*, <sup>5</sup>*National Institute of Malaria Research, New Delhi, India*, <sup>6</sup>*Cornell University, Ithaca, NY, United States*, <sup>7</sup>*New York University, New York, NY, United States*, <sup>8</sup>*Surat Municipal Corporation, Surat, India*

**LB-9436****Longitudinal analysis of household responses to a novel spatial repellent for malaria prevention in Busia County, Kenya**

**Sheila Ekodir**<sup>1</sup>, Julius I. Odero<sup>1</sup>, Albert Casella<sup>2</sup>, Jane A. Ikapesi<sup>1</sup>, Moureen Ekisa<sup>1</sup>, Lucy Baker<sup>3</sup>, Eric Ochomo<sup>1</sup>, Kaci D. McCoy<sup>2</sup>, Anna Passaniti<sup>2</sup>, Samantha W. Tsang<sup>2</sup>, April Monroe<sup>2</sup>, Steven Harvey<sup>3</sup>  
<sup>1</sup>*Centre for Global Health Research, Kenya Medical Research Institute, Busia, Kenya*, <sup>2</sup>*Johns Hopkins Center for Communication Programs, Baltimore, MD, United States*, <sup>3</sup>*Johns Hopkins Bloomberg School of Public Health, Baltimore, MD, United States*

**LB-9437****Improved planning for surveillance after disease elimination: piloting the Integrated Post-Validation or Verification Surveillance (PVS) Planning Toolkit for Neglected Tropical Diseases (NTDs) in Nigeria and Senegal**

**William Sheahan**<sup>1</sup>, Abdel Direny<sup>1</sup>, Audrey Hersman<sup>1</sup>, Katie Thompson<sup>1</sup>, Bulus Mancha<sup>2</sup>, Emily Griswold<sup>3</sup>, Gregory S. Noland<sup>3</sup>, Emmanuel S. Miri<sup>2</sup>, Chukwuemeka Makata<sup>4</sup>, Okoye Chinwe<sup>4</sup>, Tidiane Thiam<sup>5</sup>, Yakou Dieye<sup>5</sup>, Ndeye Mbacke Kane<sup>6</sup>, Ngayo Sy<sup>6</sup>  
<sup>1</sup>*PATH, Seattle, WA, United States*, <sup>2</sup>*The Carter Center, Tudun Wada, Nigeria*, <sup>3</sup>*The Carter Center, Atlanta, GA, United States*, <sup>4</sup>*Federal Ministry of Health, Abuja, Nigeria*, <sup>5</sup>*PATH, Dakar, Senegal*, <sup>6</sup>*Federal Ministry of Health, Dakar, Senegal*

## Poster Session C Presentations

Saturday, November 16, 11 a.m. - 12:45 pm

Convention Center – Hall I-1 (1<sup>st</sup> Floor)

### LB-9438

#### Copy number variation analysis of *Plasmodium falciparum* chloroquine resistance transporter reveals low prevalence duplication in West Africa and Laos

Nicholas J. Hathaway<sup>1</sup>, Bryan Greenhouse  
UCSF, San Francisco, CA, United States

### LB-9439

#### Consumer and retailer perceptions about mosquito control product effectiveness and popularity in Busia County, western Kenya: Results from retail audit, free-listing, and ranking

Kaci McCoy<sup>1</sup>, Julius I. Odero<sup>2</sup>, Jane A. Ikapesi<sup>2</sup>,  
Moureen Ekisa<sup>2</sup>, Sheila Ekodir<sup>2</sup>, Eric Ochomo<sup>2</sup>,  
Samantha W. Tsang<sup>1</sup>, April Monroe<sup>1</sup>, Danielle Piccinini  
Black<sup>1</sup>, Steven Harvey<sup>3</sup>  
<sup>1</sup>Johns Hopkins Center for Communication Programs,  
Baltimore, MD, United States, <sup>2</sup>Centre for Global Health  
Research, Kenya Medical Research Institute, Busia,  
Kenya, <sup>3</sup>Johns Hopkins Bloomberg School of Public  
Health, Baltimore, MD, United States

### LB-9440

#### Methods for Evaluating the Implementation and Impact of Seasonal Malaria Chemoprevention in Semi-Nomadic Populations: A Case Study of Turkana County, Kenya

Diana Menya<sup>1</sup>, Beatrice Kirui<sup>2</sup>, Joseph Kipkoech<sup>2</sup>,  
Tabitha Jepkurgat<sup>2</sup>, George Ambani<sup>2</sup>, Emmah  
Kimachas<sup>2</sup>, Rebecca Lokwang<sup>3</sup>, Lucy Abel<sup>2</sup>, Emily  
Robie<sup>4</sup>, Wendy Prudhomme-O'Meara<sup>5</sup>  
<sup>1</sup>Moi University College of Health Sciences, School of  
Public Health, Eldoret, Kenya, <sup>2</sup>Academic Model  
Providing Access to Health Care (AMPATH), Eldoret,  
Kenya, <sup>3</sup>Duke Global Inc, Kenya, Nairobi, Kenya, <sup>4</sup>Duke  
Global Health Institute, Duke University, Durham, NC,  
United States, <sup>5</sup>Duke University School of Medicine,  
Durham, NC, United States

### LB-9441

#### Evaluation of *Plasmodium vivax* gametocyte kinetics and infectivity in sporozoite-induced *Aotus nancymae* infections and febrile patients in Peru

Laura Lorena Tapia<sup>1</sup>, Ashleigh Roberds<sup>2</sup>, Julio  
Ventocilla<sup>3</sup>, Hugo Valdivia<sup>1</sup>, Stephen Lizewski<sup>4</sup>, Christie  
Joya<sup>5</sup>, Ann Stewart<sup>2</sup>, Brandon Wilder<sup>6</sup>  
<sup>1</sup>US Naval Medical Research Unit SOUTH, Callao,

Peru, <sup>2</sup>Uniformed Services University of the Health  
Sciences, Bethesda, MD, United States, <sup>3</sup>Vysnova  
Partners Inc., Maryland, MD, United States, <sup>4</sup>Naval  
Medical Research Center, Silver Spring, MD, United  
States, <sup>5</sup>Naval Medical Center Portsmouth, Portsmouth,  
VA, United States, <sup>6</sup>Oregon Health and Science  
University, Portland, OR, United States

### LB-9442

#### Assessing the effectiveness of routine malaria data quality audits in high-burden districts: a case study in Zambia's Copperbelt Province

Prudence Musonda Malama<sup>1</sup>, Kafula Silumbe<sup>1</sup>, Chris  
Lungu<sup>1</sup>, Todd Jennings<sup>1</sup>, Maudy Lwenje<sup>2</sup>, Ignatius  
Banda<sup>3</sup>, Japhet Chiwaula<sup>3</sup>, Busiku Hamainza<sup>4</sup>, Arantxa  
Roca-Feltrer<sup>5</sup>  
<sup>1</sup>PATH Malaria Control and Elimination Partnership in  
Africa (MACEPA), Lusaka, Zambia, <sup>2</sup>Malaria Partners  
Zambia, Rotary, Lusaka, Zambia, <sup>3</sup>National Malaria  
Elimination Centre, Lusaka, Zambia, <sup>4</sup>Global  
Fund/National Malaria Control Centre, Lusaka,  
Zambia, <sup>5</sup>PATH Malaria Control and Elimination  
Partnership in Africa (MACEPA), Maputo, Mozambique

### LB-9443

#### Discrepancies between rapid diagnostic test results and test positivity rates between health facility registries and health management information systems in Cote d'Ivoire

William YAVO<sup>1</sup>, Abibatou KONATE-TOURE<sup>1</sup>, Akoua  
Valérie BEDIA-TANO<sup>1</sup>, Alerte Orphée KOUAKOU-  
KANGAH<sup>1</sup>, Anatole N'da MIAN<sup>1</sup>, Antoine Méa TANO<sup>1</sup>,  
Michael HUMES<sup>2</sup>, Kevin GRIFFITH<sup>2</sup>, Kim Lindblade<sup>3</sup>  
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Institute of Public Health, Abidjan, Côte D'Ivoire, <sup>2</sup>US  
President's Malaria Initiative, USAID, Washington DC,  
WA, United States, <sup>3</sup>PMI Insights, PATH, Geneva,  
Switzerland

### LB-9444

#### The Brazilian Atlantic Forest: Malaria, Yellow Fever and after all, the silent.

Anielle Pina-Costa<sup>1</sup>, Ricardo Lourenço-de-Oliveira<sup>2</sup>,  
Patricia Brasil<sup>2</sup>, Claudio Tadeu Daniel-Ribeiro<sup>2</sup>  
<sup>1</sup>UNIVERSIDADE FEDERAL FLUMINENSE, Niteroi,  
Brazil, <sup>2</sup>FIOCRUZ, Rio de Janeiro, Brazil

**Poster Session C Presentations**

Saturday, November 16, 11 a.m. - 12:45 pm

Convention Center – Hall I-1 (1<sup>st</sup> Floor)**LB-9445**

Dr.

**FITSUM GIRMA G. TADESSE**<sup>1</sup>, Migbaru Keffale Bezabih<sup>1</sup>, Gudissa Assefa Bayissa<sup>2</sup>, Teun Bousema<sup>3</sup>, Samuel Girma<sup>4</sup>, Natnael Lemessa<sup>1</sup><sup>1</sup>Armauer Hansen Research Institute, Addis Ababa, Ethiopia, <sup>2</sup>Ministry of Health of Ethiopia, Addis Ababa, Ethiopia, <sup>3</sup>Radboudumc, Nijmegen, Netherlands, <sup>4</sup>U.S. President's Malaria Initiative, USAID, Addis Ababa, Ethiopia**LB-9446****Anopheles species composition, Plasmodium infection rates, and SNP genotyping along the migration routes of Darien's Emberá-Wounaan Comarca**William K. Pan<sup>1</sup>, Jose R. Loaiza<sup>2</sup>, Mark M. Janko<sup>1</sup>, Perla Medrano<sup>1</sup>, Gilberto Eskildsen<sup>2</sup>, **Sara M. O'Malley**<sup>1</sup>, Jonathon J. Juliano<sup>3</sup><sup>1</sup>Duke University, Durham, NC, United States, <sup>2</sup>Centro de Biodiversidad y Descubrimiento de Drogas, Instituto de Investigaciones Científicas y Servicios de Alta Tecnología, Panama, Panama, <sup>3</sup>University of North Carolina Chapel Hill, Chapel Hill, NC, United States**LB-9447****Competency Assessment of Malaria Microscopists Towards Quality Testing for Elimination in Ghana****Alexander Asamoah**, Paul Boateng, Dora Dadzie, Keziah Malm  
National Malaria Elimination Program, Accra, Ghana**LB-9448****Evaluation of photoacoustic flow cytometry as a highly sensitive, non-invasive diagnostic for malaria infection in Cameroon****Shannon C. Duffy**<sup>1</sup>, Jack Carew<sup>1</sup>, Ndom Ndom Samy Steve Jordel<sup>2</sup>, Leonard Numfor<sup>3</sup>, Rachel Marthe Essaka Evoue<sup>4</sup>, Dora Tchiasso<sup>5</sup>, Herwin Nanda<sup>6</sup>, Mustafa Sarimollaoglu<sup>7</sup>, Yulian Menyae<sup>7</sup>, Rodrigue Ntone<sup>6</sup>, Vladimir Zharov<sup>7</sup>, Yap Boum II<sup>8</sup>, Sunil Parikh<sup>1</sup>  
<sup>1</sup>Yale School of Public Health, New Haven, CT, United States, <sup>2</sup>University of Yaoundé I, Yaoundé, Cameroon, <sup>3</sup>Clinical Research Network of Excellence for Central Africa (CANTAM), Yaoundé, Cameroon, <sup>4</sup>Laboratoire du Lac, Yaoundé, Cameroon, <sup>5</sup>University of Rey Juan Carlos, Madrid, Spain, <sup>6</sup>Home Solution for Health (HS4Health), Yaoundé, Cameroon, <sup>7</sup>CytoAstra LLC, Little Rock, AR,United States, <sup>8</sup>Institute Pasteur of Bangui, Bangui, Central African Republic**LB-9449****Antenatal care attendance, but not Intermittent Preventive Treatment uptake, was increased through enhanced antenatal clinic service delivery to improve maternal and child health in Mali****Kassoum Kassoum**<sup>1</sup>, Diawara I. Sory<sup>1</sup>, Gutman R. Julie<sup>2</sup>, Celia M. Woodfill<sup>3</sup>, Diallo Aliou<sup>4</sup>, Philippe Mutwa<sup>3</sup>, Kouambeng Celestin<sup>3</sup>, Sangare Lansana<sup>5</sup>, Saye Renion<sup>4</sup>, Diarra Samba<sup>1</sup>, Kamate Beh<sup>4</sup>, Sidibe Fatoumata<sup>4</sup>, Eckert Erin<sup>6</sup>, Niangaly Moussa<sup>1</sup>, Djimde Moussa<sup>1</sup>, Keita Mohamed<sup>1</sup>, Traore Almamy<sup>1</sup>, Ongoiba Aissata<sup>1</sup>, Niare Safiatou<sup>1</sup>, Toure Fady<sup>1</sup>, Djimde Abdoulaye<sup>1</sup>, Traore Boubacar<sup>1</sup><sup>1</sup>Malaria Research Center, USTTB, Bamako, Mali, <sup>2</sup>Malaria Branch, National Center for Emerging Zoonotic and Infectious Disease, U.S. Centers for Disease Control and Prevention, Atlanta, GA, USA, Atlanta, GA, United States, <sup>3</sup>U.S. President's Malaria Initiative, Centers for Disease Control and Prevention, Bamako, Mali, Bamako, Mali, <sup>4</sup>PMI impact Malaria Project-PSI Mali, Bamako, Mali, <sup>5</sup>U.S. President's Malaria Initiative, Centers for Disease Control and Prevention, Bamako, Mali, Bamako, Mali, <sup>6</sup>PMI impact Malaria Project-PSI Washington DC, USA, Washington, WA, United States**LB-9450****In-country nanopore sequencing identifies Plasmodium falciparum drug resistance-associated mutations in Zambia****Mulenga Mwenda**<sup>1</sup>, Brenda Mambwe<sup>1</sup>, Moonga Hawela<sup>2</sup>, Karolina Glanz<sup>3</sup>, Jacob Chirwa<sup>2</sup>, Stephen Bwalya<sup>2</sup>, Sampa Chitambala-Otiono<sup>2</sup>, Chris Drakeley<sup>4</sup>, Busiku Hamainza<sup>2</sup>, Daniel J. Bridges<sup>1</sup>, Jason A. Hendry<sup>3</sup>  
<sup>1</sup>PATH, Lusaka, Zambia, <sup>2</sup>National Malaria Elimination Centre, Lusaka, Zambia, <sup>3</sup>Max Planck Institute for Infection Biology, Berlin, Germany, <sup>4</sup>PATH/London School of Hygiene and Tropical Medicine, London, United Kingdom**LB-9451****Identification of kelch13 mutation in northern Namibia****Jennifer L. Smith**<sup>1</sup>, Maxwell Murphy<sup>1</sup>, Andres Aranda-Diaz<sup>1</sup>, Davis Mumbengegwi<sup>2</sup>, Bryan Greenhouse<sup>1</sup>  
<sup>1</sup>University of California San Francisco, San Francisco, CA, United States, <sup>2</sup>University of Namibia, Windhoek, Namibia



**Poster Session C Presentations**

Saturday, November 16, 11 a.m. - 12:45 pm

Convention Center – Hall I-1 (1<sup>st</sup> Floor)**LB-9452****A case of exposure to the antimalarial monoclonal antibody CIS43LS in pregnancy during a phase 2 trial in Kalifabougou, Mali.**

**Aissata Ongoiba**<sup>1</sup>, Kassoum Kayentao<sup>1</sup>, Didier Doumtable<sup>1</sup>, Hamadi Traore<sup>1</sup>, Adama Djiguiba<sup>1</sup>, Sara A Healy<sup>2</sup>, Alisa B Kachikis<sup>3</sup>, Anne C Peterson<sup>4</sup>, Safiatou Doumbo<sup>1</sup>, Abdrahamane Traore<sup>1</sup>, Dramane Diakite<sup>1</sup>, Mamoudou konate<sup>1</sup>, Mohamed S Keita<sup>1</sup>, Aboubacar AP Somboro<sup>1</sup>, Abdoulaye Djimde<sup>1</sup>, Robert A Seder<sup>5</sup>, Peter Crompton<sup>2</sup>, Boubacar Traore<sup>1</sup>

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**LB-9453****A comparative analysis of risk factors for malaria in school age children in high vs. low prevalence schools in mainland Tanzania**

**Agnes A. Mpinga**<sup>1</sup>, Stanslaus H. Mafung'a<sup>2</sup>, Felista Mwingira<sup>3</sup>, Bwire Wilson<sup>3</sup>, Wiggins Kyatikila<sup>3</sup>, Pendael Machafuko<sup>4</sup>, Geoffrey Makenga<sup>5</sup>, Sijenunu Aaron<sup>6</sup>, Samwel L. Nhiga<sup>6</sup>, Susan F. Rumisha<sup>7</sup>, Frank Chacky<sup>6</sup>

<sup>1</sup>Mzumbe University, Mororogo, Tanzania, United Republic of, <sup>2</sup>University of Dar es Salaam, Tanzania, Dar es Salaam, Tanzania, United Republic of, <sup>3</sup>University of Dar es Salaam, Dar es Salaam, Tanzania, United Republic of, <sup>4</sup>National Institute for Medical Research, Amani Center, Tanga, Tanzania, United Republic of, <sup>5</sup>National Institute for Medical Research, Tanga Center, Tanga, Tanzania, Tanga, Tanzania, United Republic of, <sup>6</sup>Ministry of Health, Dodoma, Tanzania, United Republic of, <sup>7</sup>Ifakara Health Institute, Dar es Salaam, Tanzania, United Republic of

**LB-9454****Gut Microbiome Dynamics in Plasmodium knowlesi Infection: Insights from Long-Tailed Macaque Models.**

**Tryphena Adams**<sup>1</sup>, Chester J. Joyner<sup>2</sup>, MaHPIC Consortium<sup>3</sup>, Rabintra Tirouvanziam<sup>3</sup>, Alberto Moreno<sup>3</sup>, Mary R. Galinski<sup>3</sup>, Regina Joice Cordy<sup>1</sup>

<sup>1</sup>Wake Forest University, Winston Salem, NC, United States, <sup>2</sup>University of Georgia, Athens, GA, United States, <sup>3</sup>Emory University, Atlanta, GA, United States

**LB-9455****Development of a panel to investigate seroreactivity against *Plasmodium falciparum* associated with risk of Burkitt Lymphoma in the EMBLEM Study**

**Sonal Kale**<sup>1</sup>, Bernard N. Kanoi<sup>2</sup>, Hikaru Nagaoka<sup>2</sup>, Sang Kyu Lee<sup>1</sup>, David Ruggieri<sup>3</sup>, Hadijah Nabalende<sup>4</sup>, Isaac Otim<sup>4</sup>, Patrick Kerchan<sup>5</sup>, Steven J. Reynolds<sup>6</sup>, Constance N. Tenge<sup>7</sup>, Pamela A. Were<sup>8</sup>, Robert T. Kuremu<sup>7</sup>, Walter N Wekesa<sup>7</sup>, Nestory Masalu<sup>9</sup>, Esther Kawira<sup>10</sup>, Leona W. Ayers<sup>11</sup>, Kishor Bhatia<sup>1</sup>, James J. Goedert<sup>1</sup>, Martin D. Ogwang<sup>4</sup>, Kai Yu<sup>1</sup>, Hyokyung G. Hong<sup>1</sup>, Eizo Takashima<sup>2</sup>, Takafumi Tsuboi<sup>2</sup>, Sam M. Mbulaiteye<sup>1</sup>

<sup>1</sup>Division of Cancer Epidemiology and Genetics, National Cancer Institute, National Institutes of Health, Bethesda, MD, United States, <sup>2</sup>Division of Malaria Research, Proteo-Science Center, Ehime University, Matsuyama, Japan, <sup>3</sup>Information Management Services, Inc, Silver Spring, Bethesda, MD, United States, <sup>4</sup>EMBLEM Study, St. Mary's Hospital, Lacor, Gulu & African Field Epidemiology Network, Kampala, Uganda, <sup>5</sup>EMBLEM Study, Kuluva Hospital, Kuluva, Arua & African Field Epidemiology Network, Kampala, Uganda, <sup>6</sup>Division of Intramural Research, National Institute of Allergy and Infectious Diseases, National Institutes of Health, Bethesda, MD, United States, <sup>7</sup>EMBLEM Study, Moi University College of Health Sciences, Eldoret, Kenya, <sup>8</sup>EMBLEM Study, Academic Model Providing Access To Healthcare (AMPATH), Eldoret, Kenya, <sup>9</sup>EMBLEM Study, Bugando Medical Center, Mwanza, Tanzania, United Republic of, <sup>10</sup>EMBLEM Study, Shirati Health and Educational Foundation, Shirati, Tanzania, United Republic of, <sup>11</sup>Department of Pathology, The Ohio State University, Columbus, OH, United States

**Poster Session C Presentations**

Saturday, November 16, 11 a.m. - 12:45 pm

Convention Center – Hall I-1 (1<sup>st</sup> Floor)**LB-9456****Urban malaria: a new epidemiological landscape of malaria transmission in southeastern Venezuela****Natasha A. Camejo**<sup>1</sup>, David A. Forero<sup>2</sup>, Fhabían S. Carrión<sup>-1</sup>, Oriana A. Regalado<sup>3</sup>, María E. Grillet<sup>4</sup>, Juan C. Gabaldón<sup>5</sup>, María F. Vincenti<sup>6</sup>, Andrea L. Maricuto<sup>2</sup>, Javier Lezaun<sup>7</sup><sup>1</sup>*Instituto Venezolano de investigaciones científicas, San Antonio de los Altos, Venezuela, Bolivarian Republic of*, <sup>2</sup>*Biomedical Research and Therapeutic Vaccines Institute, Ciudad Bolívar, Venezuela, Bolivarian Republic of*, <sup>3</sup>*Biomedical Research and Therapeutic Vaccines Institute, Ciudad Bolívar, Venezuela, Ciudad Bolívar, Venezuela, Bolivarian Republic of*, <sup>4</sup>*Laboratory of Vector and Parasite Biology, Tropical Ecology and Zoology Institute, School of Sciences, Universidad central de Venezuela, Caracas, Venezuela, Bolivarian Republic of*, <sup>5</sup>*Barcelona Institute for Global Health (ISGlobal), Hospital Clinic—University of Barcelona, Barcelona, Spain*, <sup>6</sup>*Spatial Epidemiology Lab (SpELL), Université Libre de Bruxelles (ULB), Brussels, Belgium*, <sup>7</sup>*Institute for Science Innovation and Society, School of Anthropology and Museum Ethnography, University of Oxford, Oxford, United Kingdom***LB-9457****Dynamics of antibody specific to the placental malaria vaccine candidate VAR2CSA during pregnancies of women who received pre-conception PfSPZ Vaccine****Yai Justin Doritchamou**<sup>1</sup>, Josephine Jean<sup>1</sup>, Min Su Cho<sup>1</sup>, Daniel Tran<sup>1</sup>, Halimatou Diawara<sup>2</sup>, Sara Healy<sup>1</sup>, Robert Morrison<sup>1</sup>, Jonathan P. Renn<sup>1</sup>, Thomas L. Richie<sup>3</sup>, Michal Fried<sup>1</sup>, Alassane Dicko<sup>2</sup>, Stephen L. Hoffman<sup>3</sup>, Patrick E. Duffy<sup>1</sup><sup>1</sup>*Laboratory of Malaria Immunology & Vaccinology, National Institute of Allergy and Infectious Disease, Bethesda, MD, United States*, <sup>2</sup>*Malaria Research and Training Center, University of Sciences, Techniques and Technologies of Bamako, Bamako, Mali*, <sup>3</sup>*Sanaria, Inc, Rockville, MD, United States***LB-9458****Insights on Mapping Malaria-concentrated Areas to Optimize Malaria Response during Epidemic Periods in Karamoja, Uganda**Stephen Kigongo<sup>1</sup>, Rhoda Adong<sup>2</sup>, Derrick Nabongho<sup>3</sup>, Christine Lodungokol<sup>3</sup>, Badru Gidudu<sup>2</sup>, Constance Agwang<sup>1</sup>, Martin Kinobe<sup>4</sup>, Isaiah Loput<sup>5</sup>, Beulah Jayakumar<sup>1</sup>, Jordan Smith<sup>1</sup>, **Mariam Bahova**<sup>1</sup>, Sandra Djalle Incardona<sup>1</sup>, Dorah Taranta<sup>2</sup>, Silva M. Kasozi<sup>6</sup>, Edward Mugwanya<sup>2</sup>, Angela Kateemu<sup>2</sup>, BenjaminBinagwa<sup>2</sup>, Amanda Nagadya<sup>2</sup><sup>1</sup>*MCD Global Health, Silver Spring, MD, United States*, <sup>2</sup>*John Snow Inc, Boston, MA, United States*, <sup>3</sup>*John Snow Inc, Boston, MA, United States*, <sup>4</sup>*John Snow Inc, Silver Spring, MA, United States*, <sup>5</sup>*Napak District Local Government, Karamoja, Uganda*, <sup>6</sup>*Ministry of Health/National Malaria Control Division, Kampala, Uganda***LB-9459****Evaluation of the Health Facility-Based Malaria Surveillance System in Gisagara District of Rwanda, 2019-2022****Eugene KAYONGA**, Kabera Michee, Jean Louis Mangala Ndikumana, Dr Emmanuel HAKIZIMANA  
*Rwanda Biomedical Center, Kigali City, Rwanda***LB-9460****High-Resolution Profiling of Antibody Responses to AMA1 Vaccination using PhIP-seq****Madhura Raghavan**<sup>1</sup>, Elizabeth C. Lee<sup>2</sup>, Joseph L. DeRisi<sup>1</sup>, Prakash Srinivasan<sup>2</sup><sup>1</sup>*University of California San Francisco, San Francisco, CA, United States*, <sup>2</sup>*Johns Hopkins School of Public Health, Baltimore, MD, United States***LB-9461****Onchocerciasis Vector Habitat Detection Using Remote Sensing and Machine Learning Methods****Victoria Gammino**<sup>1</sup>, Fikresilasie Samuel<sup>2</sup>, Matt Boyas<sup>1</sup>, Aderajew Mohammed<sup>2</sup>, Kha-Ai Tran<sup>1</sup>, Fikre Seife<sup>3</sup>, Malinda Frick<sup>1</sup>, Tekola Endeshaw<sup>2</sup>, Matthew O'Neill<sup>1</sup>, Addisu Sahile<sup>2</sup>, Jemal Moges<sup>2</sup>, Tewodros Seid<sup>2</sup>, Emily Griswold<sup>4</sup><sup>1</sup>*The MITRE Corporation, McLean, VA, United States*, <sup>2</sup>*The Carter Center, Addis Ababa, Ethiopia*, <sup>3</sup>*Ministry of Health, Addis Ababa, Ethiopia*, <sup>4</sup>*The Carter Center, Atlanta, GA, United States***LB-9462****Dengue epidemic in Brazil: A framework for equitable epidemic preparedness****Sabrina L. Li**<sup>1</sup>, Carlos A. Prete Jr<sup>2</sup><sup>1</sup>*University of Nottingham, Nottingham, United Kingdom*, <sup>2</sup>*University of Sao Paulo, Sao Paulo, Brazil*

## Poster Session C Presentations

Saturday, November 16, 11 a.m. - 12:45 pm

Convention Center – Hall I-1 (1<sup>st</sup> Floor)

**LB-9463**

### **The Transformative Power of the Water Sanitation & Hygiene for Sustainable Elimination of Trachoma (WASHTra) in Ethiopia.**

**Shabir AG Meshesha**, Mesfin M. Bekele  
*The Fred Hollows Foundations, Addis Ababa, Ethiopia*

**LB-9464**

### **Reduction in the prevalence of *Onchocerca volvulus* infection in Ituri province, Democratic Republic of Congo between 2009-2011 and 2020-2023: Results of screening for two studies comparing the efficacy and safety of moxidectin and ivermectin**

**Tony O. Ukety**<sup>1</sup>, Michel Mandro Ndahura<sup>2</sup>, Pascal Adroba Tandele<sup>1</sup>, Deogratias Ucima<sup>1</sup>, Françoise Ngave<sup>1</sup>, Kaki Kambale<sup>1</sup>, Amos Nyathirombo<sup>1</sup>, Obed Nzanzu<sup>1</sup>, Innocent Mananu<sup>1</sup>, Jack Zawadi<sup>1</sup>, Gisèle Abeditho<sup>1</sup>, Patrick Ubimo<sup>1</sup>, Jules Upenjirwoth<sup>1</sup>, Moïse Alidra<sup>1</sup>, Séverin Cwinya'ay<sup>1</sup>, Wivine Mave<sup>1</sup>, Joël Mande<sup>1</sup>, Germain Abhafule<sup>1</sup>, Claude Uvon<sup>1</sup>, Anuarite Raci<sup>1</sup>, Salomon Maki<sup>1</sup>, Lyna Biwaga<sup>1</sup>, Matthieu Njabu<sup>1</sup>, Annette C. Kuesel<sup>3</sup>, Beatriz Mosqueira<sup>4</sup>, Mupenzi Mumbere<sup>4</sup>, Melinda Lowe<sup>4</sup>, Sally A. Kinrade<sup>4</sup>  
<sup>1</sup>Centre de Recherche en Maladies Tropicales, Rethy, Congo, Democratic Republic of the, <sup>2</sup>Ituri Provincial Health Division, Bunia, Congo, Democratic Republic of the, <sup>3</sup>World Health Organization Special Programme for Research and Training in Tropical Diseases (TDR), Geneva, Switzerland, <sup>4</sup>Medicines Development for Global Health, Southbank, Australia

**LB-9465**

### **Data driven approaches to strengthen program management and service delivery - Kala-azar Management Information System (KAMIS) - India Experiences**

**Tanu Jain**<sup>1</sup>, Jayaram Parasa<sup>2</sup>  
<sup>1</sup>National Centre for Vector Borne Diseases Control, Ministry of Health and Family Welfare, Govt of India, Delhi, India, <sup>2</sup>Technical Support Unit, National Centre for Vector Borne Diseases Control, Ministry of Health and Family Welfare, Govt of India, Delhi, India

**LB-9466**

### **Development of data collection tools to characterize climate change resiliency in communities and health systems for NTD service delivery**

**Zahra Z. Rashid**<sup>1</sup>, Helena Molina<sup>1</sup>, Elizabeth Sutherland<sup>1</sup>, Emmanuel Ssegawa<sup>2</sup>, Rebecca

Flueckiger<sup>1</sup>, Upendo Mwingira<sup>1</sup>, Rapheal Opon<sup>3</sup>, William E. Oswald<sup>1</sup>

<sup>1</sup>RTI International, Research Triangle Park, NC, United States, <sup>2</sup>WI-HER, Vienna, VA, United States, <sup>3</sup>Ministry of Health Uganda, Kampala, Uganda

**LB-9467**

### **The impact of cross-border migration on lymphatic filariasis elimination efforts: a modelling study**

**Emma Exall**, Emma L. Davis  
*University of Warwick, Coventry, United Kingdom*

**LB-9468**

### **Biannual MDA in Niger in districts with persistent or recrudescing trachoma**

**Elisabeth Chop**<sup>1</sup>, Mahamadou Oumarou<sup>2</sup>, Abdou Amza<sup>2</sup>, Hamadou Sita<sup>3</sup>, Mounkaila Issoufou<sup>3</sup>, Benoit Dembele<sup>4</sup>, Steven D Reid<sup>1</sup>, Nadia Ben Meriem<sup>1</sup>, Stephanie Palmer<sup>5</sup>, Jennifer Magalong<sup>5</sup>, Mourtala Mohamed Assao Neino<sup>3</sup>, Angela Weaver<sup>1</sup>  
<sup>1</sup>Helen Keller, New York, NY, United States, <sup>2</sup>Ministry of Health, Niger, Niamey, Niger, <sup>3</sup>Helen Keller, Niamey, Niger, <sup>4</sup>Helen Keller, Dakar, Senegal, <sup>5</sup>Family Health International, Washington, DC, United States

**LB-9469**

### **Analysis of the human blood transcriptome of patients with cardiomyopathy associated with Chagas disease infection**

David Requena<sup>1</sup>, Daniel F. Guevara-Díaz<sup>2</sup>, **Daniel E. Garbozo**<sup>2</sup>, Jack A. Médico<sup>2</sup>, Robert H. Gilman<sup>1</sup>  
<sup>1</sup>Department of International Health, Bloomberg School of Public Health, Johns Hopkins University, Baltimore, MD, United States, <sup>2</sup>Bioinformatics Group in Multi-omics and Immunology, New York, NY, United States

**LB-9470**

### **Reduce suffering and improve quality of life of lymphatic filariasis patient via the hydrocele surgery in Sierra Leone**

**Abdulai Conteh**<sup>1</sup>, Ibrahim Kargbo-Labor<sup>1</sup>, Victoria Turay<sup>2</sup>, Gandi Kallon<sup>2</sup>, Moses Aderogba<sup>3</sup>, Louise Makau-Barasa<sup>3</sup>, Mohamed S. Bah<sup>4</sup>, Jusufu Paye<sup>5</sup>, Yaobi Zhang<sup>6</sup>, Benoit Dembele<sup>7</sup>, Sugandh Juneja<sup>2</sup>  
<sup>1</sup>National Neglected Tropical Diseases Program, Freetown, Sierra Leone, <sup>2</sup>Helen Keller, Freetown, Sierra Leone, <sup>3</sup>The END Fund, New York, NY, United States, <sup>4</sup>Affiliate Helen Keller Intl, Freetown, Sierra Leone, <sup>5</sup>University of Washington, Seattle, WA, United States, <sup>6</sup>Helen Keller, New York, NY, United States, <sup>7</sup>Helen Keller, Dakar, Senegal

## Poster Session C Presentations

Saturday, November 16, 11 a.m. - 12:45 pm  
Convention Center – Hall I-1 (1<sup>st</sup> Floor)

**LB-9471**

### Lessons Learned from Subdividing Evaluation Units and Targeting Interventions Against Lymphatic Filariasis Using Geographic Methods in Haiti

**Eurica Denis**<sup>1</sup>, Alain Javel<sup>1</sup>, Molly Brady<sup>2</sup>, Alyssa Lindrose<sup>2</sup>, Carl Fayette<sup>1</sup>, Clara Burgert<sup>2</sup>, Farah Momprevil<sup>3</sup>, Uder Antoine<sup>1</sup>, Briana Stone<sup>2</sup>  
<sup>1</sup>RTI International, Petion Ville, Haiti, <sup>2</sup>RTI International, Washington, DC, United States, <sup>3</sup>Ministry of Public Health and Population, Petion Ville, Haiti

**LB-9472**

### An Analysis of Chemotherapeutic Treatment Avenues for Cutaneous and Mucocutaneous Leishmaniasis: A Systematic Review

**Joy Xu**<sup>1</sup>, Sophia Salazar<sup>2</sup>, Aashita Doshi<sup>3</sup>  
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**LB-9473**

### Mapping Socioeconomic Factors Driving Antimicrobial Resistance: An Umbrella Review

**Gunnar V. Ljungqvist**<sup>1</sup>, Robin van Kessel<sup>1</sup>, Elias Mossialos<sup>1</sup>, Victoria Saint<sup>2</sup>, Jelena Schmidt<sup>3</sup>, Alexander Mafi<sup>4</sup>, Alison Shutt<sup>5</sup>, Anuja Chatterjee<sup>6</sup>, Esmita Charani<sup>7</sup>, Michael Anderson<sup>1</sup>  
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**LB-9474**

### Impact of Climate Variables on Crimean-Congo Hemorrhagic Fever in Iran, Iraq, Kazakhstan, Russia, and Turkey (1999-2022)

Irina Lizinfeld<sup>1</sup>, Mohammad Fereidouni<sup>2</sup>, Natalia Pshenichnaya<sup>1</sup>, Gulzhan Abuova<sup>3</sup>, Mohammad Reza Shirzadi<sup>4</sup>, Hanan Abdulghafoor Khaleel<sup>5</sup>, Riyadh-Al Hilfi<sup>6</sup>, Donal Bisanzio<sup>7</sup>, **Maryam Keshtkar Jahromi**<sup>8</sup>  
<sup>1</sup>Central Research Institute of Epidemiology, Moscow, Russian Federation, <sup>2</sup>Jahrom University of Medical Sciences, Jahrom, Iran, Islamic Republic of, <sup>3</sup>South Kazakhstan Medical Academy, Department of Infectious Diseases, Head of department, Shymkent,

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**LB-9475**

### Assessment of Trachomatous Trichiasis Surgical Outcomes in Four Regions of Ethiopia

**Getachew Gebreselassie Nida**<sup>1</sup>, Dawit Woga<sup>1</sup>, Liya Assefa<sup>2</sup>  
<sup>1</sup>Amref Health Africa, Addis Ababa, Ethiopia, <sup>2</sup>END Fund, New York City, NY, United States

**LB-9476**

### Barriers to Engagement in Passive Tick and Tick-Borne Disease Surveillance Program in Connecticut

**Sydney Jones**<sup>1</sup>, Adriana Morales Miranda<sup>1</sup>, Yuyi Bei<sup>1</sup>, Onolunose Oko-Ose<sup>2</sup>, Noelle Khalil<sup>3</sup>, Jennifer Wang<sup>1</sup>, Goudarz Molaei<sup>3</sup>  
<sup>1</sup>Yale School of Public Health, New Haven, CT, United States, <sup>2</sup>Yale School of Environment, New Haven, CT, United States, <sup>3</sup>Center for Vector Biology & Zoonotic Disease, the Connecticut Agricultural Experiment Station, New Haven, CT, United States

**LB-9477**

### Integrating subseasonal-to-seasonal forecasts in a multi-model indicator framework to predict suitability and emergence of climate-sensitive infectious diseases in Europe

**Gina E. C. Charnley**<sup>1</sup>, Alba Llabrés-Brustenga<sup>1</sup>, Martín Lotto Batista<sup>1</sup>, Bruno M. Carvalho<sup>1</sup>, Kim R. van Daalen<sup>1</sup>, Diana Urquiza<sup>1</sup>, Raúl Capellán Fernández<sup>1</sup>, Francesco Benincasa<sup>1</sup>, Pratik Singh<sup>2</sup>, Julian Heidecke<sup>2</sup>, Zia Farooq<sup>3</sup>, Marina Treskova<sup>2</sup>, Joacim Rocklöv<sup>2</sup>, Jan C. Semenza<sup>3</sup>, Rachel Lowe<sup>1</sup>  
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**Poster Session C Presentations**

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**LB-9478**

**The relationship between epidemic speed, force of infection, and detection thresholds: Implications for highly pathogenic avian influenza A H<sub>5</sub>N<sub>1</sub> spread among dairy cattle**

Michael E. DeWitt<sup>1</sup>, Brinkley R. Bellotti<sup>1</sup>, Jennifer J. Wenner<sup>1</sup>, Nicholas Kortessis<sup>2</sup>

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**LB-9479**

**Incidence of floR, a resistance gene to amphenicols, during the first two years of children living in a peri-urban community of Peru**

Mariela La-Rosa-Gonzales<sup>1</sup>, Arturo Miranda-Quispe<sup>1</sup>, Maryhory Vargas-Reyes<sup>2</sup>, Maya Nadimpalli<sup>3</sup>, Mayuko Saito<sup>4</sup>, Subhra Chakraborty<sup>5</sup>, Roberto Alcántara<sup>2</sup>, Pohl Milon<sup>2</sup>, Robert H Gilman<sup>5</sup>, Monica J. Pajuelo<sup>1</sup>

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**LB-9480**

**Assessing One Health integration across county-level emergency operation centers (EOCs) in Kenya**

Leo Shih<sup>1</sup>, Lauren Miller<sup>1</sup>, Ming Ong<sup>1</sup>, Augusta Kivunzya<sup>2</sup>, Kevin Omondi<sup>3</sup>, Evelyn Chimwani<sup>3</sup>, Matthew Mutiiria<sup>4</sup>, Khadija Chepkorir<sup>4</sup>, Jedidah Kiprop<sup>5</sup>, Tura Galgalo<sup>3</sup>, Rachel Vahey<sup>6</sup>, Kaitlin Sandhaus<sup>3</sup>, Erin Sorrell<sup>6</sup>, Claire Standley<sup>1</sup>

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**LB-9481**

**Epidemiology and risk factors for *Schistosoma* spp. infection in adult population of Chókwè district, Mozambique**

João Tiago Serra<sup>1</sup>, Carina Silva<sup>2</sup>, Mohsin Sidat<sup>3</sup>, Silvana Belo<sup>1</sup>, Pedro Ferreira<sup>1</sup>, Natália Ferracini<sup>1</sup>, Daniel Kaminstein<sup>4</sup>, Cláudia Conceição<sup>1</sup>

<sup>1</sup>Instituto de Higiene e Medicina Tropical, Lisboa, Portugal, <sup>2</sup>Escola Superior de Tecnologia da Saúde, Lisboa, Portugal, <sup>3</sup>Faculdade de Medicina da Universidade Eduardo Mondlane, Maputo, Mozambique, <sup>4</sup>Medical College of Georgia at Augusta University, Augusta, GA, United States

**LB-9482**

**Point-of-care ultrasonography for *S. haematobium* associated urinary tract morbidity evaluation in the adult population of Mozambique**

João Tiago Serra<sup>1</sup>, Daniel Kaminstein<sup>2</sup>, Carina Silva<sup>3</sup>, Mohsin Sidat<sup>4</sup>, Silvana Belo<sup>1</sup>, Cláudia Conceição<sup>1</sup>

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**LB-9483**

**Efficacy of praziquantel for the treatment of *S. haematobium* infection among children in Afar, Ethiopia**

Louis Fok<sup>1</sup>, David Brett-Major<sup>1</sup>, Hongying Dai<sup>1</sup>, John Linville<sup>1</sup>, Berhanu Erko<sup>2</sup>, Abebe Animut<sup>2</sup>, Abraham Degarege<sup>1</sup>

<sup>1</sup>University of Nebraska Medical Center, Omaha, NE, United States, <sup>2</sup>Addis Ababa University, Addis Ababa, Ethiopia

**LB-9484**

**Surveillance cystoscopy for atypical *Schistosoma haematobium* infection associated with recurrent UTIs**

**Case Keltner**

Medical Corps, US Army, Fort Meade, MD, United States

**Poster Session C Presentations**

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**LB-9485**

**Natural history and pathogenesis of Nipah virus disease: a systematic review of clinical studies to inform clinical trial design**

**Md Zakiul Hassan**<sup>1</sup>, Susan khader Ibrahim<sup>2</sup>, Eli Harriss<sup>3</sup>, Amanda Rojek<sup>2</sup>, Peter Horby<sup>2</sup>, Piero Olliaro<sup>2</sup>  
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**LB-9486**

**Addressing dengue virus detection challenges in Colombia with a low cost and freeze dried RT LAMP based assay**

**David Duplat**<sup>1</sup>, Camila González<sup>1</sup>, Keith Pardee<sup>2</sup>  
<sup>1</sup>*Universidad de los Andes, Bogotá, Colombia*, <sup>2</sup>*University of Toronto, Toronto, ON, Canada*

**LB-9487**

**Envelope protein sequence variation of DENV-3 infections during a phase 3 efficacy study of a live attenuated dengue vaccine**

**Christina DeMaso**<sup>1</sup>, Emily Wong<sup>2</sup>, Lovkesh Karwal<sup>1</sup>, Maima Kaiser<sup>1</sup>, Tim Powell<sup>1</sup>, Vianney Tricou<sup>3</sup>, Mayuri Sharma<sup>1</sup>  
<sup>1</sup>*Takeda Vaccines Inc, Cambridge, MA, United States*, <sup>2</sup>*Genetics and Systems Biology, Preclinical and Translational Sciences, Takeda Pharmaceuticals Inc, San Diego, CA, United States*, <sup>3</sup>*Takeda Pharmaceuticals International AG, Zurich, Switzerland*

**LB-9488**

**A Case of Dengue with Warning Signs in an Active-Duty Service Member Highlights Need for Increased Front Line Clinician Awareness**

**Carlie Cerne**<sup>1</sup>, Patrick Hickey<sup>2</sup>  
<sup>1</sup>*Walter Reed National Military Medical Center, Bethesda, MD, United States*, <sup>2</sup>*Uniformed Services University of the Health Sciences, Bethesda, MD, United States*

**LB-9489**

**Effectiveness of a single-dose mass dengue vaccination in Cebu, Philippines- A 5-year case-control study**

**Maria Vinna Crisostomo**<sup>1</sup>, Kristal An Agrupis<sup>1</sup>, Jedas Veronica Daag<sup>2</sup>, Jesus Jr. Sarol<sup>3</sup>, March Helena Jane Lopez<sup>1</sup>, Kiarah Louise Florendo<sup>1</sup>, Clarissa de Guzman<sup>1</sup>, Ava Kristy Sy<sup>4</sup>, Zoraida Yurango<sup>5</sup>, Olivia Dandan<sup>6</sup>, Jean Balabat<sup>7</sup>, Jacqueline Deen<sup>1</sup>, Michelle Ylade<sup>1</sup>  
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**LB-9490**

**Chikungunya Disease Incidence in an Age-stratified Cohort in Southern Thailand, 2022-2024**

**Edgie-Mark Co**<sup>1</sup>, Darunee Buddhari<sup>1</sup>, Anurak Sarapap<sup>2</sup>, Prapon Dechaiset<sup>2</sup>, Pasuree Sangsupawanich<sup>2</sup>, Kathryn Anderson<sup>3</sup>, Taweewun Hunsawong<sup>1</sup>, Sarunyou Chrusri<sup>2</sup>, Steven Stoddard<sup>4</sup>, Aaron Farmer<sup>1</sup>  
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**LB-9491**

**Comparison of Human Papillomavirus detection using Cervicovaginal Swab versus First-Void Urine sample among married women in a community setting from Pakistan**

**Aneela Pasha**, fyezah jehan  
*Aga Khan University, Karachi, Pakistan*

**LB-9492**

**Association between Rota vaccine uptake and infant growth at 6 months- A sub-study of the Mumta Pregnant Women Trial**

**Muhamad Farrukh Qazi**, FYEZAH JEHAN  
*Aga Khan University, Karachi, Pakistan*

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**LB-9493**

**A novel use of statistical modeling to design a nested case-control TAK-003 vaccine effectiveness study against dengue in a pediatric and adolescent population (DEN-401)**

**Eric Lloyd**<sup>1</sup>, Manja Brose<sup>1</sup>, Maxim Blum<sup>2</sup>, Aditi Acharya<sup>1</sup>, Rande Kastner<sup>3</sup>, Htar Htar Nwe<sup>4</sup>, Yane Hutagalung<sup>5</sup>, Suely Tuboi<sup>6</sup>, Kaatje Bollaerts<sup>2</sup>, Laurence Baril<sup>3</sup>, John Weil<sup>3</sup>

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**LB-9494**

**Estimating the hepatitis E virus infection fatality risk in Bangladesh**

**Amy Dighe**<sup>1</sup>, Repon Paul<sup>2</sup>, Arifa Nazneen<sup>3</sup>, Henrik Salje<sup>4</sup>, Firdausi Qadri<sup>3</sup>, Kishor Kumar Paul<sup>2</sup>, Emily S. Gurley<sup>1</sup>, Andrew S. Azman<sup>1</sup>  
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**LB-9495**

**Modelling of 5 year antibody persistence after vaccination with Live attenuated Chikungunya vaccine VLA1553 (IXCHIQ®)**

**Gerard Vondeling**<sup>1</sup>, Gabriele Maurer<sup>1</sup>, Stéphanie Meyer<sup>2</sup>, Florian Erlsbacher<sup>3</sup>, Julian Larcher-Senn<sup>3</sup>, Vera Buerger<sup>1</sup>

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**LB-9496**

**Prevalence and incidence of arboviral infections in pregnant women in Tamil Nadu, India**

John Fletcher<sup>1</sup>, **Abigale Proctor**<sup>2</sup>, Asha Mary Abraham<sup>1</sup>, Vijayalekshmi B<sup>1</sup>, Jasmine Sugirtha<sup>1</sup>, Anne George Cherian<sup>1</sup>, Santosh Benjamin<sup>1</sup>, Christopher N. Mores<sup>2</sup>, Emily Smith<sup>2</sup>

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**LB-9497**

**Vector Borne Program Resource Needs in Colorado Public Health Agencies**

**Jessica L. Butler**<sup>1</sup>, Jordan Crawford<sup>2</sup>, Kayleigh P. Keller<sup>3</sup>, Juliana G. Barnard<sup>1</sup>, Talia M. Quandelacy<sup>1</sup>  
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