Friday, November 15

Registration

Convention Center - Lobby I (1st Floor)
Friday, November 15, 7 a.m. - 5 p.m.

Speaker Ready Room (Closed 11 a.m. - Noon)

Convention Center - Room 387 (3rd Floor)
Friday, November 15, 7 a.m. – 6 p.m.

TropStop -Student/Trainee Lounge

Convention Center - Room 346/347 (3rd Floor)
Friday, November 15, 7 a.m. - 5 p.m.

This casual setting, designed with students, trainees and residents in mind (coffee, internet), is your place for a break from the fast pace of the meeting and relax with colleagues and friends. Check out the Career Chats, held in the TropStop. This will be your opportunity to meet professionals in the fields of tropical medicine and global health who will share their personal career paths and answer your questions about the various bumps and forks in the road.

Meeting Sign-Up Room

Hilton – Norwich Room and Windsor Room (3rd Floor)
Friday, November 15, 7 a.m. - 7 p.m.

Nursing Mothers Room

Convention Center – Office I120 and Office J121 (1st Floor)
Friday, November 15, 7 a.m. - 7 p.m.

Prayer Room

Convention Center - Room 342 (3rd Floor)
Friday, November 15, 7 a.m. - 7 p.m.

Burroughs Wellcome Fund - ASTMH Fellowship Committee Meeting

Convention Center - Room 349 (3rd Floor)
Friday, November 15, 7 a.m. - 8 a.m.

Trainee Membership Committee

Hilton - Ascot (3rd Floor)
Friday, November 15, 7 a.m. - 8 a.m.

Sponsored Symposium

Results from Large-Scale Trials of the Sarabi Attractive Targeted Sugar Bait to Reduce Malaria Burden in Kenya, Mali and Zambia

Sponsored by IVCC

Convention Center - Room 343/344 (3rd Floor)
Friday, November 15, 7 a.m. – 8:45 a.m.

See page 52 for information.

Sponsored Symposium

Tropical Fever Syndromic Diagnostics to Enhance Patient Management: A Clinical and Microbiologist Point of View

Sponsored by bioMérieux SA

Convention Center - Room 352 (3rd Floor)
Friday, November 15, 7 a.m. – 8:45 a.m.

See page 54 for information.

Sponsored Symposium

Asymptomatic Malaria in Pregnancy: An Urgent Problem to Resolve

Sponsored by Abbott

Convention Center - Room 354/355 (3rd Floor)
Friday, November 15, 7 a.m. – 8:45 a.m.

See page 53 for information.

Sponsored Symposium

When Neglected Tropical Diseases Go Global: Focus on Chikungunya and Mpox

Sponsored by Bavarian Nordic

Convention Center - Room 383/384/385 (3rd Floor)
Friday, November 15, 7 a.m. – 8:45 a.m.

See page 53 for information.

Sponsored Symposium

Malaria Prevention: A Trilogy of Tools to Accelerate to Zero Deaths

Sponsored by Medicines for Malaria Venture and TDR

Convention Center - Room 395/396 (3rd Floor)
Friday, November 15, 7 a.m. – 8:45 a.m.
See page 54 for information.

Press Room

Convention Center - Room 340 (3rd Floor)
Friday, November 15, 7:45 a.m. - 5 p.m.

LIVE STREAMING Plenary Session 61

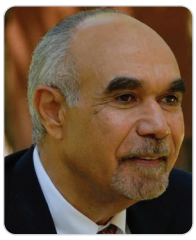
Plenary Session III: Commemorative Lecture

Convention Center - Hall I-2 (1st Floor)
Friday, November 15, 9 a.m. - 9:45 a.m.
THIS SESSION DOES NOT CARRY CME CREDIT.

CHAIR
Linnie Golightly
Weill Cornell Medical College, New York, NY, United States

9 a.m.
INTRODUCTION
Linnie Golightly
Weill Cornell Medical College, New York, NY, United States

9:15 a.m.
COMMEMORATIVE LECTURE: OVERCOMING CHALLENGES TO IMPLEMENT PATIENT CARE, TRAINING, RESEARCH AND GLOBAL HEALTH IN HAITI: 1979-2024



Jean William "Bill" Pape, MD
Founder and Director
Les Centres GHESKIO, Port-au-Prince, Haiti
Howard and Carol Holtzmann Professor of Clinical Medicine
Weill Cornell Medical College, New York, NY, United States

Dr. Jean William "Bill" Pape is the founder and director of Les Centres GHESKIO in Port-au-Prince, Haiti, and the Howard and Carol Holtzmann Professor of Clinical Medicine at Weill Cornell Medical College in New York.

Born and raised in Haiti, Dr. Pape is a visionary leader whose seminal work has had a major impact on healthcare delivery in his native country and around the world. Despite man-made and natural disasters, he has persevered to save hundreds of thousands of lives in Haiti while improving many more globally. His story and that of GHESKIO, the organization he founded, exemplify resilience, innovation, and entrepreneurial leadership in one of the poorest countries in the world.

Bill Pape graduated from Columbia University with a BS in 1971 and from Cornell University with an MD in 1975. After completing his postdoctoral training in infectious diseases at the New York Hospital, he joined the Cornell faculty. He then returned to Haiti to establish the Cornell Infectious Diseases Research and Training Unit. Dr. Pape subsequently identified the cause of infantile diarrhea, which was the leading cause of infant mortality at the time. He introduced a comprehensive treatment, including oral rehydration therapy, which reduced the hospital infant mortality rate at the State University Hospital (HUEH) from over 40% to less than 1% within a year. The nationwide implementation of this program led to a 50% reduction in infant mortality across the country.

Dr. Pape is credited with recognizing and providing the first comprehensive description of AIDS in the developing world. In 1982, he established GHESKIO (a French acronym for the Haitian Study Group on Kaposi Sarcoma and Opportunistic Infections), one of the first centers dedicated to the study of AIDS. Four decades later, GHESKIO remains one of the largest AIDS and TB treatment, training, and research centers in the Americas, providing free care to more than 300,000 patients with HIV, STIs, TB, diarrheal, and cardiovascular diseases annually. Dr. Pape's work in Haiti has had a global impact on HIV and TB prevention and treatment.

Under his leadership, the GHESKIO team has saved many people despite overwhelming odds. In 2010, after Haiti was devastated by an earthquake that killed an estimated 300,000 people, followed by the worst cholera outbreak in modern history, Dr. Pape transformed the GHESKIO campus into a trauma hospital and survivor camp, saving thousands of lives.

Exhibit Hall Open

Convention Center - Hall J (1st Floor)
Friday, November 15, 9:30 a.m. - 10:30 a.m.

Coffee Break

Convention Center - Hall J (1st Floor)
Friday, November 15, 9:45 a.m. - 10:15 a.m.

Poster Session B Set-Up

Convention Center - Hall I-1 (1st Floor)
Friday, November 15, 9:45 a.m. - 10:15 a.m.

Poster Session B Viewing

Convention Center - Hall I-1 (1st Floor)
Friday, November 15, 10:15 a.m. - Noon

LIVE STREAMING Symposium 62

Falling Dominoes: Antimalarial Resistance Proliferation in East and Central Africa

Convention Center - Hall I-2 (1st Floor)
Friday, November 15, 10:15 a.m. - Noon

The wide-held belief that artemisinin-based combination therapies (ACTs) would maintain efficacy for years to come in Africa is no longer true. In recent years, four across East Africa have reported confirmed partial artemisinin resistance, and some are also reporting declining lumefantrine efficacy. Recent reports from Israel, Belgium, and the United Kingdom have shown increasing instances of ACT treatment failure in travelers returning from East Africa. The short-term outlook for

alternative antimalarials to ACTs is extremely limited; preserving the efficacy of ACTs in the region is critical for the treatment of the individual and for public health. Therapeutic efficacy studies (TES) are the gold standard for monitoring a country's first and second-line antimalarial efficacy and can be used to pair clinical and molecular data to discover the presence of genetic markers associated with delayed parasite clearance or ACT failure. TES are designed to provide straightforward, standardized data to policy-makers responsible for setting antimalarial drug policy in malaria-endemic countries. Routinely implemented TES have been key in identifying both artemisinin partial resistance and decreased artemether-lumefantrine efficacy throughout East and Central Africa. These TES have sparked response actions, in-line with WHO's November 2022 Strategy to Respond to Antimalaria Drug Resistance in Africa, including changing or diversifying first and second-line ACTs, strengthening malaria-control efforts in affected areas, and enhancing molecular surveillance. While there have been successes in response to TES findings, challenges remain including identification of best practices for mitigating drug resistance, lack of additional resources for enhanced malaria control efforts in affected areas, and limited affordable alternatives for current drug regimens. This symposium will present TES data for studies carried out between 2022 and 2024 from seven countries (Democratic Republic of Congo, Ethiopia, Kenya, Uganda, Republic of Tanzania, Rwanda, and Burundi) in the epicenter of emergence and spread of artemisinin partial resistance. Talks will also feature country-led actions to prepare for or respond to concerning findings, including drug policy changes, expanded molecular surveillance, and cross-border collaboration. A culminating panel and question and answer session will allow expert speakers to discuss commonalities in both clinical and molecular outcomes presented, overall implications of the current data for the region, challenges with responding to drug resistance, and reasons to be hopeful for the future of antimalarial treatments. #Resistance #Therapeutics #Genomics #EmergingDiseaseThreats #FieldStudies

CHAIR

Leah F. Moriarty
President's Malaria Initiative, Malaria Branch, Centers for Disease Control and Prevention, Atlanta, GA, United States

Fitsum Girma G. Tadesse
AHRI, Addis Ababa, Ethiopia

10:15 a.m.
INTRODUCTION

10:25 a.m.
MOUNTING A COMPREHENSIVE RESPONSE TO ARTEMISININ PARTIAL RESISTANCE; LESSONS FROM KENYA AND TANZANIA
Sarah-Blythe Ballard
US Centers for Disease Control and Prevention, Atlanta, United States

10:40 a.m.
RESULTS OF THE 2023-2024 THERAPEUTIC EFFICACY STUDY IN DEMOCRATIC REPUBLIC OF CONGO AND IMPLICATIONS FOR MITIGATING PARTIAL ARTEMISININ RESISTANCE AND REDUCED EFFECTIVENESS IN THE REGION
Gauthier Mesia Kahunu
University of Kinshasa, Kinshasa, Democratic Republic of the Congo

10:55 a.m.
COMMUNICATING THERAPEUTIC EFFICACY RESULTS TO STAKEHOLDERS TO INFORM IMPLEMENTATION OF RESPONSE ACTIVITIES
Moses Kamya
Infectious Diseases Research Collaboration, Kinshasa, Uganda

11:10 a.m.
PRELIMINARY RESULTS FROM BURUNDI TES 2024
Louise Mahan
United States Agency for International Development, Bujumbura, Burundi

11:25 a.m.
USING THERAPEUTIC EFFICACY DATA TO INFORM DRUG RESISTANCE MANAGEMENT POLICIES IN RWANDA
Jean Damascene Niyonzima
Rwanda Biomedical Center, Kigali, Rwanda

Symposium 63

A Life Well Lived in Global Disease Control and Eradication: Remembering ASTMH President Dr. Joel Breman

Convention Center - Room 343/344 (3rd Floor)
Friday, November 15, 10:15 a.m. - Noon

THIS SESSION DOES NOT CARRY CME CREDIT.

In this symposium, speakers will reflect on the life and contributions of Dr. Joel Breman, 2020 ASTMH President, which include significant impacts in smallpox eradication, discovery and control of the Ebola virus, malaria control, and Guinea worm eradication. Following the speakers and video tributes, there will be time for personal and professional remembrances from the audience.

CHAIR

Karen A. Goraleski
ASTMH CEO Emeritus, Alexandria, VA, United States

Peter H. Kilmarx
Fogarty International Center, Bethesda, MD, United States

10:15 a.m.
TRIBUTE TO DR. JOEL BREMAN FROM THE WORLD HEALTH ORGANIZATION [VIDEO]
Tedros Adhanom Ghebreyesus
World Health Organization, Geneva, Switzerland

10:30 a.m.
REMEMBRANCE OF DR. JOEL BREMAN [VIDEO]
Bill Foege
Emory University, Atlanta, GA, United States

10:35 a.m.
THE DISCOVERY OF EBOLA AND JOEL BREMAN'S LEGACY
Jean-Jacques Muyembe
Institut National de la Recherche Biomédicale (INRB), Kinshasa, Democratic Republic of the Congo

10:50 a.m.

DR. JOEL BREMAN: MALARIA SCIENCE AND PROGRAMS FOR THE PEOPLE

Richard W. Steketee
Consultant, Bethesda, MD, United States

11:05 a.m.

REMEMBERING JOEL BREMAN: A LEGACY OF WARMTH, WISDOM, AND GLOBAL HEALTH LEADERSHIP

Anne W. Rimoin
UCLA Fielding School of Public Health, Los Angeles, CA, United States

11:20 a.m.

DR. JOEL BREMAN AND GLOBAL DISEASE ERADICATION [MODERATOR READING]

Donald R. Hopkins
Carter Center, Atlanta, GA, United States

11:25 a.m.

REMEMBRANCES

11:55 a.m.

CLOSING REMARKS

Karen A. Goraleski
ASTMH CEO Emeritus, Alexandria, VA, United States

Peter H. Kilmarx
Fogarty International Center, Fogarty International Center, Bethesda, MD, United States

Scientific Session 64

Filariasis – Clinical, Immunology, and Diagnosis

Convention Center - Room 345 (3rd Floor)
Friday, November 15, 10:15 a.m. - Noon
This session does not carry CME credit.

#lymphatic filariasis #loiasis #biomarkers #xenomonitoring #diagnostics

CHAIR

Marco A. Biamonte
Big Eye Diagnostics, Inc., San Diego, CA, United States

Jérémy Campillo
TransVIHMI, Institut de Recherche pour le Développement, Montpellier, France

10:15 a.m. 6842

A CRISPR-CAS13A ASSAY FOR DETECTION OF CIRCULATING CELL FREE RNA (CCFRNA) IN ACTIVE *WUCHERERIA BANCROFTI* INFECTION

Carlos F. Ng[1], Sasisekhar Bennuru[2], Amy Lyden[1], Andres A. Dextre[1], Zaina L. Moussa[1], María Díaz De León Derby[1], Thomas B. Nutman[2], Daniel A. Fletcher[1]
[1]University of California, Berkeley, Berkeley, CA, United States, [2]National Institutes of Health, Bethesda, MD, United States

10:30 a.m. 6843

A BIOMARKER ASSAY TO DETECT PEOPLE WITH HIGH *LOA LOA* MICROFILARIA COUNTS

Sarah E. Greene[1], Yuefang Huang[1], Kerstin Fischer[1], Bruce A. Rosa[1], John Martin[1], Makedonka Mitreva[1], Samuel Wanji[2], Joseph Kamgno[3], Philip J. Budge[1], Gary J. Weil[1], Peter U. Fischer[1]
[1]Washington University in St Louis, SAINT LOUIS, MO, United States, [2]University of Buea, Buea, Cameroon, [3]University of Yaounde, Yaounde, Cameroon

10:45 a.m. 6844

A RANDOMIZED DOUBLE-BLIND STUDY COMPARING THE EFFECT OF 3 ANNUAL OR FIVE 6-MONTHLY SINGLE DOSES OF MOXIDECTIN OR IVERMECTIN IN INDIVIDUALS ≥12 YEARS OLD WITH *ONCHOCERCA VOLVULUS* INFECTION IN ITURI PROVINCE, DEMOCRATIC REPUBLIC OF CONGO: EFFICACY AND SAFETY DATA 12 MONTHS AFTER THE FIRST TREATMENT

Tony O. Ukety[1], Michel Mandro-Ndahura[2], Pascal Adroba[1], Deogratias Ucima[1], Françoise Ngave[1], Kaki Kambale-Tsongo[1], Amos Nyathirombo[1], Innocent Mananu[1], Jack Zawadi[1], Gisèle Abeditho[1], Patrick Ubimo[1], Jules Upenjirwoth[1], Moïse Alidra[1], Joël Mande[1], Germain Abafule[1], Claude Uvon[1], Anuarite Raciu[1], Salomon Maki[1], Lyna Biwaga[1], Mathieu Njabu[1], Anouk Neven[3], Annette C. Kuesel[4], Moraye Bear[5], Beatriz Mosqueira[6], Mupenzi Mumbere[6], Melinda Lowe[6], Sally Kinrade[6]
[1]Centre de Recherche en Maladies Tropicales Ituri, Rethy, Democratic Republic of the Congo, [2]Ituri Provincial Health Division, Bunia, Democratic Republic of the Congo, [3]Luxembourg Institute of Health, Strassen, Luxembourg, [4]World Health Organization Special Programme for Research and Training in Tropical Diseases (TDR), Geneva, Switzerland, [5]Forsythe and Bear, LLC, Los Angeles County, CA, United States, [6]Medicines Development for Global Health, Southbank, Australia

11 a.m. 6845

MULTIPLEXING NOVEL BIOMARKERS TO AID POST-ELIMINATION SURVEILLANCE IN LYMPHATIC FILARIASIS

Rachel E. Pietrow[1], Belinda Jackson[2], Edward E. Mitre[2], Thomas B. Nutman[1], Sasisekhar Bennuru[1]
[1]Laboratory of Parasitic Diseases, NIAID, National Institutes of Health, Bethesda, MD, United States, [2]Microbiology and Immunology, School of Medicine, Uniformed Services University of Health Sciences, Bethesda, MD, United States

11:15 a.m. 6846

FIELD EVALUATION IN GHANA OF A NEW OVND5 REAL-TIME PCR METHOD FOR DETECTION OF *ONCHOCERCA VOLVULUS* DNA IN POOLED *SIMULIUM DAMNOSUM S.L.* BLACKFLIES

Jessica Prince-Guerra[1], Gifty Boateng[2], Rexford Adade[2], Andrew Abbott[1], Joseph Opare[3], Odame Asiedu[3], Ellen J. Doku[3], Kofi Asemanyi-Mensah[3], Ben Masiira[4], Thomson Lakwo[4], Ernest Kenu[4], Moukaram Tertuliano[1], Stephen Lindstrom[1], Paul Cantey[1]
[1]US Centers for Disease Control and Prevention (CDC), Atlanta, GA, United States, [2]National Public Health and Reference Laboratory, Ghana Health Service, Accra, Ghana, [3]Neglected Tropical Diseases Program, Ghana Health Services, Accra, Ghana, [4]African Field Epidemiology Network, Kampala, Uganda

11:30 a.m. 6847

SAFETY AND EFFICACY OF A SINGLE DOSE OF 2 MG MOXIDECTIN IN *LOA LOA* INFECTED INDIVIDUALS: A DOUBLE-BLIND, RANDOMIZED IVERMECTIN-CONTROLLED TRIAL WITH ASCENDING MICROFILARIAL DENSITIES

Guy Wafeu[1], Tristan Lepage[2], **Jérémy T. Campillo**[3], Arnaud Efon-Ekangouo[1], Hugues C. Nana-Djeunga[1], Narcisse Nzune-Toche[1], André Domche[1], Laurentine Sumo[1], Guy-Roger Njitchouang[1], Martine A F Tsasse[1], Jean Bopda[1], Yves A. Balog[1], Yannick Niamsi-Emalio[1], Stève Mbickmen-Tchana[1], Gervais K. Talla[1], Yannick Sédrick N. Kana[1], Félicité Diane M. Messina[1], Sebastien D S Pion[4], Annette C. Kuesel[5], Michel Boussinesq[4], Cédric B. Chesnais[4]
[1]Higher Institute of Scientific and Medical Research, Yaoundé, Cameroon, [2]Montpellier University Hospital, Montpellier, France, [3]Inserm, Montpellier, France, [4]Institut de recherche pour le développement, Montpellier, France, [5]UNICEF/UNDP/World Bank/WHO Special Programme for Research and Training in Tropical Diseases, Geneva, Switzerland

11:45 a.m. 6848

NEXT GENERATION OV16-BASED RAPID TESTS: FIELD DATA

Marco Biamonte[1], Sam Marton[1], Lauren Boone[1], Justin Nueve[1], Rhea Perez[1], Lily Sullins[1], Jean Saunders[2], Matthias Schwarz[2], Adina Gerson-Gurwitz[2], Sasisekhar Bennuru[3], Rachel Pietrow[3], Yaya Coulibaly[4], Patrick N. Kpanyen[5], Kerstin Fischer[6], Peter U. Fischer[6], Sarah Sullivan[7], Lee Hundley[7], Yvonne Ashong[8], Dziedzom K. de Souza[8]
[1]Big Eye Diagnostics, Inc., San Diego, CA, United States, [2]DDTD, San Diego, CA, United States, [3]NIAID, Bethesda, MD, United States, [4]ICER Mali, Université des Sciences, des Techniques et des Technologies de Bamako, Bamako, Mali, [5]National Public Health Institute of Liberia (NPHIL), Monrovia, Liberia, [6]Washington University School of Medicine, St Louis, MO, United States, [7]COR-NTD, Task Force for Global Health, Decatur, GA, United States, [8]Noguchi Memorial Institute for Medical Research, Accra, Ghana

Symposium 64A

Early Lessons from the 2024 Rwanda Marburg Outbreak

Convention Center – Room 350/351 (3rd Floor)
Friday, November 15, 10:15 a.m. - Noon

This session will not carry CME credit.

On 27 September 2024, the Ministry of Health of the Republic of Rwanda declared an outbreak of Marburg virus disease (MVD). MVD is a rare but severe hemorrhagic fever that can cause serious illness and death. Symptoms may include fever, headache, muscle and joint pain, fatigue, loss of appetite, gastrointestinal symptoms, or unexplained bleeding (hemorrhaging). Historically, the case fatality rate ranges from 20% to 90%. There is no approved treatment or vaccine.

As of 23 October, Rwanda's Ministry of Health has laboratory confirmed 64 cases of MVD and reported 15 deaths (CFR: 24%). Most reported cases involve healthcare workers with defined epidemiological links. A phase 2 safety and immunogenicity trial began enrollment on October 6, with over 875 individuals vaccinated by October 17. Healthcare providers have administered Remdesivir as both treatment for confirmed cases and post-exposure prophylaxis for close contacts. A randomized controlled trial began on October 15. Additionally, a limited number of monoclonal antibody (MBP-019) infusions have been provided.

This panel aims to provide a comprehensive update on the 2024 Marburg outbreak response in Rwanda, identify challenges, showcase successful interventions, and offer recommendations for improving responses to future outbreaks.

CHAIR
Chris Braden
U.S. Centers for Disease Control and Prevention, Atlanta, GA, United States

10:15 a.m.
INTRODUCTION

10:20 a.m.
MARBURG RESPONSE OVERVIEW
Invited: Sabin Nsanzimana
Ministry of Health, Rwanda, Kigali, Rwanda

10:35 a.m.
USG RESPONSE
Athalia Christie
Senior US Official, Marburg Response Team, CDC, Atlanta, GA, United States

10:40 a.m.
US DOMESTIC PREPAREDNESS
Joel Montgomery
U.S. CDC, Chief, Viral Special Pathogens Branch, Atlanta, GA, United States

10:45 a.m.
MARBURG WHO RESPONSE
Frédérique Jacquerioz Bausch
GOARN and World Health Organization, Geneva, Switzerland

10:50 a.m.
VACCINE TRIAL

10:45 a.m.
DISCUSSION

Scientific Session 65

Arthropods: Arthropods/Entomology - Other

Convention Center - Room 352 (3rd Floor)
Friday, November 15, 10:15 a.m. - Noon

#EcologicalStudies #MolecularBiology #CellBiology

CHAIR
Brian L. Weiss
Yale School of Public Health, New Haven, CT, United States

Ivy Okello
Sokoine University of Agriculture, Morogoro, United Republic of Tanzania

10:15 a.m. 6849

IXOKALLIPIN, A NEW PLASMA KALLIKREIN INHIBITOR FROM *IXODES SCAPULARIS* BINDS TO THE CELL MEMBRANE AND IMPAIRS HEMOSTASIS AND THE SKIN WOUND HEALING

Markus Berger, Jan Kotal, **Lucas Tirloni**
National Institute of Allergy and Infectious Diseases, Hamilton, MT, United States

10:30 a.m. 6850

TSETSE-ENDOSYMBIONT METABOLIC COMPETITION FOR ACYL-CARNITINES REGULATES FLY FECUNDITY BY SUPPRESSING THE VIABILITY OF STORED SPERM

Brian L. Weiss, Erick Awuoche, Serap Aksoy
Yale School of Public Health, New Haven, CT, United States

10:45 a.m. 6851

ANALYSIS OF THE SCABIES ASSOCIATED MICROBIOTA DEMONSTRATES A SHIFT TO OPPORTUNISTICALLY PATHOGENIC BACTERIA

Sara Taylor[1], Martha Zakrzewski[1], Charlotte Bernigaud[2], Nuzhat Surve[3], Pallavi Surase[3], Deepani D. Fernando[1], Gourie P. Hule[4], Mohan G. Karmakar[4], Francoise Botterel[2], Olivier Chosidow[2], Katja Fischer[1]
[1]QIMR Berghofer MRI, Brisbane, Australia, [2]Dermatology Department, Assistance Publique des Hôpitaux de Paris (AP-HP), Hôpital Henri Mondor, Université Paris-Est, Créteil, France, Paris, France, [3]King Edward Memorial Hospital Seth Gordhandas Sunderdas Medical College, Mumbai, India., Mumbai, India, [4]King Edward Memorial Hospital Seth Gordhandas Sunderdas Medical College, Mumbai, India, Mumbai, India

11 a.m.

6852

LEISHMANIA TRANSMISSION IS DISRUPTED IN SANDFLIES COLONIZED BY *DELFTIA TSURUHATENSIS* TC1 BACTERIA

Pedro Cecilio[1], Luana A. Rogerio[2], Tiago D. Serafim[2], Kristina Tang[2], Laura Willen[2], Eva Iniguez[2], Claudio Meneses[2], Luis F. Chaves[3], Yue Zhang[4], Wei Huang[5], Pablo Castaneda-Casado[6], Marcelo Jacobs-Lorena[5], Jesus G. Valenzuela[2], Janneth Rodrigues[6], Fabiano Oliveira[2]

[1]Vector Biology Section, LMVR, NIAID, NIH, Rockville, MD, United States, [2]Vector Molecular Biology Section, LMVR, NIAID, NIH, Rockville, MD, United States, [3]Department of Environmental and Occupational Health, School of Public Health-Bloomington, Indiana University, Bloomington, IN, United States, [4]Integrated Data Sciences Section (IDSS), Research Technologies Branch, NIAID, NIH, Bethesda, MD, United States, [5]Department of Molecular Microbiology and Immunology, Malaria Research Institute, Johns Hopkins Bloomberg School of Public Health, Baltimore, MD, United States, [6]Global Health Medicines R&D, GSK; Tres Cantos, Madrid, Spain

11:15 a.m.

6853

BLOOD FEEDING ACTIVATES THE TERMINAL DIFFERENTIATION OF PRECURSOR CELLS IN TICK SALIVARY GLANDS

Sazzad Mahmood[1], Ana Beatriz Barletta Ferreira[2], Oladele Oluwayiose[3], Christine A. Schneider[4], Jacqueline Leung[4], Melina Garcia Guizzo[5], Stephen Lu[5], Lucas Christian Sousa-Paula[1], Markus Berger[1], Justin Lack[3], Carolina Barillas-Mury[2], Jose M. Ribeiro[5], Lucas Tirloni[1]

[1]Tick-Pathogen Transmission Unit, Laboratory of Bacteriology, National Institute of Allergy and Infectious Diseases, National Institute of Health, Hamilton, MT, United States, [2]Mosquito Immunity and Vector Competence Section, Laboratory of Malaria and Vector Research, National Institute of Allergy and Infectious Diseases, National Institute of Health, Rockville, MD, United States, [3]Collaborative Bioinformatics Research, National Institute of Allergy and Infectious Diseases, National Institute of Health, Bethesda, MD, United States, [4]Electron Microscopy Unit, Research Technologies Branch, National Institute of Allergy and Infectious Diseases, National Institute of Health, Hamilton, MT, United States, [5]Vector Biology Section, Laboratory of Malaria and Vector Research, National Institute of Allergy and Infectious Diseases, National Institute of Health, Rockville, MD, United States

11:30 a.m.

6854

SEASONAL VARIATION IN TSETSE FLY APPARENT DENSITY AND TRYPANOSOMA SPP. INFECTION RATE AND OCCURRENCE OF DRUGRESISTANT TRYPANOSOMES IN LAMBWE, KENYA

Ivy S. Okello[1], Gillian Eastwood[2], Jahashi Nzalawahe[1], Eliakunda Mafie[1]

[1]Sokoine University of Agriculture, Morogoro, United Republic of Tanzania, [2]Virginia Polytechnic Institute and State University, Blacksburg, VA, United States

11:45 a.m.

6855

CHANGES IN CYTOFORM (CYTOSPECIES AND CYTOTYPE) COMPOSITION OF VECTORS OF ONCHOCERCIASIS IN NORTHERN CAMEROON AND ITS POSSIBLE IMPLICATIONS FOR DISEASE ELIMINATION

Franklin Ayisi[1], Dziedzom de Souza[2], Jamie Tallant[3], Eric Bertrand Fokam[4], Daniel Adjei Boakye[3]

[1]African Regional Postgraduate Programme in Insect Science (ARPPIS), University of Ghana, Accra, Ghana, [2]Noguchi Memorial Institute for Medical Research (NMIMR), University of Ghana, Accra, Ghana, [3]The End Fund/Reaching the Last Mile Fund (RLMF), New York, NY, United States, [4]Department of Animal Biology and Conservation, University of Buea, Buea, Cameroon

EDU-CATION CONTENT

Symposium 66

Clinical Tropical Medicine Debates: COVID and Cholera Vaccines

Convention Center - Room 353 (3rd Floor)

Friday, November 15, 10:15 a.m. - Noon

There is more than one approach to many clinical issues in Tropical Medicine, particularly when there is conflicting information or a lack of evidence for best approaches to patient care. This symposium will explore the use of Nirmatrelvir/ritonavir for standby treatment of COVID in international travelers and expanded use of vaccines for prevention of Cholera in a debate style format. Presenters will articulate a pro or con position around each issue followed by a panel discussion of the merits of each argument. #InfectiousDisease #Vaccinology #Therapeutics

CHAIR

Kyle Petersen
Uniformed Services University, Bethesda, MD, United States

John W. Sanders
Wake Forest University School of Medicine, Winston-Salem, NC, United States

10:15 a.m.

INTRODUCTION

10:25 a.m.

NIRMATRELVIR/RITONAVIR STANDBY TREATMENT FOR INTERNATIONAL TRAVELERS: PRO

David O. Freedman
University of Alabama Birmingham, Birmingham, AL, United States

10:45 a.m.

NIRMATRELVIR/RITONAVIR STANDBY TREATMENT FOR INTERNATIONAL TRAVELERS: CON

Pragna Patel
US Centers for Disease Control, Atlanta, GA, United States

11:05 a.m.

EXPANDED CHOLERA VACCINATION FOR INTERNATIONAL TRAVELERS: PRO

Claudio F. Lanata
Instituto de Investigacion Nutricional, Lima, Peru

11:25 a.m.

EXPANDED CHOLERA VACCINATION FOR INTERNATIONAL TRAVELERS: CON

Daniel Leung
University of Utah School of Medicine, Salt Lake City, UT, United States

11:45 a.m.

PANELIST: TROPICAL MEDICINE DEBATES

Lin Chen
Mount Auburn Hospital, Cambridge, MA, United States

Symposium 67

Schistosomiasis and Pre-School Age Children: Burden, Morbidity, and Update on Treatment Approaches

Convention Center – Room 354/355 (3rd Floor)
Friday, November 15, 10:15 a.m. - Noon

This symposium is designed to address the global burden of disease due to schistosomiasis among pre-school aged children, which has much less frequently been addressed in the extant literature and at American Society of Tropical Medicine and Hygiene meetings. Many studies have called to attention the high prevalence of infection in this age group, however until recently, less work has been done to understand the unique impact of schistosomiasis on key morbidities during this vulnerable period of rapid growth, increased risk for infectious diseases, and high risk for anemia and undernutrition. The symposium will describe the prevalence of infection globally in this age group. The symposium will also address key morbidities due to schistosomiasis in pre-school age children which may be uniquely experienced among vulnerable young children. Specifically, we will address the burden due to anemia, intestinal morbidity, and gaps in research with respect to schistosomiasis' impact on linear growth and nutritional status in this age group. In addition, we will review key Praziquantel treatment trials with varying doses (20, 40, 60 mg/kg) for S. mansoni in Cote D'Ivoire and in Lake Albert, Uganda (40 vs 80 mg/kg dosing) with a focus on safety and efficacy in this age group. We will also examine studies that have looked at the impact of more frequent treatment (bi annual vs. annual) in this young age group. In addition, we will also present results for the safety and efficacy of newer oral dispersible formulations for young children. Finally, we will address current implementation approaches and paths forward for implementation of both crushed tablets and oral dispersible formulations in this unique age group. We will highlight challenges and provide suggested solutions to approach treatment in 5-10 years. The final part of the symposium will be devoted to a panel discussion with questions and answers, encouraging input from leaders in our expected audience. #Therapeutics #Pediatrics #Child health #Epidemiology #Infectious Diseases

CHAIR

Jennifer F. Friedman
Center for International Health Research, RI Hospital and Brown University, Providence, RI, United States

Amaya L. Bustinduy
London School of Hygiene & Tropical Medicine, London, United Kingdom

10:15 a.m.
INTRODUCTION

10:25 a.m.
PREVALENCE AND MORBIDITY DUE TO SCHISTOSOMIASIS AMONG PRE SCHOOL AGE CHILDREN AND BURDEN OF ANEMIA DUE TO SCHISTOSOMIASIS IN THIS AGE GROUP

Susannah Colt
Center for International Health Research, RI Hospital and Brown University, Providence, RI, United States

10:40 a.m.
IMPACT OF VARYING PRAZIQUANTEL DOSES (20, 40, 60 MG/KG) ON SAFETY AND EFFICACY FOR THE TREATMENT OF SCHISTOSOMIASIS

Jean Coulibaly
Université Félix Houphouët-Boigny, Abidjan, Côte D'Ivoire

10:55 a.m.
ORODISPERSIBLE ARPRAZIQUANTEL DEVELOPMENT AND NEXT STEPS

Rana Afshar
Ares Trading - an affiliate of Merck Darmstadt KGaA, Geneva, Switzerland

11:10 a.m.
NEEDS AND GAPS IN TREATMENT FOR SCHISTOSOMIASIS AMONG PRESCHOOL AGED CHILDREN

Prudence Beinamaryo
Ministry of Health, Uganda, Kampala, Uganda

11:25 a.m.
IMPACT OF 40 VS 60 MG/KG OF PRAZIQUANTEL ON CURE RATE, EGG REDUCTION RATE, AND MORBIDITY AMONG PRE SCHOOL AGED CHILDREN IN UGANDA

Amaya Lopez Bustinduy
London School of Hygiene &Tropical Medicine, London, United Kingdom

Symposium 68

Health Inequities of Migrants Crossing the Darien Gap

Convention Center - Room 356 (3rd Floor)
Friday, November 15, 10:15 a.m. - Noon

The Darien Gap is a 60-mile break in the Pan-American Highway located between Colombia and Panama. Over the past three years (since 2021-2022), the Darien Gap has become the leading transit point for migrants in route to the United States secondary to changes in Visa requirements into countries in Central America and Mexico. In the decade from 2010-2020 approximately 11,000 persons transited the Darien Gap per year. However, in 2021, the number of people crossing the gap increased to 130,000, in 2022 increased to 250,000 and 2023 increased to 520,000 migrants passed through the Darien Gap. Migrants who transverse the Darien Gap are most commonly from Venezuela and Haiti but also persons from other regions of the world including Afghanistan, Pakistan, Angola and Bangladesh seeking refuge and resettlement in the United States are documented. The route through the Darien is dangerous secondary to the presence of criminal groups, exposure to wild animals and insects, unstable terrain of swamps, jungles and mountains, lack of safe drinking water and lack of access to medical care. As a result, the morbidity and mortality related to crossing the Darien Gap is increasing. Panamanian medical authorities have established infrastructure to provide humanitarian aid to migrants. This symposium will discuss the current health crisis in the Darien Gap including the health risks and medical needs of migrants making the passage through the Darien. #ChildHealth #InfectiousDisease #SocialScience

CHAIR

Jill Weatherhead
Baylor College of Medicine, Houston, TX, United States

Carlos Franco-Paredes
Colorado State University, Fort Collins, CO, United States

10:15 a.m.
INTRODUCTION TO THE DARIEN

Carlos Franco-Paredes
Colorado State University, Fort Collins, CO, United States

10:30 a.m.
UNDERSTANDING THE CHANGING MIGRATION PATTERNS THROUGH THE DARIEN GAP

Julie Turkewitz
New York Times, Bogota, Colombia

11 a.m.
PROVIDING MEDICAL CARE IN THE DARIEN GAP.

Ana Belen Araruz
Hospital Santo Tomas, Panama City, Panama

11:30 a.m.
CLINICAL OBSERVATIONS DURING RESETTLEMENT IN THE US FOR POPULATIONS THAT IMMIGRATED THROUGH THE DARIEN GAP

Christian Olivio
Ryan Health, New York City, NY, United States

Symposium 69

Diagnostic Tool Development and Deployment in the Context of Trachoma, Guinea Worm, and Polio Elimination and Eradication Programs – Lessons Learned and Considerations for Future Initiatives

Convention Center - Room 357 (3rd Floor)
Friday, November 15, 10:15 a.m. - Noon

All neglected tropical disease (NTD) programs have a need for accurate and reliable diagnostic tools to help guide the timely implementation of program interventions. Sensitive and specific diagnostic tools are needed to generate data for programmatic decision-making and policy action. However, specific diagnostic tools and their use cases are dictated by the nature of the disease and the scope of the given NTD program. Diagnostic tools need to be fit-for-purpose, though the specific needs and purposes of the tools may change over the life of a given NTD elimination or eradication program. This symposium will follow a format of five talks topically related to diagnostic development and deployment and conclude with a moderated discussion amongst panelists and symposium participants to address some of these NTD diagnostic considerations. Through the talks, symposium participants will learn how diagnostic tools have been developed to support trachoma, Guinea worm, and polio elimination and eradication programs. Panelists will share what it takes to validate, field test, and ultimately deploy successful diagnostic interventions in disease-endemic contexts. Presentations will touch on lessons learned and possible implications for future diagnostic initiatives while alluding to what is on the horizon for diagnostics development. Presenters from disease-endemic countries will reflect on the data and programmatic opportunities generated by the introduction of novel diagnostic tools within the context of their NTD programs. Collectively, the panelists will highlight diagnostic considerations and use cases common to some NTDs and also identify unique requirements of certain NTD programs and how those may change during the lifespan of NTD elimination and eradication programs. #Diagnostics #Elimination #InfectiousDisease #PopulationSurveillance #Prevention

CHAIR

Adam J. Weiss
The Carter Center, Atlanta, GA, United States

Diana L. Martin
Centers for Disease Control and Prevention, Atlanta, GA, United States

10:15 a.m.
INTRODUCTION

10:25 a.m.
NOVEL TOOLS FOR AN ANCIENT DISEASE: THE NEED FOR SPEED AND DIFFERENT DIAGNOSTIC TOOLS

Maryann G. Delea
The Carter Center, Atlanta, GA, United States

10:40 a.m.
DEVELOPMENT AND DEPLOYMENT OF NOVEL DIAGNOSTIC TOOLS FOR ENVIRONMENTAL SURVEILLANCE OF POLIO AND OTHER INFECTIOUS DISEASES IN LOW TO MIDDLE INCOME COUNTRIES: LESSONS LEARNED AND CONSIDERATIONS FOR OTHER NTD PROGRAMS

Mami Taniuchi
University of Virginia, Charlottesville, VA, United States

10:55 a.m.
POSSIBLE OPPORTUNITIES FOR NOVEL DIAGNOSTIC TOOLS TO SUPPORT GUINEA WORM ERADICATION EFFORTS AND CHALLENGES TO FIELD VALIDATION AND IMPLEMENTATION

Richard Ngandolo Bongo Nare
Institut de Recherche en Elevage pour le Développement (IRED), N'Djamena, Chad

11:10 a.m.
BRINGING NEW APPROACHES FOR TRACHOMA SURVEILLANCE FROM RESEARCH TO PROGRAM AND IMPLICATIONS FOR OTHER NTDS

Diana L. Martin
Centers for Disease Control and Prevention, Atlanta, GA, United States

11:25 a.m.
IMPLEMENTATION OF TRACHOMA SEROLOGICAL TOOLS TO SUPPORT PROGRAMS IN LMICS AND NEW TESTS ON THE HORIZON

Sammy Njenga
Kenya Medical Research Institute, Nairobi, Kenya

Symposium 70

Earth Observation for Health: Integrating Novel Data Streams in Decision-Support Systems for Climate Sensitive Infectious Diseases

Convention Center - Room 383/384/385 (3rd Floor)
Friday, November 15, 10:15 a.m. - Noon

Global environmental change disrupts existing social and ecological systems, with major impacts on the transmission of climate-sensitive infectious diseases. Changes in temperature and rainfall patterns can directly alter distribution and life cycles of disease vectors. Extreme weather, droughts and other disasters can severely impact disease control program operations and lead to increased population movement or other behavioral changes. Climate change impacts are highly context specific and can be exacerbated by other environmental changes, such as urbanization and deforestation. Disease surveillance systems need to detect and respond to these changing risks. The increasing availability of Earth Observation data from drones and satellites, improved forecasts and advances in machine learning offer new opportunities to use environmental data to target surveillance. This symposium will present novel tools for integrating environmental data into operational disease surveillance activities, with examples at local, national, and regional levels. This will include the use of forecasts of El Niño Southern Oscillation driven climate anomalies in dengue early warning systems in Latin America and the Caribbean, how spatial and environmental data is used to target disease surveillance in Singapore, Colombia and Mozambique and the use of drones and satellite-based radar data to design more efficient vector surveillance in forested regions of Malaysia and Peru. A multidisciplinary panel with experience in research and policy will discuss experiences and challenges of linking health and environmental data for disease surveillance and identify future research priorities. #ClimateChange #Epidemiology #InfectiousDisease #Modeling #PopulationSurveillance

CHAIR

Kimberly Fornace
National University of Singapore, Singapore, Singapore

Rachel Lowe
Catalan Institution for Research and Advanced Studies (ICREA), Barcelona, Spain

10:15 a.m.
INTRODUCTION

10:25 a.m.
COMBINING EARLY INDICATORS OF CLIMATIC ANOMALIES AND DOMINANT SEROTYPE SWITCHES TO PREDICT DENGUE OUTBREAKS IN SINGAPORE

Chia-Chen Chang
National Environmental Agency, Singapore, Singapore

10:45 a.m.
BUILDING AN URBAN SYSTEMS APPROACH FOR UNDERSTANDING *AEDES*-BORNE DISEASES IN COLOMBIA

Pallavi Kache
Centers for Disease Control and Prevention, Atlanta, GA, United States

11:05 a.m.
EL NIÑO DRIVEN DISEASE FORECASTING (ENDCAST) OF INFECTIOUS DISEASE OUTBREAKS IN HOTSPOTS ACROSS THE LATIN AMERICA AND CARIBBEAN

Chloe Fletcher
Barcelona Supercomputing Centre, Barcelona, Spain

11:25 a.m.
INTEGRATING DRONE AND SYNTHETIC APERATURE RADAR (SAR) SATELLITE DATA TO DESIGN VECTOR SURVEILLANCE FOR FORESTED LANDSCAPES IN MALAYSIA AND PERU

Edgar Manrique Valverde
Universidad Peruana Cayetano Heredia, Lima, Peru

11:45 a.m.
MOZAMBIQUE'S CLIMATE AND HEALTH OBSERVATORY EXPERIENCES ON SUPPORTING HEALTH SYSTEMS FOR INFECTIOUS DISEASE SURVEILLANCE

Tatiana Marrufo
Instituto Nacional de Saúde, Moçambique, Maputo, Mozambique

Symposium 71

Working Together: How NTD Elimination and Maternal Health Programs Can Learn and Collaborate to Decrease Disease and Maternal Mortality

Convention Center - Room 388/389 (3rd Floor)
Friday, November 15, 10:15 a.m. - Noon

The Symposium will update participants on progress around the neglected intersection of Sexual and Reproductive Health and Rights (SRHR) and Tropical Medicine since the ASTMH session held in 2021. Using female genital schistosomiasis (FGS), Chagas, and recent advances in rapid reduction of maternal mortality and morbidity as examples to look at the critical interface between programs to accelerate progress across the SDGs. For example, using a set of public health tools typically combined in disease eradication programs and applying these tools systematically with low-cost disease-specific technologies recently led to a 34.5% reduction in overall maternal mortality in health facilities nationwide in Niger. Additionally, the ability to rapidly prevent obstructed labor mortality and obstetric fistula incidence was documented in 2014, though on a smaller scale. Through congenital Chagas prevention work, Chagas screening has been successfully integrated into maternal screening in many endemic areas building on the strength of HIV and HepB prevention. In female genital schistosomiasis (FGS) interventions have been integrated across sexual and reproductive health programs to improve outcomes for women and girls. In addition to educating participants about these advances, the Symposium will end with a panel discussion and open input from participants and a panel, to think together about research and programmatic implications of the advances shared through the three opening presentations, and explore other opportunities to break down the silos between maternal health and tropical diseases. #MNCH #InfectiousDisease #Prevention #TranslationalScience #ChildHealth

CHAIR

Julie Jacobson
Bridges to Development, Vashon, WA, United States

Anders Seim
HDI (Health & Development International), Fjellstrand, Norway

10:15 a.m.
INTRODUCTION

10:25 a.m.
DISEASE ERADICATION TOOLS HELPING REDUCE PPH MORTALITY IN NIGER

Zeidou Alassoum
HDI (Health & Development International), Niamey, Niger

10:45 a.m.
NIGER'S RAPID REDUCTION OF POSTPARTUM HEMORRHAGE MORTALITY IN HEALTH FACILITIES HELPED BY DISEASE ERADICATION TOOLS

Asma Gali
Ministry of Health of Niger (ret.), Niamey, Niger

11:05 a.m.
UPDATES ON THE INTERSECTION OF SEXUAL AND REPRODUCTIVE HEALTH AND RIGHTS (SRHR) AND TROPICAL DISEASES; HIGHLIGHTS ON CONGENITAL CHAGAS AND FEMALE GENITAL SCHISTOSOMIASIS (FGS)

Julie Jacobson
Bridges to Development, Vashon, WA, United States

11:25 a.m.
PANEL DISCUSSION AND OPEN QUESTIONS ON THE INTERSECTION OF MATERNAL HEALTH AND TROPICAL DISEASES

Anders R. Seim
HDI (Health & Development International), Fjellstrand, Norway

Scientific Session 72

Malaria: Immunology

Convention Center - Room 391/392 (3rd Floor)
Friday, November 15, 10:15 a.m. - Noon

CHAIR

Katherine Dobbs
Case Western Reserve University, Cleveland, OH, United States

Prasida Holla
Indiana University School of Medicine, Indianapolis, IN, United States

10:15 a.m. **6856**

MATERNAL MICROCHIMERISM IS ASSOCIATED WITH AN ALTERED TRANSCRIPTIONAL PROFILE OF *PLASMODIUM FALCIPARUM*-SPECIFIC T CELLS IN MALIAN CORD BLOOD

Yonghou Jiang[1], John Houck[1], Marc Carlson[1], Almahamoudou Mahamar[2], Gaoussou Santara[2], Oumar Attaher[2], Robert Morrison[3], Sudhir Kumar[4], Blair Armistead[1], Irfan Zaidi[3], Stefan Kappe[5], Alassane Dicko[2], Patrick E. Duffy[3], Michal Fried[3], Marion Pepper[6], **Whitney E. Harrington**[5]
[1]Seattle Children's Research Institute, Seattle, WA, United States, [2]International Center for Excellence in Research, Bamako, Mali, [3]Laboratory of Malaria Immunology & Vaccinology, National Institute of Allergy and Infectious Disease, Bethesda, MD, United States, [4]Department of Biomedical Sciences, Iowa State University, Ames, IA, United States, [5]Seattle Children's Research Institute / University of Washington, Seattle, WA, United States, [6]University of Washington, Seattle, WA, United States

(ACMCIP Abstract)

10:30 a.m. **6857**

TRANSPLACENTAL TRANSFER OF FUNCTIONAL ANTIBODIES DIRECTED AGAINST *PLASMODIUM FALCIPARUM* BLOOD STAGE ANTIGENS

Djelili Biaou[1], Aziz Bouraïma[2], Ibrahim Sadissou[2], David Courtin[1], Andre Garcia[1], Florence Migot-Nabias[1], Achille Massougbodji[3], Michael Theisen[4], Sébastien Dechavanne[1], Celia Dechavanne[1]
[1]Affiliation 1: Université de Paris, Institut de Recherche pour le Développement (IRD), UMR 261 MERIT, Paris France. Affiliation 2: CERPAGE (Centre d'Etude et de Recherche sur les Pathologies Associées à la Grossesse et à l'Enfance), Cotonou, Benin, [2]CERPAGE (Centre d'Etude et de Recherche sur les Pathologies Associées à la Grossesse et à l'Enfance), Cotonou, Benin, [3]Institut de Recherche Clinique du Bénin (IRCB), Cotonou, Benin, [4]Centre for Medical Parasitology at Department of International Health, Immunology and Microbiology, University of Copenhagen and Department for Congenital Disorders, Statens Serum Institut, Copenhagen, Denmark

(ACMCIP Abstract)

10:45 a.m. **6858**

ANTIBODY FC GLYCOSYLATION MODULATES NATURAL KILLER CELL-MEDIATED ADCC IN MALARIA-EXPOSED PREGNANT WOMEN

Savannah N. Lewis[1], Adam S. Kirosingh[1], Kattria van der Ploeg[1], Kathleen D. Press[1], Felistas Namirimu Nankya[2], Kenneth Musinguzi[2], Evelyn Nansubuga[2], Stephen Tukwasibwe[2], Mary Lopez-Perez[3], Moses R. Kamya[2], Philip Rosenthal[4], Grant Dorsey[4], Lars Hviid[3], Prasanna Jagannathan[1]
[1]Stanford University School of Medicine, Stanford, CA, United States, [2]Infectious Diseases Research Collaboration, Kampala, Uganda, [3]University of Copenhagen, Copenhagen, Denmark, [4]University of California, San Francisco, San Francisco, CA, United States

(ACMCIP Abstract)

11 a.m. **6859**

CHRONIC *PLASMODIUM* INFECTIONS CAUSE PERSISTENT CHANGES IN THE HOST IMMUNOLOGICAL LANDSCAPE

Saniya S. Sabnis[1], Celia L. Saney[1], Monica Cabrera-Mora[2], The MaHPIC Consortium –[2], Ignacio Sanz[2], F. Eun-Hyung Lee[2], Jessica C. Kissinger[1], Regina Joice-Cordy[3], Alberto Moreno[2], Tracey J. Lamb[4], Mary R. Galinski[2], Chester J. Joyner[1]
[1]University of Georgia, Athens, GA, United States, [2]Emory University, Atlanta, GA, United States, [3]Wake Forest University, Winston-Salem, NC, United States, [4]University of Utah, Salt Lake City, UT, United States

(ACMCIP Abstract)

11:15 a.m. **6860**

BASELINE INNATE IMMUNE ACTIVATION AND INFLAMMATION IS CORRELATED WITH CONTROL OF SUBSEQUENT PARASITEMIA IN VERY YOUNG MALIAN CHILDREN

Prasida Holla[1], Jyoti Bhardwaj[2], Erik L. Gaskin[2], Safiatou Doumbo[3], Aissata Ongoiba[3], Philip L. Felgner[4], Christine S. Hopp[5], Xiaoling Xuei[6], Labeeb Hossain[7], Kassoum Kayentao[3], Boubacar Traore[3], Peter D. Crompton[8], Tuan M. Tran[9]
[1]Ryan White Center for Pediatric Infectious Diseases and Global Health, Indiana University School of Medicine, Indianapolis, IN, United States, [2]Division of Infectious Diseases, Department of medicine, Indiana University School of Medicine, Indianapolis, IN, United States, [3]Mali International Center of Excellence in Research, University of Sciences, Techniques and Technologies of Bamako, Bamako, Mali, [4]Division of Infectious Diseases, School of Medicine, University of California, Irvine, Irvine, CA, United States, [5]Bernhard Nocht Institute for Tropical Medicine, Hamburg, Germany, [6]Medical and Molecular Genetics, Indiana University School of Medicine, Indianapolis, IN, United States, [7]Indiana University Bloomington, Bloomington, IN, United States, [8]Laboratory of Immunogenetics, National institute of Allergy and Infectious Diseases (NIAID), National institutes of health (NIH), North Bethesda, MD, United States, [9]Ryan White Center for Pediatric Infectious Diseases and Global Health & Division of Infectious Diseases, Department of medicine, Indiana University School of Medicine, Indianapolis, IN, United States

(ACMCIP Abstract)

11:30 a.m. **6861**

PVDBP GENE AMPLIFICATION PROTECTS *PLASMODIUM VIVAX IN VIVO* AGAINST HOST NATURALLY ACQUIRED ANTI-PVDBP IMMUNITY

Lea Baldor[1], Brice Feufack-Donfack[1], Dynang Seng[1], Sokleap Heng[1], Nichole D. Salinas[2], Niraj H. Tolia[2], Chetan E. Chitnis[3], Ivo Mueller[4], Christopher L. King[5], Eugenia Lo[6], Benoit Witkowski[7], Claude Flamand[1], Jean Popovici[1]
[1]Institut Pasteur Cambodge, Phnom Penh, Cambodia, [2]National Institute of Allergy and Infectious Diseases, Bethesda, MD, United States, [3]Institut Pasteur Paris, Paris, France, [4]The Walter and Eliza Hall Institute of Medical Research, Melbourne, Australia, [5]Center for Global Health and Diseases, Cleveland, OH, United States, [6]Department of Microbiology and Immunology, Drexel University, Philadelphia, PA, United States, [7]Institut Pasteur Madagascar, Antananarivo, Madagascar

(ACMCIP Abstract)

11:45 a.m. **6862**

IMMUNO-INFORMATIC APPROACH TO IDENTIFYING VARIANT-TRANSCENDENT NATURALLY-ACQUIRED PROTECTION AGAINST *PLASMODIUM FALCIPARUM*

Katherine Chew, Steve Taylor, Wendy O'Meara, Christine Markwalter
Duke University, Durham, NC, United States

(ACMCIP Abstract)

Scientific Session 73

Malaria: Prevention

Convention Center - Room 393/394 (3rd Floor)
Friday, November 15, 10:15 a.m. - Noon

#Prevention #InfectiousDisease #FieldStudies

CHAIR

Caroline A. Ogwang
Kenya Medical Research Institute, Centre for Global Health Research, Kisumu, Kenya

Alphonse Ouedraogo
Groupe Action de Recherche en Santé, Ouedraogo, Burkina Faso

10:15 a.m. **6863**

OLYSET®PLUS CEILING NETS PROTECT AGAINST MALARIA: FINDINGS FROM A CLUSTER RANDOMIZED CONTROLLED TRIAL OF THE EFFECTIVENESS OF OLYSET®PLUS CEILING NET ON REDUCING MALARIA PREVALENCE AND INCIDENCE ON MFANGANO ISLAND, LAKE VICTORIA BASIN, KENYA

Wataru Kagaya[1], Chim Wai Chan[2], James Kongere[3], Bernard N. Kanoi[4], Mtakai Ngara[5], Protus Omondi[2], Laura Barbieri[2], Achyut KC[5], Gordon Okomo[6], Noboru Minakawa[1], Jesse Gitaka[4], Akira Kaneko[5]
[1]Institute of Tropical Medicine, Nagasaki University, Nagasaki, Japan, [2]Graduate School of Medicine, Osaka Metropolitan University, Osaka, Japan, [3]Cetre for Research in Tropical Medicine and Community Development, Nairobi, Kenya, [4]Directorate of Research and Innovation, Mount Kenya University, Thika, Kenya, [5]Karolinska Institutet, Stockholm, Sweden, [6]Ministry of Health, Homa Bay County, Homa Bay, Kenya

10:30 a.m. **6864**

EFFECTIVENESS OF CHLORFENAPYR-PYRETHROID INSECTICIDE-TREATED NETS ON DECREASING MALARIA IN LIBERIA: AN OBSERVATIONAL ANALYSIS USING ROUTINE HEALTH FACILITY DATA, 2019-2023

Emily R. Hilton[1], D. Levi Hinneh[2], Chrispin Williams[3], Patrick Konwloh[2], Trokon Washington[2], Ibrahima Baber[4], Yemane Yihdego[5], Tuwuyor Belleh[4], Miriam Williams[5], Melissa Yoshimizu[6], Uwem Inyang[7], Sarah Burnett[8]
[1]PMI Evolve Project, PATH, Seattle, WA, United States, [2]National Malaria Control Program, Monrovia, Liberia, [3]National Malaria Control Program, Monrovia, Libya, [4]PMI Evolve Project, Abt Associates, Monrovia, Liberia, [5]PMI Evolve Project, Abt Associates, Rockville, MD, United States, [6]U.S. President's Malaria Initiative, U.S. Agency for International Development, Washington, DC, United States, [7]U.S. President's Malaria Initiative, U.S. Agency for International Development, Monrovia, Liberia, [8]PMI Evolve Project, PATH, Washington, DC, United States

10:45 a.m. **6865**

REDUCTION IN MALARIA CASES AFTER DEPLOYMENT OF IG2 NETS IN AN AREA WITH KNOWN PYRETHROID RESISTANCE AND MARKED OUTDOOR BITING - AN INTERRUPTED TIME SERIES ANALYSIS

Samuel Kweku Oppong[1], Otubea Owusu-Akrofi[2], Christian Atta-Obeng[2], Wahjib Mohammed[2], Punam Amratia[3], Nana Yaw Peprah[2], Peter Gething[4], Keziah L. Malm[2]
[1]Curtin University, Bentley, Australia, [2]National Malaria Elimination Programme, Accra, Ghana, [3]Malaria Atlas Project, Dar esalam, United Republic of Tanzania, [4]Malaria Atlas Project, Telethon Kids Institute, PERTH, Australia

11 a.m. **6866**

EFFECT OF ATTRACTIVE TARGETED SUGAR BAITS (ATSBS) ON MALARIA INCIDENCE IN CHILDREN IN WESTERN KENYA: A CLUSTER-RANDOMIZED CONTROLLED TRIAL

Caroline Ogwang[1], Alice Kamau[2], Kizito Obiet[1], Brian Seda[1], Daniel McDermott[2], Julia M. Janssen[3], Wycliffe Odongo[3], Julie R. Gutman[3], Jonathan Schultz[4], Frank Aduwo[1], Mercy Chepkirui[1], Oliver Towett[1], Maia Lesosky[5], Martin Donnelly[2], Simon Kariuki[1], Aaron Samuels[4], Feiko ter Kuile[2], Sarah G. Staedke[2]
[1]Kenya Medical Research Institute, Centre for Global Health Research, Kisumu, Kenya, [2]Liverpool School of Tropical Medicine, Liverpool, Liverpool, United Kingdom, [3]Division of Parasitic Diseases and Malaria, National Center for Emerging and Zoonotic Infectious Diseases, Centers for Disease Control and Prevention, Atlanta, GA, United States, [4]Malaria Branch, National Center for Emerging and Zoonotic Infectious Diseases, US Centers for Disease Control and Prevention, Kisumu, Kenya, [5]Imperial College London, London, United Kingdom

11:15 a.m.

6867

SAFETY < EFFICACY OF INTERMITTENT PRESUMPTIVE TREATMENT IN PREGNANCY WITH SULFADOXINE-PYRIMETHAMINE USING RAPID DIAGNOSTIC TEST SCREENING < TREATMENT WITH DIHYDROARTEMSININ-PIPERAQUINE AT FIRST ANTENATAL CARE VISIT PRELIMINARY RESULTS

Jean-Bertin Bukasa Kabuya[1], Matthew Ippolito[2], Christine Manyando[1]
[1]Tropical Diseases Research Centre, Ndola, Zambia, [2]Johns Hopkins University, Baltimore, MD, United States

11:30 a.m.

6868

THE IMPACT OF SEASONAL MALARIA CHEMOPREVENTION ON THE EDUCATIONAL OUTCOMES OF SCHOOL-AGED CHILDREN IN SUB-SAHARAN AFRICA

Mohammed Ndiaye[1], Donal Bisanzio[2], Amber Gove[2], Lauren Cohee[3], Richard Reithinger[2]
[1]University of Maryland, College Park, MD, United States, [2]RTI International, Washington, DC, United States, [3]Liverpool School of Tropical Medicine, Liverpool, United Kingdom

11:45 a.m.

Lightning Talks

(Lightning Talks are two-minute talks to highlight abstracts assigned to poster presentations.)

8018

PHARMACOKINETIC AND PHARMACODYNAMIC MODELING OF MONTHLY TAFENOQUINE IN HEALTHY VIETNAMESE VOLUNTEERS FOR MALARIA PROPHYLAXIS AND ELIMINATION

Song H. Le[1], The T. Nguyen[1], Thu M. Nguyen[2], Long K. Tran[2], Huy C. Nguyen[3], Andrew G. Letizia[3], John S. Brooks[3], Michael J. Gregory[3], Geoffrey W. Birrell[4], Karin Van Breda[4], Dennis Shanks[4], Michael D. Edstein[4], **Joel Tarning**[5]
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ASSESSMENT OF EPIDEMIOLOGIC IMPACT ON MALARIA FOLLOWING DRONE-BASED LARVICIDING WITH *BACILLUS THURIGIENSIS ISRAELENSIS IN* TWO DISTRICTS OF MADAGASCAR, 2022

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PRECARIOUS SECURITY CONTEXT AND ADAPTATIVE METHODS TO IMPLEMENT SEASONAL MALARIA CHEMOPREVENTION (SMC) IN BURKINA FASO

Moumouni Bonkoungou[1], Ousmane Badolo[1], Frederic Guigma[1], Francine Ouedraogo[1], Edward Kenyi[2], Andre Kone[1], Lolade Oseni[2], Sidzabda KOMPAORE[3], Martine Balima[1], Amsetou Ouiya[1], Justin Tiendrebeogo[1], Sayouba Sebgo[1], Mame Birame DIOUF[4], Irène Yaméogo Ngendakumana[4], Gladys Tetteh[2]
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WHAT HAPPENS WHEN CHEMOPREVENTION OF SEASONAL MALARIA IS STOPPED: EXPERIENCE IN THE SOUTHERN SENEGALESE REGION OF SÉDHIOU

amadou yéri camara[1], carlotta carboni[2], primo buscemi[2], maria caldes[2], mansour faye[1], mamadou lamine gueye[3], alioune badara gueye[4], adama faye[5], ibrahima seck[6]
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Symposium 74

The Path Towards a Treatment for Dengue: Endemic Country Leadership, Progress and Perspectives

Convention Center - Room 395/396 (3rd Floor)
Friday, November 15, 10:15 a.m. - Noon

This session does not carry CME credit.

Dengue virus is the most important arboviral infection worldwide, having caused over 5 million cases and 5,000 deaths since the start of 2023. Climate change, human migration, inequities, and lack of effectiveness of vector control measures have contributed to a notable increase in the geographical area of transmission and number of cases in recent years. Despite the advances in vaccines and new vector control measures, the burden of disease is likely to remain high and even increase as these recent technologies have a slow and limited implementation in the affected areas. Currently dengue case management relies exclusively in the stratification of severity of cases and hydration, with difficulties of application in strained health system and to individuals with specific conditions, such as extremes of ages and people with comorbidities. In 2022, the Dengue Alliance was launched by institutions from dengue-endemic countries with DNDi with the aim to develop affordable and accessible treatment for dengue. In this symposium, the landscape from pre-clinical studies to clinical trials of promising approaches for finding effective and accessible dengue treatments will be addressed by a range of speakers with complimentary and diverse expertise and backgrounds. #ClimateChange #ClinicalResearch #EmergingDiseaseThreats #Therapeutics #TranslationalScience

CHAIR

André Machado Siqueira
INI, FIOCRUZ, Rio de Janeiro, Brazil

Isabela Ribeiro
Drugs for Neglected Diseases initiative (DNDi), Geneva, Switzerland

10:15 a.m.
INTRODUCTION

10:25 a.m.
OVERVIEW OF EPIDEMIOLOGY, GAPS IN DENGUE MANAGEMENT AND THE NEED FOR TREATMENTS, AND THE NEW TARGET PRODUCT PROFILE

Steven Lim
Ministry of Health, Raja Permaisuri Bainun Hospital, Ipoh, Malaysia

10:40 a.m.

NEW SEROPREVALENCE STUDIES OF DENGUE IN THE AFRICAN CONTINENT: AN UPDATED GLOBAL BURDEN MAP

Anna Vicco
Imperial College, London, United Kingdom

10:55 a.m.

PRECLINICAL RESULTS AND RATIONALE FOR SELECTION OF ANTIVIRAL AND HOST-DIRECTED TREATMENT CANDIDATES FOR CLINICAL TESTING

Mauro M. Teixeira
Universidade Federal de Minas Gerais, Belo Horizonte, Brazil

11:10 a.m.

CHALLENGES AND OPPORTUNITIES OF DENGUE TREATMENT DEVELOPMENT

Richa Chandra
Novartis, East Hanover, NJ, United States

11:35 a.m.

CLINICAL TRIAL PLATFORM FOR THE EVALUATION OF NEW DENGUE TREATMENTS

Isabela Ribeiro
DNDi, Zurich, Switzerland

Exhibit Hall Open

Convention Center - Hall J (1st Floor)
Friday, November 15, Noon - 1:30 p.m.

Poster Session 75

Poster Session B

Convention Center - Hall I-1 (1st Floor)
Friday, November 15, Noon - 1:45 p.m.

Poster Session B Directory

Global Health - Diversity, Inclusion, Decolonization and Human Rights

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URGENCY OF PHARMACEUTICAL SECTOR REFORM TO ACHIEVE UNIVERSAL HEALTH COVERAGE IN NEPAL

Pradip Lamsal, Krishna P Adhikary
Helping Hands Community Hospital, Kathmandu, Nepal

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UNDERSTANDING COVID-19 VACCINE HESITANCY AMONG KEY STAKEHOLDERS IN A CONFLICT AFFECTED AREA OF CAMEROON, A FOCUS GROUP DISCUSSION APPROACH

HENRY FOMUKONG NZOZONE[1], Ngwingnchi Belove Asaah[2], Joyce Amambo Nzozone[1], Oben Pamela epse Besong[3]
[1]konye Health District, Regional Delegation Of Public Health, Southwest, Cameroon, [2]Panafrican Institude of Development, west Africa, SOUTHWEST, Cameroon, [3]Regional Coordination unit EPI, REGIONAL DELEGATION OF PUBLIC HEALTH, SOUTHWEST, Cameroon

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THE INFLUENCING FACTORS OF QUALITY OF LIFE AMONG INDIVIDUALS RESIDING IN RURAL AND URBAN AREAS OF THAILAND DURING THE COVID-19 PANDEMIC

Wiriya Mahikul, Wisut Lamlertthon, Kanchana Ngaosuwan, Kornphaka Phatthanagumphol, Pisinee Narayam, Nattakitta Mektripop
Chulabhorn Royal Academy, Lak Si, Thailand

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MEASURING CLIENT EXPERIENCE OF CARE FOR PERENNIAL MALARIA CHEMOPREVENTION (PMC) IN BENIN

Cyprien Zinsou[1], Paul Bouanchaud[2], Isidore Kikissagbe[1], Ghyslain Guedegbe[1], Maya Schane[3], Charlotte Eddis[3]
[1]ABMS, Cotonou, Benin, [2]PSI, Washington, DC, United States, [3]PSI, Abidjan, Côte D'Ivoire

6873

THE WHO VACCINE INNOVATION FRAMEWORK: COUNTRY STAKEHOLDER DELIBERATIONS TO ASSESS THE PROGRAMMATIC NEED AND USE CASE FOR INNOVATIVE VACCINE PRODUCTS

Anna-Lea Kahn, Dijana Spasenoska
World Health Organization, Geneva, Switzerland

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EQUALITY IN AJTMH PUBLICATIONS FROM 1952 TO 2024: WHAT CAN WE LEARN TO MAKE GLOBAL HEALTH RESEARCH PUBLISHING MORE EQUITABLE? PROTOCOL FOR A BIBLIOMETRIC ANALYSIS

Nabila F. Youssouf[1], Rebecca L. Luckett[1], Sara Schwanke Khilji[1], Pooja Gala[2]
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FINANCING LANDSCAPE FOR KEY POPULATIONS HIV/AIDS IN UGANDA: MARCH 2022

ARNOLD TAREMWA[1], Charlotte Muheki[2], Felix Rutaro[3]
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6876

EXPLORING ROLES, POWER DYNAMICS, AND CULTURAL SIGNIFICANCE OF ELDERS' AUTHORITY DURING DEATH IN RURAL SOUTH AFRICA

Zokwane L. Mondlane[1], Laura-Lynne Brandt[1], Gift Mathebula[1], Sara Jewett[2], Kathleen Kahn[1], Jessica Price[1], Ryan G. Wagner[1]
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CENTRING LIVED EXPERIENCE WITHIN HEALTH SYSTEMS REFORM CO-PRODUCED APPROACHES AMONG PEOPLE AFFECTED BY SKIN NEGLECTED TROPICAL DISEASES IN LIBERIA

Emmanuel Zaizay[1], **Hannah Berrian**[2], Laura Dean[3], Shahreen Chowdhury[3], India Hotopf[3], Wede Tate[2], Jerry Kollie[2], Colleen Parker[4], John Solunta Smith Jr.[2], Karsor Kollie[4], Zeela Zaizay[5], Tia Akpan[6], Rosalind McCollum[3], Sally Theobald[3]
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EMPOWERING EARLY-CAREER WOMEN IN BIOSCIENCES: A PILOT MENTORSHIP INITIATIVE AT NNAMDI AZIKIWE UNIVERSITY, NIGERIA

Ogechukwu Benedicta Aribodor[1], Eneyi E. Kpokiri[2]
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NAVIGATING HEALTHCARE HURDLES IN LORETO: EVALUATING BARRIERS TO ACCESS

Maribel Paredes Olortegui[1], Karin F. Perez Garcia[1], Mario Güimack Fajardo[1], Loida F. Zegarra Paredes[1], Francesa Schiaffino[2], Josh M. Colston[3], Pablo Peñataro Yori[3], Patricia Pavlinac[4], Margaret N. Kosek[3]
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ADDRESSING STRUCTURAL BARRIERS AND HUMAN RIGHTS IN MALARIA SERVICES IN UGANDA AND KENYA

Joseph J. Amon[1], Megan McLemore[1], Alistair Shaw[2], Alexandrina Iovita[2]
[1]Drexel University, Philadelphia, PA, United States, [2]Global Fund Against HIV, TB and Malaria, Geneva, Switzerland

6881

ADVANCING GENDER EQUALITY WILL STRENGTHEN INTERVENTIONS FOCUSED ON ENDING THE MALARIA EPIDEMIC

Alistair Shaw[1], Emilomo Ogbe[1], Thea Willis[1], Tara Talvacchia[2], Kirsten Gagnaire[2]
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LEVERAGING GLOBAL FUND INVESTMENTS: PROTECTING THE RIGHT TO HEALTH AND LIMITING FINANCIAL HARDSHIP

Alistair Shaw, Michelle Remme, Alexandrina Iovita
The Global Fund to Fight AIDS, Tuberculosis and Malaria, Geneva, Switzerland

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CITIZENS AS INFLUENCERS OF HEALTH SERVICE AVAILABILITY AND NOT AS CONSUMERS ONLY

Alex Mukembo, Alex Mukembo
World Vision International, Kampala, Uganda

Global Health - Information/ Communication/Technologies Solutions in Global Health including Modeling

6884

LESSONS LEARNED FROM GEOGRAPHIC INFORMATION SYSTEMS FOR INFECTIOUS DISEASES RESEARCH AND SURVEILLANCE

Tippa Wongstitwilairoong[1], Darunee Buddhari[2], John Mark Velasco[3], Diones Paula Corazon[3], Alera Maria Theresa[4], Sanjaya Kumar Shrestha[5], Tipawan Kangvanrattana[1], Kathryn McGuckin Wuertz[1], Aaron Farmer[1]
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SYNDEMIC MODELLING: A NOVEL MATHEMATICAL MODELLING FRAMEWORK FOR SIMULATING MULTIPLE PATHOGENS DYNAMICS IN CONTEXT

Caroline Franco[1], Lisa J. White[2], Sheetal Silal[3]
[1]University of Aberdeen, Aberdeen, United Kingdom, [2]University of Oxford, Oxford, United Kingdom, [3]University of Cape Town, Cape Town, South Africa

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MALARIA IN THE REPUBLIC OF GUINEA: COSTS ASSOCIATED WITH THE CARE PATHWAY FROM THE PATIENT'S PERSPECTIVE, 2022 - 2023

Elhadj Marouf DIALLO[1], Fatoumata Bintou TRAORE[1], Alice LANGLET[2], Marie BLANQUET[2], Bienvenu Salim CAMARA[3], Alioune CAMARA[4], Laurent GERBAUD[2]
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EXPLORING THE MIGRATION PATTERNS AND POPULATION HEALTH OUTCOMES IN URBAN AFRICA: A CASE OF NAIROBI CITY

Evans Omondi, Samuel Iddi, Steve Cygu, Abdhalah Ziraba, Damazo Kadengye, Agnes Kiragga
African Population and Health Research Center, Nairobi, Kenya

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WHATSAPP MESSAGING AND USE OF MALARIA SERVICE GUIDES AND FEVER MANAGEMENT TOOLS IN CROSS RIVER STATE, NIGERIA

Oluwatobiloba Akerele[1], Uchenna Nwokenna[2], IniAbasi Nglass[2], Aniefiok Akpasa[3], Etieno Etuk[1], Victor Bassey[1], Udeh Phillip[1], Damola Abikoye[1], Olayemi Abimbola[2], Rudi Thetard[4], Arja Huestis[4], Thomas Hall[4], Dorathy Iwasam[3], Grace Nwankwo[5], Erkwagh Dagba[6], Veronica Momoh[6], Jules Mihigo[6], Chukwu Okoronkwo[7], Nnenna Ogbulafor[7], Godwin Ntadom[7]
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COMPARATIVE ANALYSIS: USING A HYBRID ICF VERIFICATION TOOL IN A 28,000-PARTICIPANT CLINICAL TRIAL AT COMMUNITY LEVEL IN MOZAMBIQUE AND KENYA

Eldo Aly Elobolobo[1], Lisa Collins[2], Leslie Sam[2], Jamal Salim[3], Paula Ruiz-Castillo[2], Mary Mael[2], Isaac Ringera[3], Mercie Kariuki[3], Shadrack Karisa[3], Vegovito Vegove[4], Patricia Bellot[2], Isaiah Omondi[3], Carlos Chaccour[2], Regina Rabinovich[2], Marta Maia[3]
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NETWORKING OF MEDICAL LABORATORY DATA IN MADAGASCAR

Omega Raobela[1], Tovonahary Rakotomanga[1], Freddy Lokossa[2], Sandy M. Ralisata[2], Andry Patrick Raoiliarison[2], Daniella Randriamanana[2], Sandratra Harizaka Rakotoarisoa[2], Davida Natolotra Razafindratsaravahy[2], Tolotriniaina Eric Rafanomezantsoa[2]
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PHYSICIANS' PERSPECTIVES OF INFORMAL HEALTH PRACTITIONERS IN BANGLADESH AND POTENTIAL FOR ENGAGEMENT

Zahid Hasan Khan[1], Olivia R. Hanson[2], **Sarah A. Dallas**[2], Mohammad Ashraful Amin[1], Ishtiakul Islam Khan[1], Debashish Biswas[1], Md. Taufiqul Islam[1], Eric J. Nelson[3], Firdausi Qadri[1], Melissa H. Watt[2], Daniel Leung[2], Ashraful Islam Khan[1]
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MODELING THE IMPACT OF CORE AND SUPPLEMENTARY TOOLS ON PYRETHROID RESISTANCE AND MALARIA TRANSMISSION DYNAMICS

Hamenyimana Emanuel Gervas
Ifakara Health Institute, Morogoro, United Republic of Tanzania

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THE EFFICACY OF MOBILE SERIOUS GAMES (SWAZIYOLO) IN INCREASING HIV RISK PERCEPTION IN ESWATINI: A RANDOMIZED CONTROL TRIAL

Bhekumusa Lukhele[1], Mac Delay[1], Fortunate Shabalala[2], Mfundi Motsa[3], Alexander Kay[4], Christina El-saedi[5], Bongani Masango[3], Gregory Pavela[1], Katia Bruxvoort[1]
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DIGITIZATION OF COMMUNITY HEALTH IN BURKINA FASO: CONSIDERING THE PERSPECTIVES OF COMMUNITY WORKERS THROUGH USER ACCEPTABILITY TESTING (UATS)

Alain Kabore[1], Assetta Bara /Compaore[1], Fatou Fall[2], Bry Sylla[3], Adama Yameogo[1], William Ouango[3], Jean Serge Dimitri Ouattara[3]
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EXPLORING PERSPECTIVES ON THE SCANNABLE MATERNAL & CHILD HEALTH HANDBOOK IN SIAYA, KENYA: A QUALITATIVE ASSESSMENT OF HEALTHCARE PROVIDERS & ANC CLIENTS

Fredrick omiti[1], Wycliffe Odongo[2], Mevis Omollo[1], Kizito Obiet[1], Brian Seda[1], , Victoria , Seffren[2], Jonathan Schultz[3], Simon Kariuki[1], Feiko terKuile[4], Gutman Julie R[2]
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EXPLORING EXPERTS' PERSPECTIVES ON THE ADOPTION AND USE OF MULTIPLEX BEAD ASSAYS FOR INTEGRATED SEROSURVEILLANCE IN LOW- AND MIDDLE-INCOME COUNTRIES

Alex C. Kong, Andrea C. Carcelen, William J. Moss
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DETECTION OF RECURRENT MALARIA BY IMPROVING THE ACCURACY OF UNIQUE PATIENT IDENTIFICATION WITH BIOMETRICS IN PAPUA, INDONESIA

Liony Fransisca[1], Reynold Rizal Ubra[2], Enny Kenangalem[1], Benedikt Ley[3], Ric N. Price[3], Nicholas M. Douglas[3], Jeanne Rini Poespoprodjo[1]
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THE ROLE OF DIGITIZATION IN IMPROVING DATA QUALITY FOR ITN DISTRIBUTION CAMPAIGNS IN MALI

Boubacar Sidiki Maiga[1], Alassane Bangoura[1], Jean Yves Mukamba[2], Chrestien Yameni[3], Fatoumata Keita[1]
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Global Health - Other

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SUCCESSFUL TASK SHIFTING: CROSS-SECTIONAL STUDY OF AN EMERGENCY OBSTETRIC CARE PROGRAM IN AN LMIC SETTING

Rita Thapa[1], **Abigail Knoble**[2], Suresh Tamang[1], Bal Sundar Chansi Shrestha[1], Arpana Kalaunee[1], Indra Rai[1], Bikash Shrestha[1], Pravin Paudel[1], Archana Amatya[1], Ruma Rajbhandari[2]
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COMMUNITY-BASED PARTICIPATORY INTERVENTION TO FIGHT DENGUE FEVER IN CÔTE D'IVOIRE

Véronique Koffi[1], Julien Zahouli[2], Carelle Brika[1], Larissa Angoua[3], Claver Adjobi[4], Pélagie Aboa[2], Sarah Ruel-Bergeron[5], Laura Vavassory[6], Giovanfrancesco Ferrari[7], Pie Müller[7]
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METHODOLOGICAL INSIGHTS FROM REFLEXIVE VIDEO ETHNOGRAPHY: A CASE STUDY OF LEPROSY PATIENTS IN MALAYSIA

Norana Abdul Rahman[1], Vaikunthan Rajaratnam[2]
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REASONS FOR NON-PARTICIPATION IN AZITHROMYCIN MASS DRUG ADMINISTRATION TO REDUCE MORTALITY AMONG CHILDREN 1-11 MONTHS OLD IN NIGER: A CROSS-SECTIONAL COVERAGE EVALUATION SURVEY

Carolyn Brandt[1], Ahmed M. Arzika[2], Ramatou Maliki[2], Alio Karamba[2], Nasser Galo[2], Naser Harouna[2], Diallo Beidi[2], Elodie Lebas[1], Brittany Peterson[1], Benjamin F. Arnold[1], Thomas M. Lietman[1], Kieran S. O'Brien[1]
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TRENDS IN ANC CONTACTS AND EXCLUSIVE BREASTFEEDING IN SUB-SAHARAN AFRICA

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ASSOCIATIONS BETWEEN IMMUNE STATUS AND CHILD DEVELOPMENT IN RURAL BANGLADESH

Sophia T. Tan[1], Andrew N. Mertens[2], Md. Ziaur Rahman[3], Fahmida Tofail Tofail[4], Helen O. Pitchik[2], Da Kyung Jung[2], Caitlin Hemlock[5], Benjamin F. Arnold[6], Lisa Hester[7], Mohammed Rabiul Karim[4], Sunny Shahriar[4], Shahjahan Ali[8], Abul K. Shoab[4], Md. Saheen Hossen[4], Palash Mutsuddi[4], Syeda L. Famida[4], Salma Akther[4], Mahbubur Rahman[4], Leanne Unicomb[4], Patricia Kariger[2], Alan E. Hubbard[2], Christine P. Stewart[9], John M. Colford Jr.[2], Stephen P. Luby[1], Firdaus S. Dhabhar[10], Lia C. H. Fernald[2], Audrie Lin[3]
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CONTRIBUTION OF VACCINE PREVENTABLE DISEASES TO CHILD MORTALITY IN AFRICA AND ASIA - CHILD HEALTH AND MORTALITY PREVENTIONS SURVEILLANCE (CHAMPS)

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ENHANCING DATA AVAILABILITY AND QUALITY WITH AN EASY-TO-USE TOOL DURING THE LOGISTICS MANAGEMENT INFORMATION SYSTEM REFORM IN MADAGASCAR,2022-2023

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PERFORMANCE OF MALARIA ELIMINATION ACTIVITIES IN SEKE DISTRICT, MASHONALAND EAST PROVINCE, ZIMBABWE, 2023

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A SURVIVOR CASE OF NEONATAL TETANUS: CASE DESCRIPTION AND SURVEILLANCE SYSTEM EVALUATION IN THE URBAN HEALTH DISTRICT OF EBOLOWA, CAMEROON, MARCH 2023

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ASSESSING IMMUNIZATION COVERAGE AND POLIO VACCINATION STATUS AMONG CHILDREN AGED 12-23 MONTHS. FINDINGS FROM A CROSS-SECTIONAL SURVEY IN HIGH-RISK UNION COUNCILS OF PAKISTAN

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THE ACCEPTABILITY OF MINIMALLY INVASIVE TISSUE SAMPLING FOR CAUSE OF DEATH DETERMINATION IN RURAL SOUTH AFRICA: A QUALITATIVE ANALYSIS

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HEALTH SYSTEM STRENGTHENING THROUGH DATA QUALITY IMPROVEMENTS: A COMPARATIVE ANALYSIS OF HEALTH FACILITY DATA QUALITY PERFORMANCE FROM INITIAL ASSESSMENTS TO SUBSEQUENT VISITS

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ETIOLOGY OF INFECTIOUS DIARRHEA IN MADAGASCAR: FINDINGS FROM THE COMMUNITY-BASED SURVEILLANCE SYSTEM FROM 2019 TO 2023

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IMPACTS OF BAD OBSTETRIC HISTORY ON ANTENATAL CARE UPTAKE IN SUBSEQUENT PREGNANCIES: INSIGHTS FROM CHAMPS BANGLADESH

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DENGUE PREPAREDNESS. FRAMEWORK FOR INNOVATIVE TOOLS AND STRATEGIES FOR SURVEILLANCE AND RESPONSE IN OIL AND GAS COMPANY

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ADVANCING MALARIA CARE THROUGH VARIED INTERVENTIONS: IMPROVING MALARIA RAPID DIAGNOSTIC TEST (RDT) USE IN FOUR NIGERIAN STATES - BENUE, NASARAWA, PLATEAU, AND ZAMFARA

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IMPLEMENTATION OF AN APPROACH TO INTEGRATE COMMUNITY HEALTH INTERVENTIONS INTO COORDINATION, MONITORING AND EVALUATION AT THE HEALTH DISTRICT LEVEL IN CÔTE D'IVOIRE

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PROJECTING *IXODES SCAPULARIS* DIN IN EASTERN UNITED STATES, 1997-2022

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A SIMPLE AND SENSITIVE COLORIMETRIC NUCLEIC ACID TEST FOR *BABESIA MICROTI* SURVEILLANCE IN WHOLE BLOOD AND TICK VECTORS

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DISENTANGLING THE RELATIONSHIP BETWEEN THE DEER TICK MICROBIOME AND TICK-BORNE PATHOGENS

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COINFECTION OF *ANAPLASMA PHAGOCYTOPHILUM* AND *BORRELIA BURGDORFERI* IN NON-HUMAN PRIMATES. IMPACT ON IMMUNE RESPONSE AND DISEASE SEVERITY

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HEMOPLASMA AND PIROPLASM SPECIES IN WHITE-EARED OPOSSUMS (*DIDELPHIS ALBIVENTRIS*) FROM ALAGOAS, NORTHEASTERN BRAZIL - PRELIMINARY DATA

Ana CS Silva[1], **Jessica Miller**[2], Epitácio C. Farias Junior[3], Ana CP Azevedo[4], Jonatas C. Almeida[5], Joao L. Garcia[1], Thiago F. Martins[6], Marcelo B. Labruna[6], Thallitha SWJ Vieira[2], Rafael Vieira[2]

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Ectoparasite-Borne Disease - Other

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HUMAN HEALTH DISPARITIES IN MITE-BORNE ILLNESSES

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A NEW MULTIPLEX SEROLOGIC ASSAY FOR DETECTION OF *BARTONELLA* SPECIES IN IRAQ DEPLOYED MILITARY WORKING DOGS

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SEVERE TICK-BORNE DISEASE IN NORTH CAROLINA, A TEN-YEAR REVIEW OF HOSPITALIZED CASES

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MINIMUM FEEDING TIME REQUIRED FOR *HAEMAPHYSALIS LONGICORNIS* TO TRANSMIT SEVERE FEVER WITH THROMBOCYTOPENIA SYNDROME VIRUS

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HOUSEHOLD INSECTICIDE USE AND REAT FLEA RESISTANCE IN MADAGASCAR: IMPLICATIONS FOR PUBLIC HEALTH

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COXIELLA BURNETII N RUMINANTS AND DONKEYS *(EQUUS ASINUS)* FROM SOMALIA

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SEROPREVALENCE OF *RICKETTSIA* SPP. IN CATTLE, SHEEP, GOATS AND DONKEYS (*EQUUS ASINUS*) FROM SOMALIA

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ELUCIDATING THE TICK MICROBIAL PROFILE IN DISTINCT ECOLOGICAL REGIONS OF EAST AFRICA

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EFFICACY OF TWO DOSES OF IVERMECTIN TABLET IN TREATMENT OF SCABIES IN COMPARISON TO ONCE APPLICATION OF 5% PERMETHRIN LOTION- A RANDOMIZED CONTROLLED TRIAL

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CORRECT KNOWLEDGE, ATTITUDES, AND CONFIDENCE FOR APPROACHING RICKETTSIOSIS IN A SAMPLE OF MEDICAL STUDENTS IN CLINICAL SCIENCES FROM ENDEMIC AND NON-ENDEMIC REGIONS OF MEXICO

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EXPLORING TICK VECTOR DYNAMICS IN CRIMEAN-CONGO HEMORRHAGIC FEVER OUTBREAK ZONES OF EAST AFRICA

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A DETAILED CHARACTERIZATION OF *RICKETTSIA BELLII* ECOLOGY AND HOST INTERACTIONS

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Mosquitoes - Biology and Genetics of Insecticide Resistance

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TWO HIGHLY SELECTED MUTATIONS IN THE TANDEMLY DUPLICATED CYP6P4A AND CYP6P4B GENES DRIVE PYRETHROID INSECTICIDE RESISTANCE AND CAUSE LOSS OF INSECTICIDE-TREATED BED NET EFFICACY AGAINST THE MAJOR MALARIA VECTOR *ANOPHELES FUNESTUS* IN WEST AFRICA

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INSECTICIDE RESISTANCE STATUS AND HIGH *KDR* FREQUENCY IN *AEDES AEGYPTI* IN A DENGUE ENDEMIC CITY OF HONDURAS

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RELATIONSHIPS BETWEEN BIOLOGICAL AGE, DISTANCE FROM AQUATIC HABITATS, AND PYRETHROID RESISTANCE STATUS OF *ANOPHELES FUNESTUS* MOSQUITOES IN SOUTH-EASTERN TANZANIA

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HOUSEHOLD RISK FACTORS ASSOCIATED WITH INCREASED MOSQUITO DENSITIES AND INSECTICIDE RESISTANCE PROFILES OF MAIN MALARIA VECTORS IN KWALE COUNTY, COASTAL KENYA

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THE IMPACT OF NEXT-GENERATION DUAL-ACTIVE INGREDIENT LONG-LASTING INSECTICIDAL NET DEPLOYMENT ON INSECTICIDE RESISTANCE IN MALARIA VECTORS: RESULTS OF A THREE-YEAR CLUSTER-RANDOMIZED CONTROLLED TRIAL IN BENIN

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THE E205D MUTATION IN THE P450 GENE CYP6P3 DRIVES PYRETHROID RESISTANCE IN THE MAJOR AFRICAN MALARIA VECTOR *ANOPHELES GAMBIAE*

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ACE-1 DUPLICATION AND COPY NUMBER VARIATION ARE CORRELATED TO RESISTANCE TO ORGANOPHOSPHATES IN *ANOPHELES GAMBIAE* FROM CENTRAL AFRICA

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MALARIA VECTOR ECOLOGICAL DIVERSITY INFLUENCING TRANSMISSION AND RESISTANCE TO INSECTICIDES

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DYNAMICS OF RESISTANCE INTENSITY AND MECHANISMS OF *ANOPHELES GAMBIAE* TO PYRETHROID INSECTICIDES BETWEEN 2021 TO 2023 IN RWANDA

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INSECTICIDE RESISTANCE PROFILE OF *AEDES* MOSQUITOES IN OGUN STATE, NIGERIA

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HIGH SURVIVORSHIP OF *ANOPHELES GAMBIAE* LARVAE TO LETHAL CONCENTRATIONS OF CLOTHIANIDIN, ACETAMIPRID OR IMIDACLOPRID IS CONSISTENT WITH CROSS-RESISTANCE TO NEONICOTINOIDS

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DIVERGENCES AND SIMILARITIES ON INSECTICIDE RESISTANCE PROFILES IN WILD POPULATIONS OF *ANOPHELES GAMBIAE SL* BREEDING IN VEGETABLE FARMS IN COTONOU, BENIN

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KEY RESISTANCE P450S PROFICIENT PYRETHROID METABOLIZERS, ARE REDUCING NEONICOTINOID EFFICACY IN *ANOPHELES FUNESTUS* WHILE EXACERBATING THE POTENCY OF CHLORFENAPYR

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BACTERIA COMMUNITY EXACERBATE PYRETHROID RESISTANCE IN *ANOPHELES FUNESTUS*, MAJOR MALARIA VECTOR IN AFRICA

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Mosquitoes - Biology, Physiology and Immunity

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SEX PEPTIDE RECEPTOR IS NOT REQUIRED FOR REFRACTORINESS TO REMATING OR INDUCTION OF EGG LAYING IN *AEDES AEGYPTI*

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6985

MICRO-SPATIAL PARTITIONING INFLUENCES THE DIVERSIFICATION OF MOSQUITO-ASSOCIATED VIRUS PROFILES AMONG *AEDES AEGYPTI* MOSQUITOES IN PUERTO RICO

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6986

HOST-SPECIFIC DYNAMICS OF MICROBIOTA ASSEMBLY IN *AEDES AEGYPTI* MOSQUITOES AFTER RECIPROCAL TRANSPLANTATION OF CRYOPRESERVED WHOLE GUT-DERIVED MICROBIAL COMMUNITIES

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INVESTIGATING THE EFFECTS OF TEMPERATURE CHANGE ON OVIPOSITION AND PROGENY VIABILITY OF *AEDES AEGYPTI* AND CULEX TARSALIS MOSQUITOES

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A SINGLE-CELL ATLAS OF THE *CULEX TARSALIS* MIDGUT DURING WEST NILE VIRUS INFECTION

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THE CONTRIBUTION OF SPECIFIC PROPHENOLOXIDASES TO PLASMODIUM MELANIZATION IN ANOPHELES GAMBIAE MOSQUITOES

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KINETICS OF MAYARO VIRUS INFECTIONS OF NEW WORLD AND OLD WORD *ANOPHELES* VECTORS

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OPTIMIZATION OF ANTIMALARIAL DRUGS DELIVERY AND EVALUATING THEIR EFFECTS ON THE SURVIVAL AND FECUNDITY OF LABORATORY REARED *ANOPHELES GAMBIAE* MOSQUITOES

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ENTEROBACTER CLOACAE AND *SERRATIA MARCESCENS* METABOLITES MINIMIZE *PLASMODIUM* GAMETOCYTE DEVELOPMENT *IN VITRO.*

Esinam Abla Akorli, Grace Odoom, Emmanuel Osei-Frempong, Jeffrey Kankam Boateng, Stephanie N.A Addo, Jewelna Akorli
Noguchi Memorial Institute for Medical Research, Legon, Ghana

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ELIZABETHKINGIA ANOPHELIS MSU001 ISOLATED FROM *ANOPHELES* STEPHENSI: MOLECULAR CHARACTERIZATION AND COMPARATIVE GENOME ANALYSIS

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Mosquitoes - Bionomics, Behavior and Surveillance

6994

REPRODUCTIVE STRATEGIES ASSIST THE BIOLOGICAL INVASION PROCESS OF *AEDES ALBOPICTUS*

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CHARACTERIZING RESIDUAL MALARIA TRANSMISSION IN THREE SELECTED HIGH BURDEN DISTRICTS OF WESTERN PROVINCE, ZAMBIA

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6996

FOREST EDGE LANDSCAPE CONTEXT AFFECTS MOSQUITO COMMUNITY COMPOSITION AND RISK OF PATHOGEN EMERGENCE

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MOLECULAR XENOMONITORING FOR POST-VALIDATION SURVEILLANCE OF LYMPHATIC FILARIASIS IN BANGLADESH: EVIDENCE TO SUPPORT LF ELIMINATION AS A PUBLIC HEALTH PROBLEM

Prakash Ghosh[1], Nishad Tasnim Mithila[1], Debashis Ghosh[1], Md. Arko Ayon Chowdhury[1], Shomik Maruf[1], Md Rasel Uddin[1], Soumik Kha Sagar[1], Md Utba Rashid[1], Mohammad Sohel Shomik[1], M.M. Aktaruzzaman[2], A. S. M. Sultan Mahmood[2], Ahmed Abd El Wahed[3], Mohammad Shafiul Alam[1], Mary Cameron[4], Nils Pilotte[5], Emily A. Dodd[6], Tara A. Brant[6], Kimberly Y. Won[6], Dinesh Mondal[1]
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DETECTION OF *AEDES ALBOPICTUS* IN DISTRICT 3 OF MANAGUA, NICARAGUA

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GLOBAL ANALYSIS OF *ANOPHELES STEPHENSI* BIONOMICS AND CONTROL APPROACHES THROUGH A SYSTEMATIC LITERATURE REVIEW

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ASSESSMENT OF TWENTY-FOUR HOURS BITING PATTERNS AND HUMAN EXPOSURE RISK TO BITES OF *ANOPHELES* MOSQUITOES IN SOUTH-EASTERN TANZANIA

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CHARACTERIZATION OF THE SPECIFIC COMPOSITION, TROPHIC AND RESTING PREFERENCES AS WELL AS THE LEVEL OF INFECTION OF MALARIA VECTORS IN THE CITY OF OUAGADOUGO, BURKINO FASO

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DEVELOPMENT OF ENVIRONMENTAL DNA (EDNA) SAMPLING FOR ARBOVIRUS VECTOR SURVEILLANCE IN SOUTHERN NEVADA

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UNDERSTUDIED MALARIA VECTORS MAY DRIVE RESIDUAL MALARIA TRANSMISSION IN CHOMA DISTRICT, AN AREA OF LOW MALARIA TRANSMISSION

Kochelani Saili[1], Limonty Simubali[1], Mary E. Gebhardt[2], Twig Mudenda[1], Japhet Matoba[1], Gift Mwaanga[1], Mukuma Lubinda[1], Lewis Chuula[1], Reginald Nawa[1], Ben Katowa[1], Edgar Simulundu[1], William J. Moss[2], Douglas E. Norris[2], Int'l Centres for Excellence in Malaria Research[3]
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THE ESCALATING BIOLOGICAL THREAT: OBSERVATIONS FROM TEN YEARS OF MAPPING INSECTICIDE RESISTANCE IN MALARIA VECTORS

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QUANTIFYING FEW, FIXED, AND FINDABLE: A DIGITAL, STRATIFIED SURVEILLANCE APPROACH TO ASSESS LARVAL SOURCE MANAGEMENT FEASIBILITY IN MOZAMBIQUE'S CAPITAL CITIES

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HOW DOES BEDNET USE AFFECT FEMALE ANOPHELES EXPOSURE IN COTE D'IVOIRE: ASSESSING VECTOR-HUMAN INTERACTION USING ENTOMOLOGICAL SURVEILLANCE AND ACCELEROMETER-BASED BEDNET MONITORING

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ADVANCES IN ARTIFICIAL INTELLIGENCE FOR VECTOR IDENTIFICATION AND MONITORING

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Mosquitoes - Epidemiology and Vector Control

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DOES DOMESTIC USE OF INSECTICIDAL SPRAYS UNDERMINE PUBLIC HEALTH CONTROL STRATEGIES?

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APPLICATION OF PREDICTIVE MODELLING OF DENGUE CASE NUMBERS USING METEOROLOGICAL DATA IN PERU

Samuel Cutler, Allegra Wilson, Najeevan Soor, Jacqueline Buchanan
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SEMI-FIELD EVALUATION OF AQUATIC PREDATORS FOR THE CONTROL OF *ANOPHELES FUNESTUS* IN RURAL SOUTHEASTERN TANZANIA

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NAVIGATING THE EVALUATION OF NOVEL IRS PRODUCTS: LESSONS LEARNED FROM ASSESSING RESIDUAL EFFICACY WITHOUT SUSCEPTIBLE MOSQUITO COLONIES

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DEVELOPMENT AND EVALUATION OF A NOVEL, MULTI-ACTIVE INGREDIENT ATTRACTIVE TOXIC SUGAR BAIT FOR MOSQUITO CONTROL

Alexandra Bauer, Daniel W. Pérez-Ramos, Abdullah A. Alomar, Raquel Lima de Souza, Maria EB Resck, Yesenia L. Sanchez, Ana Romero-Weaver, Eva A. Buckner, **Eric P. Caragata**, Barry W. Alto
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HOW FREQUENTLY DO WE NEED TO TREAT BREEDING SITES WITH *BTI*? EVIDENCE FROM LARGE-SCALE LARVAL SOURCE MANAGEMENT ON BIOKO ISLAND

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ASSESSING THE SUSCEPTIBILITY AND EFFICACY OF TRADITIONAL NEUROTOXIC (PYRETHROID) AND NEW GENERATION INSECTICIDES (CHLORFENAPYR, CLOTHIANIDIN, AND PYRIPROXYFEN), ON WILD PYRETHROID RESISTANT POPULATIONS OF *ANOPHELES GAMBIAE* FROM SOUTHERN BENIN

Germain Gil Padonou[1], David Mahouton Zoungbédji[1], Alphonse Keller Konkon[1], Albert Sourou Salako[1], Virgile Gnanguènon[2], Raoul Oloukoi[2], Daniel Impoinvil[3], Lamine Baba-Moussa[4], Martin C. Akogbéto[1]
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SPECIES-SPECIFIC SALIVARY ANTIGEN ELISAS AS BIOMARKERS OF EXPOSURE TO LA CROSSE VIRUS VECTORS IN NORTH CAROLINA

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IMPACT OF INDOOR RESIDUAL SPRAYING WITH SUMISHIELD® 50WG ON ENTOMOLOGICAL DRIVERS OF TRANSMISSION IN KIGOMA REGION NORTHWEST TANZANIA

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COMPARISON OF UNTREATED AND TREATED INSECTICIDE-TREATED NETS TO DETERMINE THE VALIDITY OF WHO TUNNEL ASSAYS

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LATE MORNING BITING BEHAVIOUR OF *ANOPHELES FUNESTUS* IS A RISK FACTOR FOR MALARIA TRANSMISSION IN SCHOOLS IN SIAYA, WESTERN KENYA

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KNOCKING OUT TO KNOCK IN: IMPACT OF LOSS OF END JOINING FACTORS ON HOMOLOGY DIRECTED REPAIR INCIDENCE IN THE DISEASE VECTOR MOSQUITO, *AEDES AEGYPTI*

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ANTIBODIES TO *AEDES AEGYPTI* D7L SALIVARY PROTEINS AS A NEW SEROLOGICAL TOOL TO ESTIMATE HUMAN EXPOSURE TO *AEDES* MOSQUITOES

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THREE YEARS OF ENTOMOLOGICAL SURVEILLANCE IN HOUSES RECEIVING TARGETED INDOOR RESIDUAL SPRAYING (TIRS) AGAINST *AEDES AEGYPTI* IN MEXICO

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TESTING A COMBINED IIT-SIT APPROACH TO CONTROL *AEDES AEGYPTI* AND URBAN ARBOVIRUS TRANSMISSION IN YUCATAN, MEXICO

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NON-HOUSEHOLD ENVIRONMENTS PROMOTE DENGUE TRANSMISSION: IMPLICATIONS FOR VECTOR CONTROL

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VERTICAL AND HORIZONTAL TRANSMISSION OF *MICROSPORIDIA MB*: A *PLASMODIUM* INHIBITING NATURAL SYMBIONT OF *ANOPHELES*

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DATA-DRIVEN TARGETING OF MALARIA AT-RISK POPULATIONS FOR DISTRIBUTION OF TOPICAL REPELLENTS IN ZIMBABWE

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TWO MOSQUITO SALIVARY ANTIGENS DEMONSTRATE PROMISE AS BIOMARKERS OF RECENT EXPOSURE TO *P. FALCIPARUM* INFECTED MOSQUITO BITES

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DEPLOYMENT OF ATTRACTIVE TARGETED SUGAR BAITS IN WESTERN ZAMBIA: INSTALLATION, MONITORING, REMOVAL, AND DISPOSAL PROCEDURES DURING A PHASE III CLUSTER RANDOMIZED CONTROL TRIAL

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MALDI-TOF MASS SPECTROMETRY AS A RELIABLE APPROACH FOR THE SURVEILLANCE OF CHIKUNGUNYA VIRUS IN MOSQUITO VECTORS

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LANDSCAPE PREDICTORS OF *AEDES AEGYPTI* ABUNDANCE IN A DENGUE-ENDEMIC LOCALITY IN MANAGUA, NICARAGUA

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THE POTENTIAL USE OF DIGITAL TOOLS FOR LARVAL SURVEYS IN VECTOR CONTROL: EXPERIENCE FROM ANAMBRA AND ONDO STATES OF NIGERIA

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STRATEGIES FOR ALTERING THE FREQUENCY AND COVERAGE OF INSECTICIDE-TREATED NET MASS CAMPAIGNS WITH DIFFERENT NET TYPES TO MAXIMIZE CASES AVERTED UNDER FIXED BUDGETS

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MODELLING THE POTENTIAL OF GENE DRIVE MOSQUITOES FOR MALARIA CONTROL IN SETTINGS WITH MULTIPLE VECTOR SPECIES IN MAINLAND TANZANIA

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VALIDATION USING ATTRACTIVE SUGAR BAITS (ASBS) CONTAINING A FLUORESCENT DYE IN SIAYA, WESTERN KENYA: AN EVALUATION OF *ANOPHELES* FEEDING RATES

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COMPARISON OF SEASONAL MOSQUITO POPULATIONS ACROSS A DIVERSIFYING SEMI-PASTORAL LANDSCAPE IN LOITOKITOK SUB-COUNTY, KENYA

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THE USE OF INSECTICIDE TREATED EAVE RIBBONS AS A PROTECTION TOOL AGAINST POPULATIONS OF MOSQUITOES THAT TRANSMIT MALARIA AND DENGUE

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MALARIA TRANSMISSION RISK IN THE CITY OF ACCRA, GHANA

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UNDERSTANDING THE ECO-EPIDEMIOLOGY OF MOSQUITOES IN HOUSTON, TEXAS: INFORMING PUBLIC HEALTH STRATEGIES

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URBAN VECTORIAL TRANSMISSION OF MALARIA IN KOULIKORO DISTRICT, MALI

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THE IMPACT OF CLIMATE CHANGE ON MOSQUITO ENTOMOLOGY AND SPATIOTEMPORAL DENGUE TRANSMISSION

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TRENDS IN ORGANOPHOSPHATE RESISTANCE AMONG *AEDES AEGYPTI* IN TAPACHULA: IMPLICATIONS FOR VECTOR CONTROL FROM 2018 TO 2021

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Mosquitoes - Molecular Biology, Population Genetics and Genomics

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INNOVATIONS RESULTING FROM THE USE OF CULTURED *ANOPHELES* CELL LINES

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HYBRIDIZATION BETWEEN *AEDES AEGYPTI* AND *AEDES MASCARENSIS* MOSQUITOES LEADS TO DISRUPTION OF MALE SEX DETERMINATION

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CHROMATIN ARCHITECTURE OF THE MALARIA VECTOR, *ANOPHELES COLUZZII*

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HEAD-SPECIFIC TRANSCRIPTOMIC STUDY REVEALS KEY REGULATORY PATHWAYS FOR WINTER DIAPAUSE IN MOSQUITO *CULEX PIPIENS*

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SUPPRESSION OF H3K27ME2 DEMETHYLASE DISRUPTED DIAPAUSE FORMATION IN MOSQUITO *CULEX PIPIENS*

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MOLECULAR DIVERSITY OF *ANOPHELES* SPECIES OVER THREE YEARS OF INSECTICIDE-TREATED DURABILITY MONITORING IN KAYES, WESTERN MALI

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MOLECULAR SURVEILLANCE OF ANOPHELINE VECTORS TO SUPPORT MALARIA ELIMINATION IN BRAZIL

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POPULATION STRUCTURE OF THE *AEDES ALBOPICTUS* VIROME IN SUFFOLK COUNTY, LONG ISLAND, NY

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RADIATION EXPOSURE INDUCES GENOME-WIDE ALTERNATIVE SPLICING EVENTS IN *AEDES AEGYPTI* MOSQUITOES

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HYBRID ASSEMBLY AND ANNOTATION OF TWO GEOGRAPHICALLY DISTINCT STRAINS OF THE MALARIA VECTOR *ANOPHELES ALBIMANUS* REVEALS LOW INTRA-SPECIFIC DIVERGENCE

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PHOSPHOPROTEOMICS ANALYSES OF *AEDES AEGYPTI* FAT BODY REVEAL BLOOD MEAL-INDUCED SIGNALING AND METABOLIC PATHWAYS

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Viruses - Emerging Viral Diseases

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PREVALENCE OF MALARIA AND LONG-COVID AMONG INDIVIDUALS PREVIOUSLY INFECTED WITH THE SARS-COV-2 VIRUS IN ETHIOPIA AND UGANDA: A CASE CONTROL STUDY

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EMERGENCE OF CRIMEAN CONGO HEMORRHAGIC FEVER VIRUS IN EASTERN SENEGAL IN 2022

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INVESTIGATING THE EMERGING BURDEN OF DENGUE IN THE KATHMANDU VALLEY, NEPAL THROUGH A LONGITUDINAL POPULATION-BASED SEROSURVEY

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DETECTION OF ANTIBODIES TO POSSIBLE FILOVIRUS-LIKE PATHOGENS IN RURAL COMMUNITIES IN SARAWAK, MALAYSIA

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RE-EMERGENCE OF RIFT VALLEY FEVER VIRUS LINEAGE H IN SENEGAL IN 2022: *IN VITRO* CHARACTERIZATION AND IMPACT ON ITS GLOBAL EMERGENCE IN WEST AFRICA

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MPOX VIRUS SEROPREVALENCE AMONG INDIVIDUALS VULNERABLE TO INFECTION IN EAST AFRICA

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FOLLOWING A 50-YEAR HIATUS TAMANA BAT VIRUS (TABV) IS DETECTED AGAIN IN IQUITOS, PERU

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METABOLOMIC BIOMARKERS IN DENGUE VIRUS INFECTION FOR PREDICTING SEVERE DISEASE

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PREVALENCE AND PREDICTORS OF PERSISTENT SYMPTOMS POST-ACUTE COVID-19 INFECTION AMONG A COHORT OF FRONTLINE HEALTHCARE WORKERS IN BANGLADESH

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VIRAL CLEARANCE IN COVID-19 PATIENTS WITH AND WITHOUT COMORBIDITIES IN BAMAKO, MALI

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CLINICAL AND RISK FACTOR PROFILE OF OROPOUCHE VIRUS DISEASE DURING AN ONGOING OUTBREAK IN THE PERUVIAN AMAZON: FINDINGS FROM THE RIVERA ACUTE FEBRILE ILLNESS SURVEILLANCE STUDY

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THE GLOBAL HEALTH BURDEN OF CHIKUNGUNYA FROM 2011 TO 2020: A MODEL-DRIVEN ANALYSIS ON THE IMPACT OF AN EMERGING VECTOR-BORNE DISEASE

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RAPID ALTERNATIVE DETECTION ASSAY OF SARS-COV2 RNA USING A ONE-STEP RT-FAST-MULTIPLEX PCR AND LATERAL FLOW IMMUNOASSAY

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FIELD EVALUATION OF VALIDITY AND FEASIBILITY OF PAN LASSA RAPID DIAGNOSTIC TEST (RDT) FOR LASSA FEVER IN ABAKALIKI, NIGERIA: A PROSPECTIVE DIAGNOSTIC ACCURACY STUDY

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COMPARATIVE ANALYSIS OF NS1/IGM RAPID DIAGNOSTIC TESTS (RDT) WITH NS1 AND IGM ELISA FOR DENGUE CASES AND ITS POSSIBLE CORRELATION WITH UNDER-REPORTING OF DENGUE CASES IN INDIA

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DETECTION OF ANTI-MARBURG VIRUS IGG ANTIBODIES IN WATSA, DEMOCRATIC REPUBLIC OF THE CONGO: 25 YEARS AFTER OUTBREAK

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DETECTION AND PARTIAL GENOMIC CHARACTERIZATION OF ROTAVIRUS A STRAINS CIRCULATING IN DIARRHEAL OUTBREAKS IN LLAMA AND ALPACA FLOCKS FROM BOLIVIA

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Viruses - Epidemiology

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COMORBIDITIES AND HOSPITALIZATION RISK FROM DENGUE, CHIKUNGUNYA, AND ZIKA, PUERTO RICO, 2012-2023

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TRANSMISSION DYNAMICS OF RIFT VALLEY FEVER AND CRIMEAN-CONGO HEMORRHAGIC FEVER VIRUSES IN THREE DIFFERENT ECOLOGICAL REGIONS IN SENEGAL

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UNRAVELING THE TRANSMISSION DYNAMICS OF RIFT VALLEY FEVER : INSIGHTS FROM EAST AND CENTRAL AFRICA

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DENGUE VIREMIA AMONG FEBRILE PERSONS IN GRENADA, WEST INDIES

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SURVEILLANCE OF CORONAVIRUS IN WILD MAMMALS SEIZED AND RESCUED BY THE NATIONAL FOREST AND WILDLIFE SERVICE OF LIMA, PERU

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ASSESSING CORRELATIONS IN SEROLOGICAL STATUS TO MULTIPLE VACCINE-PREVENTABLE DISEASES: A CASE-CONTROL STUDY IN ZAMBIA, 2016

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A SYSTEMATIC LITERATURE REVIEW OF COMMUNITY ARI AND AGE INCIDENCE RATES

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MARBURG VIRUS DISEASE OUTBREAK PREPAREDNESS AND RESPONSE IN THE SOUTH REGION OF CAMEROON, FEBRUARY - APRIL 2023

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INVESTIGATING THE EPIDEMIOLOGY AND RISK FACTORS FOR DENGUE VIRUS AND CHIKUNGUNYA VIRUS INFECTIONS IN KARACHI, PAKISTAN

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CLINICAL CHARACTERISTICS ASSOCIATED WITH DENGUE SEROTYPES IN AMAZONAS, PERU

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SEROPREVALENCE OF CHIKUNGUNYA VIRUS INFECTION IN SURAT THANI PROVINCE, THAILAND

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FACTORS ASSOCIATED WITH DEATH IN PATIENTS ADMITTED WITH EBOLA VIRUS DISEASE TO EBOLA TREATMENT UNITS IN GUINEA, SIERRA LEONE, AND LIBERIA DECEMBER 2013 TO MARCH 2016

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MODELING DENGUE FORCE OF INFECTION AMONG EXPATRIATES LIVING IN THAILAND

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TRENDS IN MORTALITY CAUSED BY VIRAL HEPATITIS IN THE UNITED STATES POPULATION: A RETROSPECTIVE CROSS-SECTIONAL STUDY USING THE CDC WONDER DATABASE

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DENGUE SEROPREVALENCE AND FORCE OF INFECTION IN THE DEMOCRATIC REPUBLIC OF THE CONGO

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A MULTICENTER STUDY TO ASSESS THE EFFECTIVENESS OF AN INACTIVATED COVID-19 VACCINE AGAINST HOSPITALIZED COVID-19 IN THE PHILIPPINES

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MOLECULAR EPIDEMIOLOGY IMMUNOLOGICAL RESPONSES TO SARS-COV-2 OTHER RESPIRATORY VIRUSES IN SELECTED URBAN RURAL AREAS OF GHANA

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BEYOND RAINFALL: ENVIRONMENTAL DRIVERS OF HISTORIC RIFT VALLEY FEVER OUTBREAKS IN KENYA

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CAN'T START A FIRE WITHOUT A SPARK: HIGHLY VARIABLE VIRUS IMPORTATION RATES UNDERLIE THE UNPREDICTABLE TIMING OF CHIKUNGUNYA OUTBREAKS

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RISK FACTORS FOR LASSA FEVER VIRUS INFECTION IN A POPULATION-BASED COHORT STUDY IN SIERRA LEONE (IAVI X100)

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MOLECULAR DIAGNOSIS AND CLINICAL CHARACTERISTICS OF CHIKUNGUNYA VIRUS INFECTIONS IN THE PERUVIAN JUNGLE, 2020-2023

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Viruses - Field and Ecological Studies of Viruses, Including Surveillance and Spillover Risk and Emergence

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UNVEILING THE PATH TO POLIO ERADICATION: INSIGHTS FROM CONSECUTIVE SEROPREVALENCE SURVEYS AMONG PAKISTANI CHILDREN

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ADDRESSING CHALLENGES IN WASTEWATER EPIDEMIOLOGICAL SURVEILLANCE IN TROPICAL REGIONS: COSTA RICAN EXPERIENCE

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HIGH CIRCULATION OF AVIAN INFLUENZA H9N2 SUBTYPE IN LIVE BIRD MARKETS, A NEW EMERGING THREAT IN SENEGAL

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THE PHAGE FACTOR IN ANTIBIOTIC RESISTANCE SPREAD IN THE HOSPITAL AND URBAN SEWAGE SYSTEMS IN GREATER ACCRA REGION, GHANA

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COMET: A DATABASE TO UNTANGLE VIRAL, MOSQUITO, AND ABIOTIC DRIVERS OF VECTOR COMPETENCE

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CO-OCCURRENCE OF VIRAL PATHOGENS IN CHILDREN: INVESTIGATING RESPIRATORY AND GASTROINTESTINAL SYMPTOMS IN SÃO PAULO, BRAZIL, 2021

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CO-CIRCULATION OF TWO LINEAGES OF OROPOUCHE VIRUS IN THE AMAZON BASIN, COLOMBIA, 2024

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SEROPREVALENCE OF DENGUE VIRUS IN THE TAMPA BAY REGION OF FLORIDA AMONG HOSPITALIZED PATIENTS WITH RESPIRATORY SYMPTOMS IN 2020 AND 2021

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EFFECT OF PRIOR DENGUE INFECTION AND SINGLE-DOSE DENGUE VACCINATION ON THE RISK OF SUBSEQUENT VIROLOGICALLY CONFIRMED DENGUE: A FIVE-YEAR PROSPECTIVE COHORT STUDY IN CEBU, PHILIPPINES

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MORPHOLOGICAL AND MOLECULAR IDENTIFICATION OF *AEDES* MOSQUITO POTENTIAL VECTOR OF ARBOVIRUS IN KATI FALADIE, MALI

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PRELIMINARY EVIDENCE OF SILENT CIRCULATION OF *ORTHOFLAVIVIRUS NILENSE* IN EQUIDAE POPULATION IN PIAUI STATE, NORTHEAST BRAZIL

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CHARACTERIZATION OF KOUTANGO VIRUS FROM PHLEBOTOMINE SANDFLIES COLLECTED IN ISIOLO AND BARINGO COUNTIES OF KENYA

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Viruses - Immunology

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DISSECTING ANTIGEN-SPECIFIC T CELL RESPONSES TO MPOX IN VACCINATION AND INFECTION BY GENOME-WIDE ANTIGEN SCREENING

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PRIOR ZIKA VIRUS INFECTION RESTRICTS DIVERSITY OF SUBSEQUENT ACUTE-PHASE PLASMABLAST RESPONSE TO DENGUE VIRUS SEROTYPE 2 AND PREFERENTIALLY SELECTS A SINGLE CLONE

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BLOOD BIOMARKERS THAT PROSPECTIVELY PREDICT HIV-1 INFECTION IN HIGH RISK ADULTS

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SURVEILLANCE OF ACUTE FEBRILE ILLNESSES IN THE COUNTRY OF GEORGIA: INSIGHTS FROM A HOSPITAL-BASED STUDY

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HUMAN *IN VITRO* MODELING CHARACTERIZES MECHANISM OF ACTION OF ADJUVANTATION SYSTEMS DEFINING SCALABLE AND AFFORDABLE PRECISION VACCINE FORMULATIONS FOR EARLY CHILDHOOD

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SEROLOGICAL PROFILING OF RESPONSES TO VACCINATION AND/OR INFECTIONS CRITICAL TO UNLOCK IMMUNE CORRELATES OF PROTECTION

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CYTOKINE PROFILING REVEALS DISTINCTIVE IMMUNE RESPONSES IN DENGUE, ZIKA, CHIKUNGUNYA AND MAYARO VIRUS INFECTIONS

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SERUM INTERLEUKIN-6 AND ZINC LEVELS ARE ASSOCIATED WITH SEVERITY IN COVID-19 PATIENTS FROM LIMA, PERU

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SERUM SPIKE SPECIFIC IGG3 SERVES AS A DISTINGUISHING IMMUNOLOGICAL MARKER BETWEEN SARS-COV-2 INFECTION AND VACCINATION

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NO DISTINCT CYTOKINE, CHEMOKINE AND GROWTH FACTOR (CCG) BLOOD PROFILE ASSOCIATED WITH MONKEYPOX VIRUS CLADE IIB INFECTED PATIENTS

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MODULATION OF THE SPP1 GENE BY CHIKUNGUNYA VIRUS INFECTION *IN VITRO* AND ITS POSSIBLE IMPLICATION IN INFLAMMATION AND DISEASE SEVERITY

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PERSISTENCE OF ANTI-YELLOW FEVER VIRUS IMMUNOGLOBULIN M ANTIBODIES POST-VACCINATION AND ITS REACTIVITY TO THE ENVELOPE DOMAIN III ANTIGEN OF THE YELLOW FEVER VIRUS

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AEDES AEGYPTI MOSQUITO SALIVA INHIBITS HUMAN T CELL PROLIFERATION: IMPLICATIONS FOR ARBOVIRAL DISEASE OUTCOME?

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HUMORAL IMMUNITY FOLLOWING VACCINATION IS SUFFICIENT TO PROTECT AGAINST RIFT VALLEY FEVER VIRUS ENCEPHALITIS

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FILOVIRUS VIRUS GLYCOPROTEIN - EPITOPE MAPPING, AND PSEUDOTYPING

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THE ARYL HYDROCARBON RECEPTOR/AXL PATHWAY AT THE CROSSROADS BETWEEN POLLUTION AND VIRAL INFECTIONS

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SARS-COV-2 MAIN PROTEASE: MOLECULAR DYNAMIC STIMULATION WITH COMPOUNDS FROM AFRICAN NATURAL PRODUCTS

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PROMISING EFFECT OF SILYMARIN IN AN ANIMAL MODEL OF ARTHRITIS AND MYOSITIS INDUCED BY ALPHAVIRUS MAYARO AND CHIKUNGUNYA VIRUSES

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ASSAY DEVELOPMENT OF FLAVIVIRUSES CELL-BASED LUCIFERASE REPORTER SYSTEM TO ENABLE HIGH THROUGHPUT DRUG DISCOVERY

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ESTABLISHMENT OF A BSL-2 NIPAH MINIGENOME SYSTEM FOR ANTIVIRAL DRUG DISCOVERY.

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RAPID-RESPONSE RNA-FISH ASSAY PLATFORM FOR CORONAVIRUS ANTIVIRAL HIGH-THROUGHPUT SCREENING

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UNVEILING THE ANTIVIRAL POTENTIAL OF WEDELOLACTONE AGAINST THE OROPOUCHE VIRUS

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2-PYRIMIDONE COMPOUND SERIES PREVENTS ACUTE VIREMIA AND CHRONIC CHIKUNGUNYA VIRUS IN A MOUSE MODEL OF INFECTION

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USE OF AN INSECT CELL EXPRESSION PLATFORM FOR THE PRODUCTION OF NIPAH AND CRIMEAN-CONGO HEMORRHAGIC FEVER VIRAL FUSION, GLYCO-, AND NUCLEOPROTEINS

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INITIAL CLINICAL CHARACTERIZATION OF EGT710, A NOVEL CORONAVIRUS MPRO INHIBITOR, FOLLOWING ORAL ADMINISTRATION TO HEALTHY ADULTS

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NOVEL IL2 FUSION PROTEIN FOR THE TREATMENT OF CHIKUNGUNYA VIRUS-INDUCED CHRONIC ARTHRITIS IN A MOUSE MODEL

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SYNTHESIS OF NOVEL QUINONES WITH ANTIVIRAL ACTIVITY AGAINST IMPORTANT HUMAN FLAVIVIRUSES

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MONITORING SURFACE CONTAMINATION WITH SARS-COV-2 AND INFLUENZA IN AN ADVANCED RESEARCH LABORATORY SETTING IN GHANA: A PROPOSAL FOR EFFECTIVE PREVENTIVE MEASURES

Roberta Dedei Afi Tackie, Ivy Asantewaa Asante, Joseph Ahia Quacoo, Vanessa Louise Magnusen, Juliet Sefakor Wordui, Nana Afia Asante Ntim, Joseph Asuam Nyarko, Victor Akyedzi Osei
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MULTIFACTORIAL CHARACTERIZATION OF DENGUE TRANSMISSION DYNAMICS IN THE FRENCH CARIBBEAN ISLANDS TO BETTER PREPARE FOR FUTURE EPIDEMICS

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MIDGUT ESCAPE OF YELLOW FEVER 17D VACCINE IN *AEDES AEGYPTI* AT AUGMENTED TEMPERATURES

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A DOUBLE THREAT TO ACT EFFICACY IN AFRICA: REDUCED SUSCEPTIBILITY OF *PLASMODIUM FALCIPARUM* TO BOTH ARTEMISININ AND LUMEFANTRINE

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COMBINATION OF REDOX MODIFIERS WITH ARTEMISININ RESULTS IN INCREASED PARASITE SUSCEPTIBILITY TO ARTEMISININS

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MALARIA DIAGNOSIS AND DRUG RESISTANCE IN A MILITARY HOSPITAL IN YAOUNDE, CAMEROON

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AMPLICON DEEP SEQUENCING OF *PFKELCH13* GENE IN PATIENTS WITH *PLASMODIUM FALCIPARUM* MALARIA DURING THE THERAPEUTIC EFFICACY STUDY TRIALS FROM 2020 TO 2022 IN SENEGAL

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DISSECTING THE ROLE OF *PLASMEPSIN II AND III* IN PIPERAQUINE RESISTANT *P. FALCIPARUM* LINES

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POPULATION PHARMACOKINETICS OF ARTEMETHER-LUMEFANTRINE PLUS AMODIAQUINE IN PATIENTS WITH UNCOMPLICATED *PLASMODIUM FALCIPARUM* MALARIA

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MODEL-GUIDED STRATEGIES FOR MITIGATING ANTIMALARIAL DRUG RESISTANCE: BENEFITS OF EARLY ADOPTION OF TRIPLE ARTEMISININ-BASED COMBINATION THERAPIES IN UGANDA AND TANZANIA

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UNDERSTANDING THE BIPHASIC DOSE-RESPONSE CURVE ASSOCIATED WITH PIPERAQUINE RESISTANCE IN *PLASMODIUM FALCIPARUM*

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HIGH EFFICACY OF ARTEMETHER LUMEFANTRINE AND ARTESUNATE PYRONARIDINE WITH SINGLE LOW DOSE PRIMAQUINE IN ADULT PATIENTS WITH *PLASMODIUM FALCIPARUM* IN A SETTING WITH HIGH PREVALENCE OF MARKERS OF PARTIAL ARTEMISININ RESISTANCE AND *PFHRP2 OR 3* GENE DELETION IN ETHIOPIA: A SINGLE BLIND RANDOMIZED CONTROLLED TRIAL

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THERAPEUTIC EFFICACY AND SAFETY OF ARTEMETHER LUMEFANTRINE (AL) AND ARTESUNATE AMODIAQUINE (ASAQ) FOR THE TREATMENT OF UNCOMPLICATED FALCIPARUM MALARIA IN KAGERA REGION, TANZANIA 2023

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GENOMIC SURVEILLANCE OF *PLASMODIUM FALCIPARUM* IN GOLD MINING AREAS IN THE BRAZILIAN AMAZON BASIN

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AN EFFECTIVE CASCADING CLASSIFIER FOR PATIENT-LEVEL MALARIA DIAGNOSIS ON THE MILAB™ PLATFORM WITH FOCUS-STACKING TINY VISION TRANSFORMER

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EFFICACY AND SAFETY OF ARTEMETHER + LUMEFANTRINE AND ARTESUNATE + AMODIAQUINE FOR UNCOMPLICATED MALARIA IN EQUATORIAL GUINEA

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EVALUATION OF THE EFFICACY OF ARTEMISININ-BASED COMBINATION THERAPIES ON *PLASMODIUM FALCIPARUM*, *PLASMODIUM* MALARIAE AND *PLASMODIUM* OVALE INFECTIONS IN MALI

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OPTIMIZATION OF MULTIPLE-STAGE ACTIVE ANTIMALARIAL PRODIGININES

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PRECLINICAL DEVELOPMENT OF NOVEL DUAL-STAGE ACTIVE ANTIMALARIALS

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DRUG INTERACTION BETWEEN DIHYDROARTEMISININ-PIPERAQUINE AND SULFADOXINE-PYRIMETHAMINE IN PREGNANT WOMEN RECEIVING MALARIA CHEMOPREVENTION

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MICROVOLUME ANALYSIS OF ANTIMALARIAL DRUGS FOR PEDIATRIC PHARMACOKINETIC-PHARMACODYNAMIC STUDIES

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PRIMAQUINE PHARMACOKINETICS AND RADICAL CURE EFFICACY IN *PLASMODIUM VIVAX*-INFECTED ADULTS IN THAILAND

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DISCOVERY OF NOVEL ANTIPLASMODIAL COMPOUNDS USING RING FUSION OF INDOLE ALKALOIDS

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IN SILICO, IN VIVO AND *IN VITRO* TOXICITY ASSESSMENT OF NOVEL HETEROCYCLICS WITH ANTIMALARIAL ACTIVITY

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MALARIA ELIMINATION IN CABO VERDE: AN OVERVIEW ABOUT THE HISTORY, CASE DATA FROM THE LAST 35 YEARS (1985-2023) AND CHALLENGES AHEAD

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MASS DRUG ADMINISTRATION FOR MALARIA IN LOS CHILES, COSTA RICA: ITS IMPLICATIONS FOR ELIMINATION

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ADVANCING MALARIA DIAGNOSTIC AND TREATMENT ACCESSIBILITY: A COLLABORATIVE APPROACH TOWARDS ACHIEVING NATIONAL TARGETS IN BENIN

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INTEGRATING ACTIVE SURVEILLANCE AND ENTOMOLOGY FELLOWSHIP FOR SUSTAINABLE MALARIA CONTROL AND ELIMINATION IN SOUTHERN ANGOLA

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MODELING THE IMPACTS OF SEVERE STORMS ON MALARIA INCIDENCE IN MOZAMBIQUE FROM 2016-2023

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MALARIA AND ANAEMIA PREVALENCE AND ASSOCIATED FACTORS AMONG PREGNANT WOMEN INITIATING ANTENATAL CARE IN GHANA

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A REVIEW OF 15 YEARS OF CRYPTIC MALARIA IN THE UNITED KINGDOM

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ASYMPTOMATIC MALARIA RESERVOIRS IN HONDURAS: A CHALLENGE FOR ELIMINATION

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EVIDENCE OF DECLINING MALARIA TRANSMISSION IN ZIMBABWE, 2014-2023

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IMPACT OF THE INTERRUPTION OF SEASONAL MALARIA CHEMOPREVENTION IMPLEMENTATION ON MALARIA INCIDENCE IN BANDIAGARA, MALI

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CONDUCTING AND OVERCOMING PEDIATRIC CLINICAL TRIALS CHALLENGES IN LOW AND MIDDLE INCOME COUNTRY SETTINGS: EXPERIENCE IN THE DEMOCRATIC REPUBLIC OF CONGO

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SCOPING REVIEW OF NEUROLOGICAL SEQUELAE DUE TO *PLASMODIUM FALCIPARUM* AND *VIVAX* CEREBRAL MALARIA, 1980-2023

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PLASMODIUM OVALE CURTISI AND P.O WALLIKERI CO-CIRCULATION AMONG MALARIA INFECTED PATIENTS IN THREE HEALTH FACILITIES IN DSCHANG, WEST REGION OF CAMEROON

Pacome Valery KOM TCHUENKAM[1], Varun R. Potlapalli[2], Innocent Mbulli ALI[1], Meredith S. Muller[2], Darlin Bean Nguene Kaunda[1], Eva Mai KEMING[1], Kyaw THWAI[2], Oksana Kharabora[2], Jessica T. LIN[2], Jonathan J. Juliano[2]
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NOSOCOMIAL MALARIA: RISK OF MALARIA AFTER HOSPITALIZATION AT JINJA REGIONAL REFERRAL HOSPITAL, UGANDA: A COHORT STUDY

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AN EXPERIMENTAL HUMAN BLOOD-STAGE MALARIA MODEL FOR STUDYING *PLASMODIUM KNOWLESI* INFECTION

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MOLECULAR EPIDEMIOLOGY OF RESIDUAL *PLASMODIUM* SPP. TRANSMISSION IN A PERUVIAN AMAZON BASIN COMMUNITY

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A NATIONAL MOLECULAR SURVEILLANCE PROGRAM FOR THE DETECTION OF *PLASMODIUM SPP.* AND *P. FALCIPARUM* MARKERS OF ARTEMISININ RESISTANCE IN PAPUA NEW GUINEA - 2019-2023

Samuel McEwen[1], Tamarah Koleala[2], Rebecca Narokobi[1], Marie Elliot[2], Annie Dori[1], Dulcie Latu-Ninda[1], Alexa Murrary[1], Rachael Farquhar[1], Willie Porau[3], William Pomat[2], Nakapi Tefuarani[4], Leo Makita[5], Alyssa Barry[6], Maria Ome-Kaius[2], Leanne Robinson[1], Moses Laman[2]
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EXPLAINING TRENDS IN *PLASMODIUM FALCIPARUM* TRANSMISSION IN AFRICA SINCE 2000

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CASE STUDY: ROYAL THAI ARMY SOLDIERS DEPLOYED FOR UN PEACEKEEPING OPERATIONS IN SOUTH SUDAN IN 2023 EXPERIENCE HIGH RATES OF *P. FALCIPARUM* AND *P. OVALE* MALARIA UP TO NINE MONTHS POST-DEPLOYMENT

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SPATIO-TEMPORAL EPIDEMIOLOGY OF URBAN MALARIA OVER DIFFERENT TRANSMISSION SEASONS IN ACCRA, GHANA

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DESCRIPTION OF INPATIENT MALARIA CASE MANAGEMENT AT HEALTH FACILITIES IN SOUTHEASTERN TANZANIA, 2023

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MAPPING MALARIA SEASONALITY IN SUB-SAHARAN AFRICA: METHODOLOGY AND INSIGHTS

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LONG-ACTING FORMULATION OF IVERMECTIN FOR EFFECTIVE MALARIA CONTROL: INSIGHTS FROM AN AGE-STRUCTURED MODELLING STUDY

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BACTERIAL VAGINOSIS IS ASSOCIATED WITH INCREASED RISK OF PLACENTAL MALARIA

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ASSESSMENT OF THE INFECTIVITY OF MALARIA PARASITES FROM ASYMPTOMATIC SCHOOL CHILDREN TO *ANOPHELES* MOSQUITOES IN A HIGH TRANSMISSION AREA IN GHANA

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G6PD DEFICIENCY VARIANTS AND MALARIA: INSIGHTS FROM A HOSPITAL BASED STUDY IN AWKA, SOUTHEAST NIGERIA

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DECLINE IN THE INCIDENCE OF MALARIA IN BENIN IN 2023: INVESTIGATION OF ASSOCIATED FACTORS AND HOW TO MAINTAIN THE TREND

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MODELING THE TEMPORAL INCIDENCE OF FEVER AND CLINICAL MALARIA IN DANGASSA, DISTRICT OF KATI, MALI FROM 2014 TO 2016

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UNDERSTANDING RELATIONSHIPS BETWEEN ENVIRONMENTAL TEMPERATURE, RAINFALL, AND MALARIA IN CHILDREN UNDER 5 YEARS OF AGE IN SENEGAL

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Malaria - Genetics, Genomics and Evolution

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TOWARDS ELUCIDATING THE IMPACT OF TRANSMISSION HETEROGENEITY ON THE RELATIONSHIP BETWEEN MALARIA PARASITE GENETICS AND CLINICAL INCIDENCE

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(ACMCIP Abstract)

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PLASMODIUM FALCIPARUM GENE SIGNATURES OF MALARIA DISEASE SEVERITY IN KENYAN CHILDREN

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(ACMCIP Abstract)

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PLASMODIUM FALCIPARUM GENETIC DIVERSITY IN THE BLOOD STAGE VACCINE CANDIDATE ANTIGEN PFCYRPA IN SENEGAL

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(ACMCIP Abstract)

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EFFECTS OF RECOMBINATION ON LINKAGE DISEQUILIBRIUM IN THE EPIDEMIOLOGY OF *PLASMODIUM FALCIPARUM* MALARIA

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(ACMCIP Abstract)

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ASSESSING CHANGES IN *PLASMODIUM FALCIPARUM* GENETIC DIVERSITY IN NIGERIA POST-ACTS IMPLEMENTATION

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(ACMCIP Abstract)

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MALKINID (MALARIA KINSHIP IDENTIFIER): A LIKELIHOOD MODEL FOR IDENTIFYING PARASITE GENEALOGY RELATIONSHIPS BASED ON GENETIC RELATEDNESS

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(ACMCIP Abstract)

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PLASMODIUM FALCIPARUM ADAPTS TO FRONTLINE DRUG CHANGES THROUGH NEW HAPLOTYPES AT OLD TARGETS

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HMMIBD-RS, AN ENHANCED IMPLEMENTATION OF *HMMIBD* FOR PARALLELIZABLE IDENTITY-BY-DESCENT DETECTION FROM HAPLOID GENOMES

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(ACMCIP Abstract)

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GENETIC SURVEILLANCE REVEALS THE CLONAL REPLACEMENT DYNAMICS AND SPATIAL STRUCTURE OF *PLASMODIUM FALCIPARUM* IN SÃO TOMÉ AND PRÍNCIPE

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(ACMCIP Abstract)

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APPLICATION OF HIGHLY MULTIPLEXED AMPLISEQ TARGETED NGS ASSAYS FOR GENOMIC SURVEILLANCE USE CASES FOR *P. FALCIPARUM* AND *P. VIVAX* IN ASIA, AFRICA AND LATIN AMERICA

Johanna H. Kattenberg[1], Mathijs Mutsaers[1], Nguyen Van Hong[2], Luis E. Cabrera-Sosa[3], Florence Ouédraogo[4], Bénédicte Palata[5], Nguyen Thi Hong Ngoc[2], Nguyen Huong Binh[2], Papy Mandoko[5], Dionicia Gamboa[3], Hamtandi M. Natama[4], Anna Rosanas-Urgell[1]
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(ACMCIP Abstract)

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TEMPORAL GENOMIC ANALYSIS REVEALED MAINTAINED GENETIC DIVERSITY AND COMPLEXITY OF INFECTION AMONG *PLASMODIUM FALCIPARUM* INFECTIONS IN MAINLAND TANZANIA:2021-2022

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(ACMCIP Abstract)

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DIVERSITY AND MULTIPLICITY OF *PLASMODIUM FALCIPARUM* INFECTIONS AMONG ASYMPTOMATIC SCHOOL CHILDREN IN ANKAZOABO, SOUTHERN MADAGASCAR

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(ACMCIP Abstract)

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REVEALING NOVEL GENETIC VARIANTS IN THE MALARIA TRANSMISSION BLOCKING VACCINE CANDIDATE PFS25

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AMPLICON AND SNP GENOTYPING OF *P. FALCIPARUM* AND *P. VIVAX* CASES IDENTIFIES HIGHLY RELATED SAMPLE CLUSTERS AS BHUTAN APPROACHES ELIMINATION

Emma Rowley[1], Kelsey Murt[1], Jean-Paul Courneya[1], Bing Guo[1], Biraj Shrestha[1], Mariusz Wojnarski[2], Risintha Premaratne[3], Xong Hong Li[3], Kesang Wangchuck[4], Sonam Wangdi[3], Kim Lindblade[5], Tobgye Tobgye[6], Shannon Takala-Harrison[1]
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(ACMCIP Abstract)

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PULSED MICROWAVE IRRADIATION INDUCES APOPTOSIS LIKE CELL DEATH IN *PLASMODIUM FALCIPARUM* VIA FAS/FASL DEATH RECEPTOR PATHWAY

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(ACMCIP Abstract)

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SETTING A MRDT-BASED STRATEGY FOR MONITORING THE OCCURRENCE OF *PLASMODIUM FALCIPARUM HRP2* AND *HRP3* DELETIONS IN MADAGASCAR

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(ACMCIP Abstract)

Malaria - Immunology

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GUT MICROBIOTA-INDUCED IMMUNE TOLERANCE IMPAIRS SYSTEMIC IMMUNITY AGAINST SEVERE MALARIA

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(ACMCIP Abstract)

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AGEING OF *PLASMODIUM FALCIPARUM* MALARIA SPOROZOITES ALTERS THEIR MOTILITY, INFECTIVITY AND REDUCES IMMUNE ACTIVATION *IN VITRO*

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(ACMCIP Abstract)

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LEVERAGING BIRTH COHORTS TO TRACE COMPLICATED MALARIA RISK AND ITS IMMUNOLOGICAL CORRELATES AT EACH INFECTION IN INFANCY

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(ACMCIP Abstract)

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REACTIVITY OF ANTIBODIES AGAINST MALARIA AND OTHER PARASITIC DISEASES TO THE ANTIGENS N, S AND S1 SUBUNIT RDB951 USED IN COVID-19 SEROLOGY

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(ACMCIP Abstract)

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A NOVEL MURINE MODEL FOR INVESTIGATING THE PATHOGENIC ROLE OF COAGULATION IN MALARIA-ASSOCIATED ACUTE RESPIRATORY DISTRESS SYNDROME

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(ACMCIP Abstract)

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COMPARING MIXTURE MODELING APPROACHES FOR CLASSIFYING LONG-TERM MALARIA SEROLOGICAL MARKERS IN NORTHERN LAOS

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(ACMCIP Abstract)

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TARGETS OF CSP-BASED MALARIA VACCINES: WHAT WE MISSED IN 1987 AND WHAT IS MISSING NOW

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(ACMCIP Abstract)

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INVESTIGATING THE ASSOCIATION BETWEEN MALARIA INFECTION AND AUTOANTIBODY PRODUCTION IN MURINE AND HUMAN STUDIES

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(ACMCIP Abstract)

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PROTEIN SEQUENCE AND STRUCTURE, AND ANTIBODY PROFILE OF THE AMA1 FROM THREE *PLASMODIUM* SPECIES

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(ACMCIP Abstract)

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MALARIA EXPOSURE RISK AND NATURALLY ACQUIRED IMMUNITY AMONG STUDENTS FROM SOUTHERN AND NORTHERN GHANA

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UNVEILING IMMUNODOMINANT REGIONS OF PFCERLI1: INSIGHTS FOR MALARIA VACCINE DEVELOPMENT

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(ACMCIP Abstract)

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EARLY MALARIA IMMUNE SIGNATURES IN NAÏVE ADULTS EXPERIMENTALLY INFECTED WITH *PLASMODIUM FALCIPARUM* REVEAL HIGH AND LOW RESPONDERS

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(ACMCIP Abstract)

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ANTI-CIRCUMSPOROZOITE PROTEIN ANTIBODIES AS MARKERS FOR MALARIA TRANSMISSION MONITORING

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(ACMCIP Abstract)

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PLASMABLAST IG REPERTOIRE DYNAMICS THROUGH REPEAT *PLASMODIUM FALCIPARUM* CHALLENGES REVEAL SIGNATURES OF NEGATIVE SELECTION

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(ACMCIP Abstract)

Malaria - Pathogenesis

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VENOUS BLOOD GAS ANALYSIS IN UGANDAN CHILDREN WITH SEVERE MALARIA

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(ACMCIP Abstract)

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DYSREGULATION OF NETOSIS IN PEDIATRIC PATIENTS WITH SEVERE MALARIAL ANEMIA

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(ACMCIP Abstract)

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ASYMPTOMATIC *P. FALCIPARUM* INFECTION IS NOT ASSOCIATED WITH EXPOSURE TO SOIL TRANSMITTED HELMINTHS IN CHILDREN FROM A MULTI SCHOOL-BASED STUDY IN ESSE, CAMEROON

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(ACMCIP Abstract)

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UPREGULATION OF GENE TRANSCRIPTS FOR SEVEN CRITICAL *PLASMODIUM FALCIPARUM* GLYCOLYTIC ENZYMES IN PEDIATRIC SEVERE MALARIAL ANEMIA

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(ACMCIP Abstract)

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HEME AND HEMOGLOBIN SCAVENGING DEFICIENCIES IN PEDIATRIC SEVERE MALARIAL ANEMIA-- INSIGHTS FROM PLASMA PROTEOMICS

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(ACMCIP Abstract)

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TRANSCRIPTOMIC INSIGHTS INTO COMPLEMENT-ASSOCIATED GENE DYSREGULATION IN CHILDHOOD SEVERE MALARIAL ANEMIA

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PLASMODIUM KNOWLESI INFECTION IS ASSOCIATED WITH ELEVATED CIRCULATING BIOMARKERS OF BRAIN INJURY AND ENDOTHELIAL ACTIVATION

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(ACMCIP Abstract)

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TRANSCRIPTOME PROFILE OF BLOODSTAGE *PLASMODIUM FALCIPARUM* IN CHILDREN WITH SEVERE MALARIAL ANEMIA

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PROBING THE RELATIONSHIPS BETWEEN COAGULATION, INFLAMMATION, AND OXIDATIVE STRESS IN PLACENTAL MALARIA PATHOGENESIS

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(ACMCIP Abstract)

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REGULATED CELL DEATH IN PLACENTAL MALARIA: NECROPTOSIS ASSOCIATES WITH INFECTION AND INFANT BIRTH WEIGHT

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(ACMCIP Abstract)

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THE RELATIONSHIP BETWEEN PLACENTAL MALARIA INFECTION, HIV, INTESTINAL PERMEABILITY, AND INFLAMMATION IN POST-PARTUM KENYAN WOMEN

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(ACMCIP Abstract)

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BIOCHEMICAL AND BIOINFORMATIC CHARACTERISATION OF UNDERSTUDIED ERYTHROCYTE SURFACE EXPRESSED HYPERVARIABLE PROTEIN FAMILIES IN PLASMODIUM FALCIPARUM

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(ACMCIP Abstract)

Malaria - Prevention

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PRECARIOUS SECURITY CONTEXT AND ADAPTATIVE METHODS TO IMPLEMENT SEASONAL MALARIA CHEMOPREVENTION (SMC) IN BURKINA FASO

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PERFORMANCE OF A NEW COMMUNITY HEALTH POLICY IN BENIN FOR DISTRIBUTING INSECTICIDE-TREATED NETS: EXPERIENCE OF 2023 MASS CAMPAIGN

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EVALUATION OF SEASONAL MALARIA CHEMOPREVENTION IMPLEMENTATION IN THE UPPER EAST REGION OF NORTHERN GHANA

Emmanuel Yidana Ayamba[1], Emmanuel K. Dzotsi[2], William Dormechele[1], Nana A. Ansah[1], Oscar Bangre[1], Josephat A. Nyuzaghl[2], Sydney A. Abilba[2], Samuel K. Boakye-Boateng[2], Patrick O. Ansah[1]
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LOCALIZATION IN ACTION: TRANSITIONING INDOOR RESIDUAL SPRAYING MANAGEMENT TO HOST COUNTRY GOVERNMENT IN ANKAZOABO DISTRICT, ATSIMO ANDREFANA REGION, MADAGASCAR, 2023

RAMANDIMBIARIJAONA Herizo
NMCP Madagascar, Antananarivo, Madagascar

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SEASONAL MALARIA CHEMOPREVENTION IN NORTHERN MOZAMBIQUE: A COST-EFFECTIVENESS ANALYSIS

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ACCEPTABILITY OF A SCREENING AND TREATMENT STRATEGY TO THE POPULATION AS PART OF STRENGTHENING THE IMPACT OF SEASONAL MALARIA CHEMOPREVENTION IN BURKINA FASO

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LEVERAGING PERENNIAL MALARIA CHEMOPREVENTION (PMC) PILOT IMPLEMENTATION TO PAVE THE WAY FOR PMC AND MALARIA VACCINE CO-IMPLEMENTATION IN THE DEMOCRATIC REPUBLIC OF CONGO

Aline Maliwani[1], Mvuama Mazangama[2], Nono Koka[3], Packy Mukanya[1], Jicko Bondole[2], Gloire Mbaka Onya[2], Rova Ratsimandisa[2], Michael Hainsworth[4], Arantxa Roca Feltrer[5], Caterina Guinovart[6], Eric Mukomena[1], Henry Ntuku[7]
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ACCEPTABILITY OF INTEGRATING NOVEL MALARIA PREVENTION TOOLS INTO ROUTINE IMMUNIZATION VISITS IN CAMEROON

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IMPACT ON PREGNANCY OUTCOMES OF INTERMITTENT PREVENTIVE TREATMENT WITH SULPHADOXINE-PYRIMETHAMINE IN URBAN AND PERI-URBAN PAPUA NEW GUINEA - A RETROSPECTIVE COHORT STUDY

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A RANDOMIZED CONTROLLED TRIAL OF DIHYDROARTEMISININE PIPERAQUINE FOR SEASONAL MALARIA CHEMOPREVENTION IN CHILDREN UNDER 10 YEARS OLD IN KOULIKORO, MALI

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EVALUATION OF CLOTHIANIDIN INDOOR RESIDUAL SPRAYING (IRS) AND PIPERONYL BUTOXIDE (PBO) INSECTICIDE-TREATED NET (ITN) CO-DEPLOYMENT COMPARED TO PBO ITNS ONLY USING HEALTH MANAGEMENT INFORMATION SYSTEM DATA IN SIERRA LEONE, 2017-2023

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SUB-NATIONAL AND SUB-ANNUAL COVERAGE OF SEASONAL MALARIA CHEMOPREVENTION IN AFRICA 2012-2023

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DEVELOPMENT OF AN ELQ-331 LOADED IMPLANT FOR LONG-TERM PROTECTION AGAINST MALARIA

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THREE YEARS OF MONITORING AND EVALUATING SEASONAL MALARIA CHEMOPREVENTION DELIVERY IN NEW LOCATIONS IN EAST AND SOUTHERN AFRICA: RESULTS AND LESSONS FROM THREE COUNTRIES

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FACTORS ASSOCIATED WITH MALARIA INCIDENCE AMONG CHILDREN RECEIVING SEASONAL MALARIA CHEMOPREVENTION IN NINE STATES IN NIGERIA

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PREDICTORS OF COHORT RETENTION AMONG ELIGIBLE CHILDREN RECEIVING SEASONAL MALARIA CHEMOPREVENTION IN NINE STATES IN NIGERIA

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COST-UNIT ANALYSIS OF VECTORCAM: A NOVEL COMMUNITY-BASED AI TOOL FOR VECTOR SURVEILLANCE TO IDENTIFY MOSQUITOES' SPECIES IN RURAL UGANDA

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DESCRIPTION OF FACTORS ASSOCIATED WITH MALARIA PREVALENCE IN TWO TRANSMISSION SETTINGS IN SIAYA COUNTY, WESTERN KENYA (2022-2024)

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THE INTEGRAL ROLE OF GIS IN THE SEASONAL MALARIA CHEMOPREVENTION CAMPAIGN TO IMPROVE MONITORING_A CASE STUDY OF TARABA STATE, NORTHEAST, NIGERIA

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Malaria - Vaccines and Immunotherapeutics

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IMPACT OF RTS,S MALARIA VACCINE ON *PLASMODIUM FALCIPARUM* INFECTION IN SCHOOL-AGED CHILDREN: INTERIM RESULTS FROM INDIVIDUALLY RANDOMIZED CLINICAL TRIAL IN MALAWI

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ACCELERATED STABILITY STUDY OF CGMP DRUG PRODUCT INTERMEDIATE PVS230D1-EPA CONJUGATE

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DEVELOPMENT OF VACCINE CANDIDATES AGAINST PLACENTAL MALARIA USING PEPTIDE-DECORATED ANTIGENIC LIPOSOMES

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SAFETY AND REACTOGENICITY OF THE MALARIA VACCINE CANDIDATE ANAPN1 IN HEALTHY ADULTS IN GABON: PRELIMINARY DATA OF A RANDOMIZED, CONTROLLED, PHASE1 DOSE-ESCALATION CLINICAL TRIAL

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CAREGIVER PERCEPTION AND ACCEPTABILITY OF THE MALARIA VACCINE RTS,S PRIOR TO INTRODUCTION IN THE FAR NORTH REGION OF CAMEROON

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EFFECTIVENESS AND IMPACT OF THE RTS,S/AS01$_E$ MALARIA VACCINE ONE YEAR AFTER THE PRIMARY VACCINATION IN REAL-LIFE SETTINGS IN THREE SUB-SAHARAN AFRICAN COUNTRIES: INTERIM RESULTS

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CHARACTERIZING HUMAN MONOCLONAL ANTIBODIES INDUCED BY VACCINES AGAINST *PLASMODIUM VIVAX* DUFFY-BINDING PROTEIN

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COMPARATIVE STUDY OF ANTIBODY EFFECTOR FUNCTIONS IN UK INDIVIDUALS AFTER VACCINATION EITHER WITH RTS,S AS01$_B$ OR R21 MATRIX-M ENROLLED INTO CONTROLLED HUMAN MALARIA INFECTION STUDIES

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SAFETY AND IMMUNOGENICITY OF THE MALARIA VACCINE R21/MATRIX-M™IN UGANDAN CHILDREN LIVING WITH HIV

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A NOVEL *EX VIVO* ASSAY TO EVALUATE FUNCTIONAL EFFECTIVENESS OF *PLASMODIUM VIVAX* TRANSMISSION BLOCKING VACCINE USING PVS25 TRANSGENIC *P. BERGHEI*

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MALARIA VACCINE INTRODUCTION REDUCED CLINICAL MALARIA IN KENYA: TIME-SERIES ANALYSIS OF ROUTINE HEALTH FACILITY SURVEILLANCE DATA (2020-2022)

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IMMATURE DENDRITIC CELL TARGETING MRNA VACCINE ENHANCES PROTECTION FROM *PLASMODIUM* LIVER STAGE INFECTION BY ENHANCING T CELL RESPONSES AND ANTIBODY TITERS AGAINST CSP REPEAT REGIONS

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THE PVRBP2B-TFR1 INTERACTION IS NOT ESSENTIAL FOR RETICULOCYTES INVASION BY *PLASMODIUM VIVAX* ISOLATES FROM CAMBODIA

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THE EFFECTS OF VACCINE ADJUVANTS & MAJOR HISTOCOMPATIBILITY COMPLEX (MHC) ON THE IMMUNOGENICITY OF A SUBDOMINANT EPITOPE IN *PLASMODIUM VIVAX* DUFFY BINDING PROTEIN

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VACCINE DESIGNS TO ELICIT PROTECTIVE ANTIBODIES AGAINST *PLASMODIUM FALCIPARUM* CSP

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AMA1-SPECIFIC HUMAN MONOCLONAL ANTIBODIES INHIBIT *PLASMODIUM VIVAX* PRE-ERYTHROCYTIC AND BLOOD STAGE INFECTION

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DESIGN AND EVALUATION OF CHIMERIC *PLASMODIUM FALCIPARUM* CIRCUMSPOROZOITE PROTEIN-BASED MALARIA VACCINES

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ASEPTIC, PURIFIED, VIALED *PLASMODIUM VIVAX* SPOROZOITES FOR CONTROLLED HUMAN MALARIA INFECTION

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Bacteriology - Enteric Infections

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ANTIMICROBIAL RESISTANCE OF *SHIGELLA* AMONG CHILDREN UNDER FIVE YEARS WITH DIARRHEA OVER A DECADE IN THE GAMBIA

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COMPARING WHOLE CELL PSORALEN INACTIVATED *SHIGELLA* VACCINE VERSUS FORMALIN INACTIVATED *SHIGELLA* VACCINE IN MICE

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ESTABLISHING CHOLERA SURVEILLANCE IN RURAL NEPAL DURING COVID-19 PANDEMIC: LESSONS LEARNED

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A COMPARISON OF SEROLOGIC, MOLECULAR, AND GENOMIC APPROACHES FOR SEROTYPING *SHIGELLA FLEXNERI* STRAINS ISOLATED FROM THE PERUVIAN AMAZON

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INTERIM SAFETY DATA FROM A PHASE 1/2A, RANDOMIZED, CONTROLLED, OBSERVER-BLIND TRIAL TO EVALUATE THE SAFETY, REACTOGENICITY AND IMMUNOGENICITY OF A TRIVALENT VACCINE AGAINST INVASIVE NONTYPHOIDAL SALMONELLOSIS (INTS) AND TYPHOID FEVER IN HEALTHY EUROPEAN AND AFRICAN ADULTS

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POLYCHROMATIC FLOW CYTOMETRY PANELS TO CHARACTERIZE ANTIGEN-SPECIFIC MEMORY B-CELLS INDUCED BY ENTEROTOXIGENIC *ESCHERICHIA COLI* VACCINES

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RETAINING AZITHROMYCIN SUSCEPTIBILITY IN THE FACE OF INCREASING USE IN SUB-SAHARAN AFRICA-THE ROLE OF EFFLUX PUMP INHIBITORS

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ESTIMATING THE COST-OF-ILLNESS RELATED TO CHOLERA IN MOZAMBIQUE AND NEPAL

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SINGLE DOSE AZITHROMYCIN AMONG CHILD CONTACTS OF CHOLERA PATIENTS CAN REDUCE CHOLERA AT HOUSEHOLD LEVEL: A DOUBLE-BLINDED RANDOMIZED CONTROL TRIAL

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TYPHOID CONJUGATE VACCINE INTRODUCTION: DECISION-MAKING IN THE CONTEXT OF LIMITED DATA USING A BURDEN AND RISK ASSESSMENT FRAMEWORK

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EVALUATING THE IMPACT OF VACCINATION WITH ORAL CHOLERA VACCINE ON CHOLERA BURDEN IN HIGH TRANSMISSION AREAS OF DHAKA, BANGLADESH AN INTERRUPTED TIME SERIES ANALYSIS

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GENETIC DETERMINANTS OF EXTENDED-SPECTRUM BETA-LACTAMASE RESISTANCE IN *SHIGELLA* SPECIES IN KENYA

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MOLECULAR CHARACTERIZATION AND PHENOTYPIC ANTIMICROBIAL RESISTANCE PROFILE OF DIARRHEAGENIC *ESCHERICHIA COLI* ISOLATED FROM PATIENTS WITH ACUTE DIARRHEA VISITING KERICHO COUNTY REFERRAL HOSPITAL, KERICHO, KENYA

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CAMPYLOBACTER SPP AND ANTIMICROBIAL RESISTANCE IN A DIARRHEAL CASE-CONTROL STUDY IN KENYA

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TIMING OF CHOLERA CASES ADMISSIONS AND IMPLICATIONS FOR CASE MANAGEMENT IN THE DEMOCRATIC REPUBLIC OF THE CONGO

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ANTIMICROBIAL RESISTANCE PATTERNS AT AN URBAN REFERRAL HOSPITAL IN BLANTYRE, MALAWI

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SPATIAL PATTERNS OF HANSEN'S DISEASE AND WASH RISK FACTORS IN MINAS GERAIS, BRAZIL

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THE IMPACTS OF THE CROSSTALK BETWEEN BACTERIAL VAGINOSIS ASSOCIATED BACTERIA AND *TRICHOMONAS VAGINALIS* ON THE PATHOGENESIS AND HOST IMMUNE RESPONSES

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PHYLOGENETIC AND PHENOTYPIC CHARACTERIZATION OF *BURKHOLDERIA PSEUDOMALLEI* ISOLATES FROM GHANA REVEALS A NOVEL SEQUENCE TYPE AND COMMON PHENOTYPES

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REAL TIME PCR-HIGH RESOLUTION MELTING ANALYSIS FOR PATHOGENIC *LEPTOSPIRA* SPP. IDENTIFICATION

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MULTI-DRUG THERAPY IS REQUIRED TO EFFECTIVELY TREAT *BARTONELLA* INFECTION IN DIFFERENT ENVIRONMENTS

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EPIDEMIOLOGY OF INVASIVE *STAPHYLOCOCCUS AUREUS* IN PATIENTS SEEN AT AN OUTPATIENT CLINIC IN THE GAMBIA

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CLINICAL CHARACTERIZATION OF HUMAN LEPTOSPIROSIS IN A REGION OF THE COLOMBIAN CARIBBEAN

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SEROLOGICAL ASSESSMENT OF *HELICOBACTER PYLORI* INFECTION AND ITS ASSOCIATED RISK FACTORS IN ASYMPTOMATIC GHANAIAN PATIENTS, ATTENDING AGONA GOVERNMENT HOSPITAL

KOFI AGYAPONG ADDO[1], Daniel Kusi Ampofo[2], Samuel Ofori Ayetibo[1], Austine Tweneboah[3], Papa Kofi Amissah-Reynolds[1], Victor Agyei[1], Kingsley Badu[2]
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7375

ASSESSING PROGRESS TOWARDS THE ELIMINATION OF MOTHER-TO-CHILD TRANSMISSION OF SYPHILIS IN PERU

Jazmin Qquellon, Ariana Cardenas, Andrea Castro-Caparó, Gabriel Carrasco-Escobar
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BACTERIOLOGICAL PROFILES OF DIABETIC ULCERS IN CASES OF MAJOR LIMB AMPUTATION: INSIGHTS FROM SOLOMON ISLANDS

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7377

HANSEN'S DISEASE (LEPROSY) IN THE UNITED STATES OF AMERICA: A SYSTEMATIC REVIEW

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COXBASE GOES WIKI - HOW TO CREATE SUSTAINABILITY FOR GENOMIC Q FEVER DATA

Vanessa Scharf[1], Silke Fischer[2], Andrea Helbich[3], Mandela Fasemore[1], Mathias Walter[4], Gilles Vergnaud[5], Thomas Dandekar[6], Konrad Förstner[1], **Dimitrios Frangoulidis**[3]
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ROLE OF ACRAB AND OQXAB EFFLUX PUMPS IN AMIKACIN AND CIPROFLOXACIN RESISTANCE AMONG CLINICAL ISOLATES OF KLEBSIELLA PNEUMONIAE IN LIMA, PERU

Deysi J. Aguilar-Luis[1], Wilmer Silva-Caso[1], Liliana Morales-Castillo[2], Hugo Carrillo-Ng[1], Giancarlo Pérez-Lazo[2], Miguel A. Aguilar-Luis[1], **Juana del Valle-Mendoza**[1]
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Cestodes (Including Taeniasis and Cysticercosis, Echinococcosis/Hydatid Disease, and Others)

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PREVENTION AND CONTROL OF HYDATID CYST: STRATEGIES, CHALLENGES, AND FUTURE DIRECTIONS

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(ACMCIP Abstract)

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CLINICAL MANAGEMENT AND RECURRENCE OF HUMAN CYSTIC ECHINOCOCCOSIS IN A SECONDARY HEALTHCARE CENTER OF A HIGHLY ENDEMIC AREA IN THE ANDES OF CUSCO, PERU

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(ACMCIP Abstract)

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SUBARACHNOID NEUROCYSTICERCOSIS: CLINICAL, SEROLOGICAL AND NEUROIMAGING EVOLUTION AFTER ANTIPARASITIC TREATMENT

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(ACMCIP Abstract)

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EXPERIMENTAL INFECTIONS DEMONSTRATE CONCOMITANT IMMUNITY AGAINST *TAENIA SOLIUM* IN PIGS: QUANTIFYING THE IMPACTS OF AGE AND PRIOR INFECTIONS ON THE NUMBER OF CYSTS

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(ACMCIP Abstract)

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ECHINOCOCCOSIS: ASSESSING SURVEILLANCE NEEDS FOR AN EMERGING INFECTIOUS DISEASE IN THE UNITED STATES

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(ACMCIP Abstract)

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POVERTY LEVELS ASSOCIATED WITH THE PREVALENCE OF LIVER CYSTIC ECHINOCOCCOSIS IN A PERUVIAN RURAL COMMUNITY

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(ACMCIP Abstract)

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ALVEOLAR ECHINOCOCCOSIS: NOT JUST IN ENDEMIC COUNTRIES

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SURGICAL TECHNIQUES AND COST ANALYSIS OF PULMONARY ECHINOCOCCOSIS: A SINGLE CENTER EXPERIENCE

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(ACMCIP Abstract)

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FORMALIN INJECTION LEADING TO CHEMICAL CHOLANGITIS IN SURGERY FOR ECHINOCOCCAL CYST: A CASE REPORT

Sofia Frattola[1], Gianluca D'Alessandro[1], Andrea Lombardi[2], Chiara Stocchero[1], Tommaso Manciulli[3], Raffaella Lissandrin[1], Francesca Donato[2], Clara Dibenedetto[4], Marcello Maestri[1], Enrico Brunetti[1]
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(ACMCIP Abstract)

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A RARE CASE OF NEUROCYSTICERCOSIS WITH THE NORTHERN HEMISPHERE TAPEWORM *TAENIA CRASSICEPS*

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(ACMCIP Abstract)

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PYROPTOSIS CELL DEATH IN RAT BRAIN TISSUE WITH NEUROCYSTICERCOSIS

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(ACMCIP Abstract)

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A ONE HEALTH SYSTEMATIC REVIEW OF ECHINOCOCCAL INFECTIONS IN CANADA

Katrina Di Bacco[1], Marine Hubert[1], Olivier Mukuku[1], Cédric Yansouni[2], Hélène Carabin[1]
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(ACMCIP Abstract)

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COMPARISON OF THE DIAGNOSTIC ACCURACY OF LIVER ULTRASONOGRAPHY AND COMPUTED TOMOGRAPHY FOR CYSTIC ECHINOCOCCOSIS IN A NATURALLY INFECTED SHEEP MODEL

Saul J. Santivanez[1], Raul Enriquez[1], Percy Soto-Becerra[1], Andreas Neumayr[2], Cesar Gavidia[3], Oswaldo G.E. Espinoza-Hurtado[1], Hector H. Garcia[4]
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(ACMCIP Abstract)

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STUDY OF THE PREVALENCE OF CYSTIC ECHINOCOCCOSIS IN LIVESTOCK COMMUNITIES OF CUSCO, PERU

Jorge Hurtado-Alegre, Oswaldo G.E. Espinoza-Hurtado, Raul Enriquez, Natalia Valverde-Espinoza, Dan Cajacuri-Solis, **Saul J. Santivanez**
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(ACMCIP Abstract)

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IMMUNOHISTOCHEMICAL IDENTIFICATION AND SPATIAL DISTRIBUTION OF TWO ANTIGENS IN CEREBRAL PORCINE NEUROCYSTICERCOSIS

Luz M. Toribio Salazar, Lizziee Tello, Javier A. Bustos, Manuela Verastegui, Hector Garcia
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(ACMCIP Abstract)

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EVALUATION OF DAMAGE IN AXONAL TRANSPORT THROUGH THE IMMUNOREACTIVITY OF THE MOTOR PROTEINS KINESIN AND DYNEIN IN BRAIN TISSUE OF RATS WITH NEUROCYSTICERCOSIS

Ayme Yadine Huaman Navarro[1], Lizbeth Clemen Fustamante Fernández[1], Maria Milagros Dueñas Mendoza[1], Danitza Griselda Dávila Villacorta[1], Cesar M. Gavidia[2], Manuela R. Verástegui[1], Robert H. Gilman[3], Cysticercosis Working Group in Peru[1]
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(ACMCIP Abstract)

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IDENTIFICATION OF PROTEINS WITH TGF- B FUNCTION IN THE EXCRETORY SECRETORY PRODUCTS OF *TAENIA SOLIUM* LARVAL STAGE

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DEFINING THE CELLULAR COMPOSITION OF THE CSF IN SUBARACHNOID NEUROCYSTICERCOSIS THOUGH MULTIDIMENSIONAL SPECTRAL FLOW CYTOMETRY

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Clinical Tropical Medicine

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SARS-COV-2 EXPOSURE BEFORE OR AFTER *PLASMODIUM VIVAX* INFECTION EXACERBATES THE HUMORAL RESPONSE AGAINST THE LATTER

Alonso Cruz-Echevarría[1], Katherine Garro[1], Françoise Donnadieu[2], Joseph Vinetz[3], Stéphane Pelleau[2], Dionicia Gamboa[4], Michael White[2], Katherine Torres[1]
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EVALUATION OF NEUROCYSTICERCOSIS PRESENTATION AND MANAGEMENT IN HOUSTON, TEXAS

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ASSOCIATIONS BETWEEN C-REACTIVE PROTEIN, MALARIA, AND MALNUTRITION AMONG CHILDREN WITH FEBRILE ACUTE RESPIRATORY ILLNESS IN UGANDA

Caitlin A. Cassidy[1], Di Hu[1], John S. Preisser[1], Lydia Kabugho[2], Emmanuel Baguma[2], Georget Kibaba[2], Fred Mwembembezi[2], Jonathan J. Juliano[1], Edgar M. Mulogo[2], Ross M. Boyce[1], Emily J. Ciccone[1]
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UNRAVELLING THE ENIGMA: HOW SIMULATION-BASED CLINICAL TRAINING ENHANCES THE DIAGNOSIS OF VIRAL ENCEPHALITIS - INSIGHTS FROM GHANA'S SECOND LARGEST REFERRAL HOSPITAL

Richmond Yeboah[1], Joseph Bonney[2], Richmond Gorman[1], Yaw A. Amoako[3], Richard O. Phillips[1], Augustina A. Sylverken[1]
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SEVERE *PLASMODIUM* FALCIPARUM MALARIA WITH SYMMETRIC PERIPHERAL GANGRENE: A REPORT OF TWO CASES

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PERFORMANCE OF QUANTITATIVE POINT-OF-CARE TESTS TO MEASURE G6PD ACTIVITY: A META-ANALYSIS

Arkasha Sadhewa[1], Ari W. Satyagraha[2], Mohammad Shafiul Alam[3], Vinod K. Bhutani[4], Gonzalo J. Domingo[5], Michael E. von Fricken[6], Muzamil Mahdi Abdel Hamid[7], Bernard A. Okech[8], Sampa Pal[5], Ric N. Price[1], Kamala Thriemer[1], Ronald J. Wong[4], Stephanie Zobrist[5], Benedikt Ley[1]
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UNBIASED METAGENOMIC SEQUENCING OF ACUTE ENCEPHALITIS AND MENINGOENCEPHALITIS FOR IDENTIFICATION OF INFECTIOUS ETIOLOGIES IN NEPAL

Nishan Katuwal[1], Babita Khanal[2], Dilliram Kafle[2], Dipesh Tamrakar[1], Cristina M Tato[3], Juliana Gil[3], Rajeev Shrestha[1]
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ENVIRONMENTAL ENTERIC DYSFUNCTION IN NON-SLUM-DWELLING WELL-NOURISHED WOMEN IN DHAKA CITY

Mustafa Mahfuz[1], Rumana Sharmin[1], A. H. M. Rezwan[1], Md. Shabab Hossain[1], S. M. Khodeza Nahar Begum[2], M. Masudur Rahman[3], Tahmeed Ahmed[1]
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ADAPTIVE DENGUE ANTIVIRAL PLATFORM TRIAL (ADAPT): A RANDOMIZED, ADAPTIVE, OPEN LABEL TRIAL FOR ANTIVIRAL SCREENING IN PATIENTS WITH EARLY SYMPTOMATIC DENGUE

Angela McBride[1], Vuong Nguyen Lam[2], Huyen Tran Bang[2], Trieu Huynh Trung[2], Nguyet Nguyen Minh[2], Tran Luu Hoai Bao[2], Chanh Ho Quang[2], Dong Thi Hoai Tam[2], Evelyne Kestelyn[2], James Watson[1], Sophie Yacoub[1]
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SURVIVING SNAKEBITE ENVENOMING- DECADES-LONG WAR WITH CHRONIC KIDNEY DISEASE: A CASE SERIES FROM RAJASTHAN, INDIA

Divya Tanwar, Samarth Bhat K S, Akhilesh Kumar PH, Sudharshan Jagennath, Akash Virupaxi Bhagoji, M K Garg, Maya Gopalakrishnan
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PREVALENCE OF *PLASMODIUM FALCIPARUM* INFECTION AMONG CHILDREN HOSPITALIZED WITH ACUTE RESPIRATORY ILLNESS IN WESTERN UGANDA

Elise R. King[1], Ronnie Ndizeye[2], Emmanuel Baguma[2], Georget Kibaba[2], Ross Boyce[1], Edgar M. Mulogo[2], Emily Ciccone[1]
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IMPROVING INFECTION PREVENTION AND CONTROL COMPLIANCE IN CAMEROONIAN HEALTHCARE FACILITIES USING THE WORLD HEALTH ORGANIZATION CORONAVIRUS SCORECARD TOOL

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COULD EARLY CARE SEEKING AND INCREASED ACCESS TO COMMUNITY-LEVEL HEALTH SERVICES STOP THE INCREASING MALARIA-RELATED DEATHS IN ZIMBABWE?

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ESTIMATES AND SPATIAL PREVALENCE OF *TRYPANOSOMA CRUZI* INFECTION AMONG CHILDREN IN NEW YORK CITY

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EPIDEMIOLOGY OF NEUROCYSTICERCOSIS: A 30 YEAR PILOT STUDY OF HOSPITALIZED PATIENTS IN FLORIDA

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TARGETED CLINICAL MENTORSHIP IMPROVES PERFORMANCE OF MALARIA SERVICES IN ZIMBABWE

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A SYSTEMATIC REVIEW AND META-ANALYSIS OF CLINICAL PROGNOSTIC MODELS AMONG CHILDREN WITH SEPSIS IN LOW- AND MIDDLE-INCOME COUNTRIES

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STRONG HEARTS: A NOVEL PRIMARY-CARE BASED DIAGNOSIS AND TREATMENT SUPPORT PROGRAM FOR CHAGAS DISEASE IN EAST BOSTON, MA, USA (2017-2023)

Ashley Maldonado[1], Javier Huerta[2], Carly E. Milliren[1], **Helen Mahoney West**[1], Jillian Davis[3], Katherine Collins[1], Jim Gomes[1], Alejandra Salazar[4], Daniel L. Bourque[5], Natasha Hochberg[4], Davidson Hamer[4], Leonard L. Levin[1], Jaime Gallegos Salazar[1], Elizabeth D. Barnett[4], Juan Huanuco[3], Jennifer Manne-Goehler[1], Julia R. Köhler[1]
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BURULI ULCER CASE DETECTION AND DIAGNOSIS IN THE OBOM SUB MUNICIPAL IN GA SOUTH MUNICIPALITY OF THE GREATER ACCRA REGION, GHANA

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University of Ghana, Accra, Ghana

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DENGUE SEVERITY PREDICTION IN A HYPERENDEMIC REGION IN COLOMBIA

Jorge Emilio Salazar Flórez[1], Katerine Marín Velasquez[2], Luz Stella Giraldo Cardona[1], Ángela María Segura Cardona[3], Berta Nelly Restrepo Jaramillo[2], Margarita Arboleda[2]
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ACCIDENTS BY CATERPILLARS IN THE VALLEY OF CARACAS, VENEZUELA: AN OUTBREAK STUDY

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POTENTIAL RISK INCURRED BY HEALTH CARE PROVIDERS ATTENDING TO MALARIA PATIENTS ACROSS KENYA

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EXPLORING ACUTE UNDIFFERENTIATED FEVERS AT A TERTIARY CARE HOSPITAL IN INDIA: ETIOLOGICAL PROFILE, CLINICAL CHARACTERISTICS AND BIOMARKERS

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SUBCUTANEOUS MYCOSES: ENDEMIC BUT NEGLECTED AMONG THE NEGLECTED TROPICAL DISEASES IN ETHIOPIA

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IMPACT OF INTESTINAL PARASITE INFECTION (IPI) ON HUMAN PAPILLOMA VIRUS (HPV) INFECTION AND REPRODUCTIVE HEALTH: EXPLORING ALTERATIONS IN INTESTINAL AND CERVICOVAGINAL (CV) MICROBIOME

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DOES THE RUN-IN PHASE ADD WHEN ASSESSING SAFETY OF TRYPANOCIDAL THERAPIES? THE EXPERIENCE OF THE EQUITY TRIAL

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Helminths – Nematodes – Filariasis (Epidemiology and Modeling)

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BRUGIA IMPACT SURVEY AS AN ALTERNATIVE METHOD FOR LYMPHATIC FILARIASIS TRANSMISSION ASSESSMENT SURVEY IN INDONESIA

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ASSESSMENT OF DISABILITY AND HEALTH-RELATED QUALITY OF LIFE USING WHODAS 2.0 TOOL IN A POPULATION LIVING IN *LOA LOA* ENDEMIC AREAS OF THE REPUBLIC OF CONGO (THE MORLO PROJECT)

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BASELINE EVALUATION OF ONCHOCERCIASIS TRANSMISSION IN FIVE DISTRICTS OF BENIN

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SUBSTANTIAL PROGRESS TOWARDS ENDING LYMPHATIC FILARIASIS AS A PUBLIC HEALTH PROBLEM IN DELTA STATE, NIGERIA

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MIXED TREATMENT STRATEGIES ARE AN EFFECTIVE HEALTH CAMPAIGN TO IMPROVE DRUG COVERAGE FOR RIVER BLINDNESS ELIMINATION IN INSECURE AREAS OF EDO STATE, NIGERIA

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POST-TREATMENT SURVEILLANCE FOR LYMPHATIC FILARIASIS SUPPORTS CESSATION OF TRANSMISSION IN HISTORICALLY CLASSIFIED ENDEMIC FOCI IN THE DOMINICAN REPUBLIC

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COMORBIDITY BETWEEN LYMPHATIC FILARIASIS AND HYPERTENSION & DIABETES: A PROSPECTIVE CASE-COHORT STUDY IN KENYA

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ONCHOCERCIASIS SEROPREVALENCE IN BIÉ PROVINCE, ANGOLA: A CROSS-SECTIONAL SURVEY TO GUIDE EFFORTS TOWARDS ELIMINATION

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HIGH MORTALITY AMONG PERSONS WITH SUSPECTED EPILEPSY: A FOCUS ON ONCHOCERCIASIS-ENDEMIC COUNTIES OF SOUTH SUDAN

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COMPREHENSIVE ASSESSMENT OF ONCHOCERCIASIS TRANSMISSION DYNAMICS AND COMMUNITY PERCEPTIONS: A CASE STUDY IN HYPO-ENDEMIC COMMUNITIES OF OGUN STATE, NIGERIA

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Kinetoplastida and Other Protozoa - Epidemiology (Including *Leishmania* and Trypanosomes)

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AN INVESTIGATION OF MUCOSAL LEISHMANIASIS IN THE MILITARY HEALTH SYSTEM

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GENOTYPING OF *BLASTOCYSTIS* SP. ISOLATES FROM FECAL SAMPLES FROM CHILDREN OF THE EDUCATIONAL INSTITUTION «128 LA LIBERTAD» (SAN JUAN LURIGANCHO), LIMA, PERU

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EPIDEMIOLOGICAL DYNAMICS OF LEISHMANIASIS IN THE SOUSS-MASSA REGION, MOROCCO (2017-2022)

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THE EFFECTS OF ADVERSE ENVIRONMENTAL EXPOSURES ON RISK FOR CONGENITAL CHAGAS TRANSMISSION AND ADVERSE BIRTH OUTCOMES IN SANTA CRUZ, BOLIVIA

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BLASTOCYSTOSIS INFECTIONS AMONG CHILDREN ATTENDING FOUR HOSPITALS IN WESTERN KENYA

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THE GROWING PROBLEM OF LEISHMANIASIS IN TUSCANY, ITALY: INVESTIGATION OF UNDERREPORTED HUMAN CASES AND COMPARISON WITH CANINE INCIDENCE USING A MULTIDISCIPLINARY APPROACH

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UNTANGLING THE LEISHMANIASIS THREAT: A MULTIFACETED ANALYSIS OF TRANSMISSION NETWORKS, ECOLOGICAL FACTORS, AND GEOGRAPHIC IMPLICATIONS IN A LEISHMANIASIS ENDEMIC REGION IN THE EASTERN MEDITERRANEAN

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ASSESSING *TOXOPLASMA GONDII* SEROPREVALENCE AMONG IMMUNOCOMPETENT AND IMMUNOCOMPROMISED INDIVIDUALS LIVING IN PERU: A COMPARATIVE STUDY BETWEEN LIMA AND IQUITOS

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DEFORESTATION, LAND REVERSION, AND *TRYPANOSOMA CRUZI* INFECTION IN DOGS LIVING IN RURAL COMMUNITIES IN CENTRAL PANAMA

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KNOWLEDGE ABOUT CHAGAS DISEASE AMONG HEALTHCARE PROFESSIONALS

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IMPACT OF *BLASTOCYSTIS* SUBTYPES ON POLYPARASITISM IN COLOMBIAN CHILDREN

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IMPACT OF EDUCATIONAL ACTIVITIES AND AN ELECTRONIC MEDICAL RECORD TEMPLATE ON CHAGAS DISEASE SCREENING

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BIBLIOMETRIC META-ANALYSIS OF CHAGAS DISEASE AND EQUITABLE ACCESS TO HEALTH CARE

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CAPACITY-BUILDING IN MOLECULAR SURVEILLANCE OF INFECTIOUS DISEASES: PROGRESS AND ACHIEVEMENTS OF THE INSTITUTE OF RESEARCH IN TROPICAL DISEASES (IET) IN AMAZONAS, PERU

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TSLP UPREGULATES IFN-GAMMA PRODUCTION IN CUTANEOUS LEISHMANIASIS PATIENTS

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(ACMCIP Abstract)

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FOLLICULAR T HELPER (TFH) VERSUS HYBRID TH1/TFH CELLS AND THE OUTCOME B CELL RESPONSE IN *TRYPANOSOMA CRUZI* INFECTION OF SUSCEPTIBLE AND RESISTANT MICE

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GALNAC AND GLCNAC CARBOHYDRATES INCREASE THE PRESENCE AND ACTIVITY OF THE MYELOPEROXIDASE ENZYME DURING *ENTAMOEBA HISTOLYTICA* AND NEUTROPHIL INTERACTIONS, POSSIBLY BY BLOCKING AMEBIC ADHESION

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(ACMCIP Abstract)

Measures for Control and Elimination of Neglected Tropical Diseases (NTDs)

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LACK OF INFORMATION AS A REASON FOR NON-PARTICIPATION IN MASS DRUG ADMINISTRATION TARGETING ONCHOCERCIASIS: A MIXED METHOD STUDY

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EVALUATION OF SOIL-TRANSMITTED HELMINTHIASIS AND SCHISTOSOMIASIS COVERAGE FOLLOWING SIX YEARS OF MASS DRUG ADMINISTRATION IN FIVE NIGERIA STATES

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CHALLENGES IN MEASURING AND DISCUSSING ELIMINATION GOALS: FROM MODELLING TO POLICY

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COVERAGE EVALUATION SURVEY OF LYMPHATIC FILARIASIS RE- MASS DRUG ADMINISTRATION AFTER PRE-TAS FAILURE IN 4 DISTRICTS OF MOZAMBIQUE, 2023

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COMPLETING THE TRACHOMA MAP IN SOUTH SUDAN: RESULTS OF THREE BASELINE PREVALENCE SURVEYS IN EASTERN EQUATORIA STATE, 2023-2024

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ANALYSIS OF THE SITUATION OF LEPROSY CASES IN CHILDREN AGED FROM 5 TO 14 YEARS FROM 2022 TO 2023 IN CONAKRY (GUINEA)

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ADDRESSING "LEAVING NO ONE BEHIND" IN AN NTD PROGRAMMATIC CONTEXT: EXPERIENCE FROM THE DEWORMING INNOVATION FUND

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FACTORS ASSOCIATED WITH PERSISTENT AND RECRUDESCENT ACTIVE TRACHOMA: RESULTS FROM ADAPTIVE COVERAGE EVALUATION SURVEYS IN UGANDA

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DETERMINANTS FOR UPTAKE OF MASS DRUG ADMINISTRATION FOR SCHISTOSOMIASIS CONTROL IN BUTIABA, UGANDA

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FORECASTING OF ONCHOCERCIASIS PREVALENCE IN WEST AFRICA THROUGH TIME SERIES MODELING

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MIND THE GAP: GENDER DIFFERENCES IN PREVENTATIVE TREATMENT OF SEVEN NEGLECTED TROPICAL DISEASES

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TRACHOMA ZONES OF CONCERN: IDENTIFYING AREAS OF TRACHOMA RISK BEFORE AND AFTER ELIMINATION USING NOVEL GEOSPATIAL ANALYSIS

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IMPROVING THE QUALITY OF MASS DRUG ADMINISTRATION IN GHANA USING ELECTRONIC DATA CAPTURE

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OCULAR *CHLAMYDIAL TRACHOMATIS* INFECTION IMMEDIATELY FOLLOWING AN ENHANCED MASS DRUG ADMINISTRATION STRATEGY FOR TRACHOMA IN AMHARA, ETHIOPIA: THE CHILD MDA PILOT STUDY

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ANTIBODY-OMICS REVEALS BIOMARKERS OF SCHISTOSOMIASIS AND CROSS-TALK WITH TUBERCULOSIS

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IMMUNOLOGICAL BIOMARKERS FOR DETECTING SUBCLINICAL LEPROSY INFECTION: CROSS-TALK BETWEEN LID-1 AND PGL-1 IN INDIVIDUAL IMMUNE RESPONSES

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EXPLORING THE IMPACT OF DECENTRALIZATION IN IN THE LEPROSY ENDEMIC REGION OF EASTERN MINAS GERAIS USING GEOSPATIAL AND QPCR TECHNIQUES

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MYCOBACTERIUM LEPRAE AND SCHISTOSOMA MANSONI CO-INFECTION IN COMMUNITIES OF EASTERN MINAS GERAIS, BRAZIL

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MODEL-BASED GEOSTATISTICS TO SELECT SITES FOR MONITORING LYMPHATIC FILARIASIS TRANSMISSION INTERRUPTION FOLLOWING MASS DRUG ADMINISTRATION WITH IVERMECTIN, DIETHYLCARBAMAZINE AND ALBENDAZOLE IN EAST NEW BRITAIN, PAPUA NEW GUINEA

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LONGITUDINAL ANALYSIS OF THE PREVALENCE OF MINOR *PLASMODIUM* SPP. INFECTING HUMANS THROUGH SEQUENTIAL INTERVENTIONS IN NORTHERN GHANA

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OPTIMIZING DRUG DISTRIBUTOR PERFORMANCE IN NEGLECTED TROPICAL DISEASE MASS DRUG ADMINISTRATION PROGRAMS; RESULTS FROM A MULTI-COUNTRY EVALUATION

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ASSESSMENT OF QUALITY OF ONCHOCERCIASIS MASS DRUG ADMINISTRATION, INSIGHTS FROM A COVERAGE SURVEY IN NINE DISTRICTS OF OROMIA REGION, ETHIOPIA

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PRODUCTIVITY RETURNS FROM 10 YEARS OF THE KENYAN NATIONAL SCHOOL BASED DEWORMING PROGRAM

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MORBIDITY MANAGEMENT OF LYMPHATIC FILARIASIS: STRENGTHENING SURGICAL APPROACHES TO FILARIAL HYDROCELES IN KENYA

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FACTORS ASSOCIATED WITH FAILING ASSESSMENTS TO STOP MASS DRUG ADMINISTRATION FOR ONCHOCERCIASIS IN KONTA SPECIAL WOREDA, SOUTHWEST ETHIOPIA PEOPLE'S REGION

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OPTIMIZATION APPROACHES FOR INTEGRATION OF NEGLECTED TROPICAL DISEASES INTO HEALTHCARE SYSTEMS IN KENYA GT; PROCESS NARRATION

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EMPOWERING WOMEN IN BIHAR, INDIA TO ELIMINATE LYMPHATIC FILARIASIS

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STATUS OF LYMPHATIC FILARIASIS TRANSMISSION IN PASTORALIST AREAS OF SOUTH AND SOUTHWEST ETHIOPIA

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OUTCOME OF SNAKEBITE VICTIMS MANAGED BY TRAINED HEALTH ASSISTANTS AT A SNAKEBITE TREATMENT CENTER IN NEPAL

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GENDER AND AGE MODULATING THE HEMATOLOGICAL PROFILES OF LEPROSY PATIENTS: ADISCURSIVE ANALYSIS

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One Health: The Interconnection between People, Animals, Plants and Their Shared Environment

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SPATIOTEMPORAL DISTRIBUTION AND DIVERSITY OF AIRBORNE RESISTANT BACTERIA: AN EXPLORATORY ONE HEALTH STUDY IN THE URBAN AND RURAL ENVIRONMENTS OF BANGLADESH

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FINDINGS FROM A SIMULATION EXERCISE UTILIZING THE ONE HEALTH TRANSBOUNDARY ASSESSMENT FOR PRIORITY ZOONOSES (OHTAPZ) TOOL TO MEASURE HEALTH SECURITY PREPAREDNESS, DETECTION, AND RESPONSE CAPACITIES AT THE JORDAN-IRAQ BORDER

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PHARMACOKINETIC PROPERTIES AND MOSQUITO-LETHAL EFFECTS OF A NOVEL LONG-LASTING FORMULATION OF IVERMECTIN IN CATTLE

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MOLECULAR CHARACTERIZATION AND PHYLOGENETIC ANALYSIS OF BOVINE *FASCIOLOSIS* IN UPPER EAST REGION, GHANA

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POSITIVE ASSOCIATION OF ORAL INFECTION BY *TRICHOMONAS TENAX* WITH PERIODONTITIS IN THE DOMESTIC DOG

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BEHAVIORAL AND BIOLOGICAL SURVEILLANCE OF EMERGING INFECTIOUS DISEASES AT THE HIGH-RISK HUMAN-ANIMAL INTERFACE IN BANGLADESH

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MYCOBACTERIUM AVIUM SUBSP. *PARATUBERCULOSIS* AND MICROBIOME: A ONE HEALTH CONCERN

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ONE HEALTH AWARENESS, INTERPRETATION AND PRIORITIZATION IN THE GAMBIA: A PARTICIPATORY SITUATIONAL ANALYSIS OF NATIONAL STAKEHOLDERS ACROSS GOVERNMENT, ACADEMIA AND CIVIL SOCIETY

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BRUCELLOSIS SEROPREVALENCE AND RISK FACTORS AMONG HIGH-RISK GROUPS AT TWO URBAN SITES IN KENYA

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THE HIGHEST MPOX OUTBREAK EVER REPORTED IN CAMEROON; THE CASE OF MBONGE HEALTH DISTRICT OF THE SOUTH WEST REGION: A CROSS SECTIONAL ANALYTICAL STUDY, JUNE 2023

Keka Fredrick Chi[1], Agwe S. Mbah[1], Eko F. Eko[1], Daonyle V. Ndassi[1], Linda E.[2], Priscilla Anya[2], Georges E. Mballa[2], Moctar M. Mouiche[3], Patricia Mendjime[2]
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SURVEILLANCE AND HOME RANGE ANALYSIS OF OLIVE BABOONS TO INFORM PROGRAMMATIC DECISIONS FOR GUINEA WORM ERADICATION IN GAMBELLA, ETHIOPIA

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(UN)SUSTAINABLE SCIENCE: ENVIRONMENTAL FOOTPRINT OF RESEARCH, CLINICAL MICROBIOLOGY AND VETERINARY LABORATORIES LOCALLY AND GLOBALLY

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AVIAN VACCINATION VIA RECOMBINANT *LACTOBACILLUS*-BOUND BIRDSEED TO CURB THE SPREAD OF WEST NILE VIRUS

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THE FINANCIAL IMPACT OF LIVESTOCK SCHISTOSOMIASIS AND UNDERSTANDING THE IMPORTANCE OF POLICY BUY-IN ON INTERVENTION SUCCESS

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Pneumonia, Respiratory Infections and Tuberculosis

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COMPARATIVE ANALYSIS OF STEROID-RDV COMBINATION THERAPY VERSUS STEROIDS ALONE IN HOSPITALIZED COVID-19 PATIENTS: A SARS-COV-2 VIRAL LOAD DYNAMICS STUDY

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MULTIPLE VIRAL COINFECTIONS IN TUBERCULOSIS PATIENTS IN BAMAKO, MALI

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EFFECT OF PRIOR ANTIBIOTICS USE ON BLOOD CULTURE POSITIVITY IN CHILDREN UNDER 5 YEARS WITH SUSPECTED INVASIVE PNEUMOCOCCAL DISEASES IN RURAL GAMBIA

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RAPID IDENTIFICATION OF NON-TUBERCULOUS MYCOBACTERIAL SPECIES USING FLUOROCYCLER® XT IN SUSPECTED PATIENTS IN BAMAKO, MALI

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EVALUATION OF TRENDS IN PNEUMOCOCCAL ANTIBIOTIC RESISTANCE IN INVASIVE PNEUMOCOCCAL DISEASES IN RURAL GAMBIA

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COMMUNITY PERCEPTION AND IMPACT OF A MOBILE VAN FOR POST-MORTEM SAMPLE COLLECTION IN KARACHI, PAKISTAN: CHILD HEALTH AND MORTALITY PREVENTION SURVEILLANCE (CHAMPS)

Saima Jamal[1], Nazia Ahsan[1], Fauzia Malik[2], Farah Jabeen[1], Sameer Belgaumi[2], Hannah Melchinger[1], Tehreem Maqsood[1], Abdul Momin Kazi[1], Saad Be Omer[2]

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HOW CROSS-BORDER COLLABORATION BETWEEN CAMEROON AND GABON ENHANCED PROMPT RESPONSE TO A DIPHTERIA OUTBREAK, DECEMBER 2023

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COMPARATIVE MORTALITY ANALYSIS: ERADICATION VS PERSISTENCE OF PSEUDOMONAS INFECTIONS

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DRIVERS OF COMMON MENTAL HEALTH DISORDERS AMONG TUBERCULOSIS KEY VULNERABLE POPULATIONS IN ASHANTI REGION GHANA

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CARDIOVASCULAR DISEASES ASSOCIATED WITH INFLUENZA INFECTION: SYSTEMATIC REVIEW AND META-ANALYSIS

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MATERNAL SARS-COV-2 INFECTION, VACCINATION, AND INFANT STUNTING IN UGANDA

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DISENTANGLING THE SEROCONVERSION AND SEROREVERSION RATES OF SEASONAL CORONAVIRUSES USING AGE-STRATIFIED SEROPREVALENCE DATA

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PREDICTING TUBERCULOSIS TREATMENT RELAPSE USING STATISTICAL DATA MINING TOOLS. A CASE STUDY OF CAPE COAST TEACHING HOSPITAL, GHANA

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TIERED MULTIPLEX PCR DETECTION OF RESPIRATORY PATHOGENS IN CAMBODIA'S SEVERE ACUTE RESPIRATORY INFECTION SENTINEL SURVEILLANCE SYSTEM, MAY-DECEMBER 2023

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SUPPORTING INNOVATION IN PNEUMONIA DIAGNOSIS - KEY FINDINGS FROM A RANGE OF STUDIES EVALUATING RESPIRATORY RATE COUNTERS AND PULSE OXIMETERS IN SUB-SAHARAN AFRICA AND ASIA

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DESIGN AND VALIDATION OF MULTIPLEXED RESPIRATORY RT-LAMP ASSAYS FOR THE DETECTION OF SARS-COV-2, INFLUENZA A AND RESPIRATORY SYNCYTIAL VIRUS (RSV) IN COVID-19 PANDEMIC SAMPLES FROM WESTERN KENYA

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Schistosomiasis and Other Trematodes – Diagnostics and Treatment

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SENSITIVITY OF CLUSTER, PRACTICAL AND SENTINEL IMPACT ASSESSMENT METHODOLOGIES FOR ADJUSTING PREVENTIVE CHEMOTHERAPY FOR SCHISTOSOMIASIS ELIMINATION IN NIGERIA

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RAPID VISUAL DETECTION OF *S. HAEMATOBIUM* USING RECOMBINASE POLYMERASE AMPLIFICATION FROM SERIALLY DILUTED AND FIELD-COLLECTED HUMAN URINE SAMPLES

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USING HUMAN-CENTERED DESIGN TO SUPPORT DEVELOPMENT AND IMPROVEMENT OF A MOBILE ENABLED DIAGNOSTICS FOR SCHISTOSOMIASIS CONTROL ANALYTICS (MEDSCAN) SOFTWARE FOR SCHISTOSOMIASIS DIAGNOSIS IN WESTERN KENYA

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EXPLORING THE *PARAGOMINUS KELLICOTTI* LIFE CYCLE PROTEOME: IMPLICATIONS FOR THE DISCOVERY OF NEW DIAGNOSTIC TARGETS

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MULTI-CONTRAST MACHINE LEARNING IMPROVES SCHISTOSOMIASIS DIAGNOSTIC PERFORMANCE

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MAPPING RISKS FOR FEMALE GENITAL SCHISTOSOMIASIS IN URBAN SETTINGS TO GUIDE PUBLIC HEALTH INTERVENTIONS

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INTEGRATIVE METABOLOMIC APPROACHES REVEAL TYROSINE METABOLISM AS A POTENTIAL BIOMARKER FOR EARLY *SCHISTOSOMA MANSONI* INFECTION IN CHILDREN LIVING IN POLYPARASITISM SETTINGS IN CAMEROON

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ADVANCEMENTS IN SCHISTOSOMIASIS DIAGNOSIS: IS RECOMBINANT ANTIBODY POC-CCA MORE RELIABLE?

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THE SHORT-TERM IMPACT OF *SCHISTOSOMA MANSONI* INFECTION ON HEALTH-RELATED QUALITY OF LIFE: IMPLICATIONS FOR CURRENT ELIMINATION POLICIES

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IDENTIFICATION OF SCHISTOSOMICIDAL COMPOUNDS FROM *BALANITES AEGYPTIACA*

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REAL-TIME PCR ASSAY FOR DETECTION OF *PARAGONIMUS KELLICOTTI* IN HUMAN STOOL

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UNDERSTANDING INFECTION VERSUS TRANSMISSION DYNAMICS OF *SCHISTOSOMA MANSONI* PRE- AND POST-TREATMENT, AND THE RELATIONSHIP BETWEEN EGG, ANTIGEN AND DNA BASED DIAGNOSTICS

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COMMUNITY AWARENESS OF FEMALE GENITAL SCHISTOSOMIASIS AND MASS DRUG ADMINISTRATION PARTICIPATION IN THE ABOBO DISTRICT, ETHIOPIA - FINDINGS FROM THE FAST PACKAGE PILOT PROJECT

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Schistosomiasis and Other Trematodes – Epidemiology and Control

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MOVING FROM DISTRICT TO SUB-DISTRICT SCHISTOSOMIASIS IMPLEMENTATION IN SENEGAL: TIME TO CHANGE AND ADAPT STRATEGIES

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PREDICTORS OF SCHISTOSOMIASIS JAPONICUM INFECTION RISK IN SICHUAN, CHINA

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MORPHOMETRIC TRAITS OF FASCIOLA HEPATICA'S INTERMEDIATE HOSTS IN AREAS WITH HUMAN AND ANIMAL FASCIOLIASIS AND STUDY OF PHYSICOCHEMICAL PROPERTIES OF ITS WATER SOURCES

César A. Murga-Moreno[1], **Cristian Hobán**[1], Jhover Diaz[1], David Ruiz-Perez[1], Fabiano Cruzado-Chávez[1], Dayana M. Terrones-Cerna[1], Sandra Quispe[1], Alejandra Hoyos[1], Ana M. Fernández-Sánchez[1], Miguel M. Cabada[2], Pedro Ortiz[1]
[1]Universidad Nacional de Cajamarca, Cajamarca, Peru, [2]University of Texas Medical Branch, Galveston, TX, United States

7535

COMPARING STOOL PCR, RECOMBINASE POLYMERASE AMPLIFICATION, AND MICROSCOPY TO DETECT *FASCIOLA HEPATICA* INFECTION IN THE RABBIT MODEL

CAROL ALEXANDRA CASTRO[1], Martha Vanessa Fernandez- Baca[1], Rodrigo Alejandro ore[1], Cristian Hobán[2], Pedro Ortiz[2], Makedonka Mitreva[3], Young-Jun Choi[4], Miguel M. Cabada[5]
[1]Sede Cusco - Instituto de Medicina Tropical Alexander von Humboldt - UPCH, Cusco, Peru, [2]Facultad de Ciencias Veterinarias, Universidad Nacional de Cajamarca, Cajamarca, Peru., Cajamarca, Peru, [3]McDonell Genome Institute, Washington University, Washington USA., Washington, WA, United States, [4]Departament of Medicine Division of Infectious Diseases,Washington University School of Medicine, Washington USA., Washington, WA, United States, [5]Infectious Diseases Division, Internal Medicine Department, University of Texas Medical Branch, Galveston Texas USA., Galveston, TX, United States

7536

DETECTION OF FASCIOLA HEPATICA DNA IN DIFFERENT SPECIMENS USING A MINIPCR THERMOCYCLER AND LED LIGHT HANDHELD VIEWER

Martha Vanessa Fernandez-Baca[1], Alejandro Castellanos-Gonzalez[2], Maria Luisa Morales[1], Melinda B. Tanabe[2], Pedro Ortiz[3], A. Clinton White[2], Miguel M. Cabada[2]
[1]Universidad Peruana Cayetano Heredia, Cusco, Peru, [2]University of Texas Medical Branch, Galveston, TX, United States, [3]Universidad Nacional de Cajamarca, Cajamarca, Peru

7537

PRE- AND POST-PRAZIQUANTEL TREATMENT ASSOCIATIONS OF *SCHISTOSOMA MANSONI* INFECTION WITH LATENT TUBERCULOSIS AND IMMUNE RESPONSES IN TANZANIA

Khanh Pham[1], Enock Miyaye[1], Daniëlle de Jong[2], Govert van Dam[2], Paul L.A.M. Corstjens[2], Humphrey Mazigo[3], Hyasinta Jaka[3], Jennifer A. Downs[1]
[1]Weill Cornell Medicine, New York, NY, United States, [2]Leiden University Medical Center, Leiden, Netherlands, [3]Catholic University of Health and Allied Sciences, Mwanza, United Republic of Tanzania

7538

THE COLONIAL IMPACT ON SCHISTOSOMIASIS RESEARCH, PRESENT DAY INEQUALITIES AND MOVING TOWARDS AN EQUITABLE RESEARCH ENVIRONMENT

Raheema Chunara, Teteh Champion
School of Biodiversity, One Health & Veterinary Medicine, University of Glasgow, Glasgow, United Kingdom

7539

QUANTIFYING CHANGES IN THE FORCE OF INFECTION OVER 20 YEARS OF MASS DRUG ADMINISTRATION FOR *SCHISTOSOMA MANSONI*

Jessica Clark[1], Christina L. Faust[1], Mafalda Viana[1], Jason Mattiopoulos[1], Moses Adriko[2], Arinaitwe Moses[2], Edridah M. Tukahebwa[2], Narcis B. Kabatereine[3], Michelle Clements[3], Charlotte M. Gower[4], Thomas Crellen[1], Diana Ajambo[2], Andrina Nankasi[2], Candice Rowel[2], Aidah Wamboko[2], David W. Oguttu[5], Fred Besigye[2], Rachel Francoeur[6], Lauren V. Carruthers[1], Alan Fenwick[3], Joanne P. Webster[7], Joaquin M. Prada[8], Poppy H. L. Lamberton[1]
[1]University of Glasgow, Glasgow, United Kingdom, [2]Ministry of Health, Vector Control Division, Kampala, Uganda, [3]Unlimit Health, London, United Kingdom, [4]Centre for Emerging, Endemic and Exotic Diseases, Pathobiology and Population Sciences, Royal Veterinary College, University of London, London, United Kingdom, [5]Ministry of Health, Vector Control Divison, kampala, Uganda, [6]University of Chester, Chester, United Kingdom, [7]4. Centre for Emerging, Endemic and Exotic Diseases, Pathobiology and Population Sciences, Royal Veterinary College, University of London, London, United Kingdom, [8]University of Surrey, Surrey, United Kingdom

7540

ASSOCIATIONS BETWEEN *SCHISTOSOMA MANSONI* INTENSITY, C-REACTIVE PROTEIN (CRP), AND STUNTING AMONG PRESCHOOL-AGED CHILDREN IN UGANDA

Susannah Colt[1], Andrew Edielu[2], Emily L. Webb[3], Hannah W. Wu[1], Patrice A. Mawa[2], Racheal Nakyesige[4], Jennifer F. Friedman[1], Amaya L. Bustinduy[3]
[1]Rhode Island Hospital, Providence, RI, United States, [2]London School of Hygiene & Tropical Medicine Uganda Research Unit, Entebbe, Uganda, [3]London School of Hygiene & Tropical Medicine, London, United Kingdom, [4]Uganda Virus Research Institute, Entebbe, Uganda

7541

MORBIDITY IN PRE-SCHOOL-AGED CHILDREN AND ADULTS IN A *SCHISTOSOMA MANSONI* ENDEMIC COMMUNITY OF LAKE VICTORIA, UGANDA

Rivka May Lim[1], Ruhi Lahoti[1], Amy B. Pedersen[1], Moses Arinaitwe[2], Victor Anguajibi[3], Andrina Nankasi[2], Fred Besigye[2], Joanne P. Webster[4], Poppy HL Lamberton[5]
[1]University of Edinburgh, Edinburgh, United Kingdom, [2]Vector borne and neglected tropical diseases control division, Ministry of Health, Kampala, Uganda, [3]China Friendship Hospital, Kampala, United Kingdom, [4]Royal Veterinary College, Hatfield, United Kingdom, [5]University of Glasgow, Glasgow, United Kingdom

Water, Sanitation, Hygiene and Environmental Health

7542

EFFECTS OF COMMUNITY-LED TOTAL SANITATION ON IMPROVING HYGIENE AND SANITATION IN 3 VILLAGES OF THE EAST REGION, CAMEROON, APRIL - SEPTEMBER 2023

Marius Soho Njenkam[1], Guy Valérie Djumyom Wafo[2], Ange Mague Ymele Takendong[3], Alexis Ngouana Tchinda[1], Winnie Amanda Zouong Nkomba[1], Placide Ankone[1], Flore Balana Esiene[4], Belle Bayong[4], Pricille Anya[4], Gaston Etoundi Mballa[4]
[1]Regional Delegation of Public Health of the East Region, Bertoua, Cameroon, [2]University of Dschang, Ministry of Higher Education, Dschang, Cameroon, [3]Municipality of Fokoué, Dschang, Cameroon, [4]Department for the Fight against Epidemics and Pandemic, Ministry of Public Health, Yaounde, Cameroon

7543

HOLISTIC APPROACHES TO WATERBORNE URINARY TRACT INFECTIONS

Hanna Noel Brosky[1], Jill Stewart[1], Valeria Ochoa Herrera[2]
[1]University of North Carolina, Chapel Hill, NC, United States, [2]Universidad San Francisco de Quito, Quito, Ecuador

7544

SPATIAL DISTRIBUTIONS & DIVERSITY OF ENTERIC PATHOGENS IN PUBLIC ENVIRONMENT IN LOW-AND MIDDLE-INCOME NEIGHBORHOODS IN NAIROBI, KENYA

Fanta D. Gutema[1], Bonphace Okoth[2], John Denge[2], Christine Sharon[2], Sheillah Simiyu[2], Blessing Mberu[2], Daniel Sewell[1], Kelly K. Baker[1]
[1]University of Iowa, Iowa city, IA, United States, [2]African Population and Health Research Center, Nairobi, Kenya

7545

MENTAL AND ENVIRONMENTAL HEALTH IN URBAN SALVADOR, BRAZIL: LINKS AND OPPORTUNITIES

Andre Okoye[1], Rashad Parmer[1], Fabiana Almerinda G. Palma[2], Murilo Guerreiro Arouca[2], Federico Costa[2], Amanda K. Gilmore[1], Claire A. Spears[1], **Christine E. Stauber**[1]
[1]Georgia State University, Atlanta, GA, United States, [2]Federal University of Bahia, Salvador, Brazil

7546

ACCEPTABILITY, USAGE AND SATISFACTION OF CHLORINE FOR WATER TREATMENT AFTER DOOR-TO-DOOR MASS DISTRIBUTION IN DISPLACED POPULATION OF CABO DELGADO PROVINCE, MOZAMBIQUE

Santinha Juma[1], Mariana Pimenta[2], James Waringa[3], Nelson Sequiao[3], David Prieto[3], **Sergio Lopes**[2], Xavier Badia-Rius[2]
[1]Direcção Provincial de Saúde, Pemba, Mozambique, [2]The MENTOR Initiative, Haywards Heath, United Kingdom, [3]The MENTOR Initiative, Pemba, Mozambique

7547

EVALUATING FECAL SLUDGE TREATMENT TECHNOLOGIES IN HUMANITARIAN CONTEXT: A COMPREHENSIVE STUDY IN COX'S BAZAR, BANGLADESH

Mohammad Rafiqul Islam[1], Mohammad Atique Ul Alam[1], Md. Sakib Hossain[1], M. Moniruzzaman[2], Md. Hajbiur Rahman[1], Faisal Chowdhury Galib[1], Md. Shafiqul Islam[1], **Zahid Hayat Mahmud**[1]
[1]icddr,b, Dhaka, Bangladesh, [2]University of Manitoba, Winnipeg, MB, Canada

7548

EFFECT OF AN ONSITE SHARED SANITATION INTERVENTION ON MARKERS OF ENVIRONMENTAL ENTERIC DYSFUNCTION IN CHILDREN LIVING IN MAPUTO, MOZAMBIQUE

Jackie Knee[1], Trent Sumner[2], Zaida Adriano[3], Claire Anderson[4], Judite Monteiro Braga[5], Drew Capone[6], Veronica Casmo[5], David Holcomb[7], Evgeniya Molotkova[8], Celina Russo[2], Winne Zambrana[4], Rassul Nalá[5], Oliver Cumming[1], Joe Brown[7]
[1]London School of Hygiene & Tropical Medicine, London, United Kingdom, [2]Georgia Institute of Technology, Atlanta, GA, United States, [3]We Consult, Maputo, Mozambique, [4]Stanford University, Stanford, CA, United States, [5]Instituto Nacional de Saúde de Moçambique, Maputo, Mozambique, [6]Indiana University Bloomington, Bloomington, IN, United States, [7]University of North Carolina at Chapel Hill, Chapel Hill, NC, United States, [8]Virginia Tech, Roanoke, VA, United States

7549

RISK FACTORS FOR CHILDHOOD DIARRHEAL DISEASES IN PERI-URBAN AREAS OF OUAGADOUGOU, BURKINA FASO: A HOUSEHOLD SURVEY

Denise Hien[1], Alimatou Hema[1], Jean Sawadogo[1], Ben Idriss Soulama[1], Alphonse Ouédraogo[1], Alfred Bewendtaoré Tiono[1], Sophie Houard[2], Sodiomon Bienvenu Sirima[1]
[1]Groupe de Recherche Action en Santé, Ouagadougou, Burkina Faso, [2]European Vaccine Initiative, Heidelberg, Germany

7550

NOROVIRUS INFECTION RISKS ASSOCIATED WITH CONSUMPTION OF CONTAMINATED TOMATOES - AN APPLICATION OF A NOVEL QMRA-IDT MODEL

Julia S. Sobolik, Elizabeth T. Sajewski, Ben A. Lopman, Juan S. Leon
Emory University, Atlanta, GA, United States

7551

PREVALENCE OF ANTIMICROBIAL RESISTANT ENTEROBACTERIA'S IN A COMMUNITY AND IN THE ENVIRONMENT IN SALVADOR, BRAZIL

Davi V R S Eloy, Lee S A Andrade, Hálica R S Borges, João R P C Filho, Luciano K. Silva, Ronald E. Blaton, Mitermayer G. Reis
Oswaldo Cruz Foundation, Salvador, Brazil

7552

PIPED WATER INTERMITTENCY AND ITS IMPACT ON WATER QUALITY AT POINT OF USE

Andrea Sosa-Moreno[1], Gwenyth O. Lee[2], Josefina Coloma[3], Gabriel Trueba[4], William Cevallos[5], Karen Levy[6], Joseph NS. Eisenberg[1]
[1]University of Michigan, Ann Arbor, MI, United States, [2]Rutgers University, New Brunswick, NJ, United States, [3]University of California, Berkeley, CA, United States, [4]Universidad San Francisco de Quito, Quito, Ecuador, [5]Universidad Central del Ecuador, Quito, Ecuador, [6]University of Washington, Seattle, WA, United States

7553

IMPROVEMENT AND DISPARITY IN WASH IN GHANA: COMPARATIVE ANALYSIS OF 2014 AND 2022 GHANA DEMOGRAPHIC AND HEALTH SURVEY DATA

Kofi Agyabeng[1], Delia A. B Bandoh[2], Yakubu Alhassan[1], Morrison Asiamah[1], Duah Dwomoh[1]
[1]University of Ghana School of Public Health, Accra, Ghana, [2]University of Ghana School of Public Health, ACCRA, Ghana

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MOLECULAR DIAGNOSTICS OF PARASITES IN DIFFERENT ENVIRONMENTS AND CLIMATES THROUGHOUT LATIN AMERICA

Rojelio Mejia[1], Athos Silva de Oliveira[1], Maria Jose Villar[1], Irene Guadalupe[2], Liliana E. Villanueva-Lizama[3], Melisa Díaz Fernández[4], Elvia Nieves[4], Cristina Almazan[4], Dharliton Gomes Soares[5], Chiara C O Amorim[5], Eric Wetzel[6], Julio V. Cruz-Chan[3], Alejandro Krolewiecki[4], Ruben Cimino[4], Stefan M. Geiger[5], Ricardo T. Fujiwara[5], Carlos Pineda[7], Philip J. Cooper[8]
[1]Baylor College of Medicine, Houston, TX, United States, [2]IESS Hospital, Puyo, Ecuador, [3]Universidad Autónoma de Yucatán, Mérida, Mexico, [4]Universidad Nacional de Salta, Salta, Argentina, [5]Universidade Federal de Minas Gerais, Belo Horizonte, Brazil, [6]Wabash College, Crawfordsville, IN, United States, [7]Universidad Nacional Hermilio Valdizán, Huánuco, Peru, [8]Universidad Internacional del Ecuador, Quito, Ecuador

7555

PREVALENCE OF INTESTINAL PARASITIC INFECTION IN PEOPLE FROM MARGINALIZED COMMUNITIES IN MEXICO CITY AND THE STATE OF PUEBLA, MEXICO

Maria de Lourdes Caballero-Garcia[1], Constanza Diaz Escobar-Orozco[2], Maria del Pilar Crisostomo-Vazquez[1], Mariana Soria-Guerrero[1], Leticia Eligio-Garcia[1], Fortino Solorzano-Santos[1]
[1]Children's Hospital of Mexico Federico Gomez, México, Mexico, [2]Simon Bolivar University, México, Mexico

LIVE STREAMING EDU-CATION CONTENT

Symposium 76

The Power of Partnership: Spotlight on Philanthropy

Convention Center - Hall I-2 (1st Floor)
Friday, November 15, 12:15 p.m. - 1:30 p.m.

Join us for a dynamic panel discussion on the transformative power of partnership and philanthropy in advancing global health research. This session will explore how strategic collaborations between philanthropic organizations and scientific communities are driving innovative solutions to pressing health challenges worldwide. Panelists from leading philanthropic entities will share insights into their unique approaches, highlighting how their support intersects with and amplifies global health research efforts. Discover how these alliances are fostering breakthroughs, accelerating progress, advancing health equity, and ultimately saving and improving lives.

CHAIR

Jamie Bay Nishi
American Society of Tropical Medicine and Hygiene, Arlington, VA, United States

Kristy Murray
Emory University, Atlanta, GA, United States

12:15 p.m.
INTRODUCTION

12:25 p.m.
WELCOME, INTRODUCTIONS AND OVERVIEWS HOW EACH ORGANIZATION CONNECTS TO GLOBAL HEALTH

Jamie Bay Nishi
American Society of Tropical Medicine and Hygiene, Arlington, VA, United States

12:50 p.m.
FACILITATED Q&A WITH THE PANEL

Kristy Murray
Emory University, Atlanta, GA, United States

PANELISTS

Alex Bowles
GiveWell, San Francisco, CA, United States

Osamu Kunii
GHIT Fund, Tokyo, Japan

Victoria P. McGovern
Burroughs Wellcome Fund, Research Triangle Park, NC, United States

Jagmeet Sra
Wellcome Trust, London, United Kingdom

Estee Torok
Bill & Melinda Gates Foundation, London, United Kingdom

1:15 p.m.
OPEN Q&A AND WRAP UP

Kristy Murray
Emory University, Atlanta, GA, United States

Late-Breaker Abstract Session 77

Late-Breakers in Clinical and Applied Sciences

Convention Center - Room 383/384/385 (3rd Floor)
Friday, November 15, 12:15 p.m. - 1:30 p.m.

This session is specifically designed for brief presentations of new data obtained after the closing date for abstract submission. See the Meeting App or Late-Breaker Abstract Presentation Schedule booklet (available online) for the presentation schedule.

CHAIR

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

Paige Waterman
WRAIR, Bethesda, MD, United States

Meet the Professors Session 78

Meet the Professors: Tropical Dermatology: Skin Manifestations and Envenomation

Convention Center - Room 388/389 (3rd Floor)
Friday, November 15, 12:15 p.m. - 1:30 p.m.

Meet the Professors sessions are valuable learning experiences for trainees and practicing clinicians to hear about clinical reasoning from leaders in the field. In this session, Dr. Nnedu will be presenting clinical cases with important skin findings, and Dr. Sharma, ACCTMTH LMIC Clinician Travel Award recipient, will present cases associated with envenomation.

SESSION ORGANIZER

Daniel Leung
University of Utah, Salt Lake City, UT, United States

SESSION CHAIR

Rachel Martin-Blais
Nationwide Children's Hospital, Columbus, OH, United States

PRESENTATION #1

Obinna Nnaemeka Nnedu
Infectious Diseases, Ochsner Clinic Foundation, New Orleans, LA, United States

PRESENTATION #2

Sanjib Kumar Sharma
B.P. Koirala Institute of Health Sciences, Dharan, Nepal

CTropMed Exam Committee Meeting

Hilton - Ascot (3rd Floor)
Friday, November 15, 12:15 p.m. - 1:30 p.m.

LIVE STREAMING EDU-CATION CONTENT

Symposium 79

President's Symposium Expanding Pathways to Global Health: Opportunity, Collaboration and Education

Convention Center - Hall I-2 (1st Floor)
Friday, November 15, 1:45 p.m. - 3:30 p.m.

Global health educational opportunities for clinicians, scientists and those interested in public health sit within a handful of geographies and relatively small subset of institutions that are the envy of the world. Compounding this are funding shortages to universities and increasing costs of medical and advanced scientific education. How do we ensure we are removing barriers and fostering opportunities for the next generation of scientists, clinicians, public health and policymakers advancing the field of global health? How do we broaden access to education and ensure opportunities to introduce individuals to global health. During this session we will hear from thought leaders on the opportunities and challenges ahead and ASTMH President Dr. Linnie Golightly will facilitate a dialogue to solicit input from people in our community writ large, along with a distinguished panel to better plan how to expand build the global health pathway for professionals going forward.

CHAIR

Linnie Golightly
Weill Cornell Medicine, New York, NY, United States

1:50 p.m.
WELCOME AND INTRODUCTION

Linnie Golightly
Weill Cornell Medical College, New York, NY, United States

2 p.m.
MODERATOR: PANEL DISCUSSION

Linnie Golightly
Weill Cornell Medical College, New York, NY, United States

PANELISTS

Gordon A. Awandare
Biochemistry Cell and Molecular Biology, University of Ghana, Legon, Ghana

Virginia Caine
President, National Medical Association and Indiana University School of Medicine, Indianapolis, IN, United States

Michellene Davis
President and CEO, National Medical Fellowships, Alexandria, VA, United States

Thomas LaVeist
Tulane University, New Orleans, LA, United States

David Walton
President's Malaria Initiative, Washington, DC, United States

2:35 p.m.
MODERATOR: FACILITATED Q&A

Linnie Golightly
Weill Cornell Medical College, New York, NY, United States

3:05 p.m.
MODERATOR: OPEN Q&A

Linnie Golightly
Weill Cornell Medical College, New York, NY, United States

3:25 p.m.
WRAP-UP AND CONCLUSIONS

Linnie Golightly
Weill Cornell Medical College, New York, NY, United States

Scientific Session 80

Ectoparasite-Borne Diseases I

Convention Center - Room 343/344 (3rd Floor)
Friday, November 15, 1:45 p.m. - 3:30 p.m.

This session does not carry CME credit.

#InfectiousDisease #EmergingDiseaseThreats #Diagnostics #Pathogenesis

CHAIR

Jessica Crooker
SUNY Upstate Medical University, Syracuse, NY, United States

Meghan Hermance
University of South Alabama, Mobile, AL, United States

1:45 p.m. **7556**

COINFECTION OF POWASSAN VIRUS AND *BORRELIA BURGDORFERI* IN A C3H MOUSE MODEL

Jessica Crooker, Dakota Paine, Saravanan Thangamani
SUNY Upstate Medical University, Syracuse, NY, United States

2 p.m. **7557**

HOST-SPECIFIC ADAPTATION OF POWASSAN VIRUS TO *AMBLYOMMA AMERICANUM*: ROLE OF PRM IN TICK-SPECIFIC VIRAL FITNESS

Rachel E. Lange[1], Alan P. Dupuis[2], Melissa A. Prusinski[3], Alexander T. Ciota[2]
[1]University at Albany School of Public Health, Albany, NY, United States, [2]The Arbovirus Laboratory, Wadsworth Center, New York State Department of Health, Slingerlands, NY, United States, [3]New York State Department of Health, Bureau of Communicable Disease Control, Vector Ecology Laboratory, Albany, NY, United States

2:15 p.m. **7558**

FIRST EVIDENCE OF NON-VIREMIC TRANSMISSION OF POWASSAN VIRUS BETWEEN CO-FEEDING TICKS

Clemence Obellianne, Parker D. Norman, Eliane Esteves, Meghan E. Hermance
University of South Alabama, Mobile, AL, United States

2:30 p.m. **7559**

DEFINING THE KINETICS OF SFTSV ACQUISITION AND DISSEMINATION WITHIN FEEDING *HAEMAPHYSALIS LONGICORNIS* NYMPHS

Eliane Esteves, Bailey Hettinger, Ahmed Garba, Clemence Obellianne, Meghan Hermance
University of South Alabama, Mobile, AL, United States

2:45 p.m. **7560**

NOVEL HYBRID ELISA AS A SINGLE-TIER TEST FOR LYME DISEASE

Nadya Karaseva[1], Drew Miller[1], Hunter Kellogg[1], Gary P. Wormser[2], Elizabeth J. Horn[3], **Andrew E. Levin**[1]
[1]Kephera Diagnostics, LLC, Framingham, MA, United States, [2]New York Medical College, Valhalla, NY, United States, [3]Lyme Disease Biobank, Portola Valley, CA, United States

3 p.m. **7561**

ANTIBODIES CONTRIBUTE TO VACCINE-CONFERRED PROTECTION AGAINST FATAL RICKETTSIOSES IN MICE

Rong Fang[1], Loka Reddy Velatooru[1], David Walker[1], Ulrike Munderloh[2], Shahid Karim[3], Carsen Roach[1]
[1]utmb, Galveston, TX, United States, [2]University of Minnesota, St. Paul, MN, United States, [3]University of Southern Mississippi, Hattiesburg, MS, United States

3:15 p.m. **7562**

CAPPABLE-SEQ ENABLES ENRICHMENT AND GENOMIC SEQUENCING OF RNA VIRUSES FROM THE DEER TICK *IXODES SCAPULARIS*

Amit Sinha, Zhiru Li, Cécile Hugel, Clotilde KS Carlow
New England Biolabs Inc., Ipswich, MA, United States

Scientific Session 81

Bacteriology: Cholera

Convention Center - Room 345 (3rd Floor)
Friday, November 15, 1:45 p.m. - 3:30 p.m.

#InfectiousDisease #Vaccinology #PopulationSurveillance #Epidemiology #Diagnostics

CHAIR

Christine Marie George
Johns Hopkins Bloomberg School of Public Health, Baltimore, MD, United States

Amanda Tiffany
Centers for Disease Control and Prevention, Atlanta, GA

1:45 p.m. 7563

A DECADE OF CHOLERA BURDEN IN AFRICA, A SPATIAL STATISTICAL ANALYSIS FROM 2011-2020

Qulu Zheng[1], Javier Perez-Saez[1], Joshua Kaminsky[1], Kaiyue Zou[1], Christina Alam[1], Maya Demby[1], Rachel DePencier[2], Justin Lessler[3], Abhirup Datta[4], Andrew S. Azman[1], Elizabeth C. Lee[1]
[1]Department of Epidemiology, Johns Hopkins Bloomberg School of Public Health, Baltimore, MD, United States, [2]Johns Hopkins University School of Nursing, Baltimore, MD, United States, [3]Department of Epidemiology, Gillings School of Global Public Health, University of North Carolina at Chapel Hill, Chapel Hill, NC, United States, [4]Department of Biostatistics, Johns Hopkins Bloomberg School of Public Health, Baltimore, MD, United States

2 p.m. 7564

A 4-YEAR STUDY OF THE CLINICAL AND ENVIRONMENTAL EPIDEMIOLOGY OF *VIBRIO CHOLERAE* AND HOUSEHOLD TRANSMISSION DYNAMICS IN URBAN DEMOCRATIC REPUBLIC OF THE CONGO: PICHA7 PROGRAM

Christine Marie George[1], Presence Sanvura[2], Jean-Claude Bisimwa[2], Kelly Endres[1], Alves Namunesha[2], Willy Felicien[2], Jamie Perin[1], David Sack[1], Camille Williams[1], Feza Rugusha[2], Ghislain Maheshe[3], Cirhuza Cikomola[2], Lucien Bisimwa[2], Alain Mwishingo[2]
[1]Johns Hopkins School of Public Health, Baltimore, MD, United States, [2]Université Catholique de Bukavu, Bukavu, Democratic Republic of the Congo, [3]Faculty of Medicine, Catholic University of Bukavu, Bukavu, Democratic Republic of the Congo

2:15 p.m. 7565

ENHANCING CHOLERA SURVEILLANCE IN NEPAL: FINDINGS FROM CHOLERA OUTBREAK IN KATHMANDU VALLEY, 2022

Yubin Lee[1], Daniel Chulwoo Rhee[1], Krishna Prasad Paudel[2], Abhiyan Gautam[3], Runa Jha[4], Jyoti Acharya[4], Deepak Bajracharya[5], Kshitij Karki[5], Bisekha Jaiswal[5], Rakchya Amatya[5], Rakesh Yadav[1], Manoj Kumar Mahato[1], Haeun Cho[1], Jaewoong Lee[1], Prerana Parajulee[1], Derick Kimathi[1], Nimesh Poudyal[1], Jungseok Lee[1], Jacqueline Kyoungah Lim[1], Chuman Lal Das[3], Amanda Debs[6], David Sack[6], Julia Lynch[1]
[1]International Vaccine Institute, Seoul, Republic of Korea, [2]Planning, Policy and Monitoring Division, Ministry of Health and Population, Kathmandu, Nepal, [3]Epidemiology and Disease Control Division, Kathmandu, Nepal, [4]National Public Health Laboratory, Kathmandu, Nepal, [5]Group for Technical Assistance, Kathmandu, Nepal, [6]Johns Hopkins University, Baltimore, MD, United States

2:30 p.m. 7566

CHOLERA RESURGENCE IN HAITI, 2022. POST-ELIMINATION CHALLENGES

Stanley JUIN[1], Edwige Michel[2], Wilfredo R. Matias[1], Nadia Phaïmyr D. Jn Charles[3], Yodeline Guillaume[1], Roberta Bouilly[2], Anne Marie Desormeaux[3], Kenold Rendel[2], Valusnor Compère[4], Katilla Pierre[2], Jean Romuald Ernest[2], Gerard Joseph[4], Jacques Boncy[4], Donald Lafontant[2], Louise Catherine Iverse[5]
[1]MGH, Boston, MA, United States, [2]MSPP-DELR, Port-au-Prince, Haiti, [3]CDC, Port-au-Prince, Haiti, [4]MSPP-LNSP, Port-au-Prince, Haiti, [5]Harvard Global Health Institute, Cambridge, MA, United States

2:45 p.m. 7567

AN UPDATED SYSTEMATIC REVIEW AND META-ANALYSIS OF PROTECTION PROVIDED BY KILLED WHOLE-CELL ORAL CHOLERA VACCINES

Hanmeng Xu[1], **Amanda Tiffany**[2], Suman Kanungo[3], Francisco Luquero[4], Firdausi Qadri[5], Vincent Mendiboure[6], Malika Bouhenia[6], Lucy Breakwell[2], Andrew S Azman[1]
[1]Johns Hopkins University, Baltimore, MD, United States, [2]Centers for Disease Control and Prevention, Atlanta, GA, United States, [3]ICMR–National Institute of Cholera and Enteric Diseases, Kolkata, India, [4]Gavi, the vaccine alliance, Geneva, Switzerland, [5]icddr,b, Dhaka, Bangladesh, [6]World Health Organization, Geneva, Switzerland

3 p.m. 7568

EVALUATION OF ORAL CHOLERA VACCINE (EUVICHOL-PLUS) EFFECTIVENESS AGAINST *VIBRIO CHOLERAE* IN BANGLADESH AN INTERIM ANALYSIS

Firdausi Qadri[1], Farhana Khanam[1], Faisal Ahmmed[1], Md. Nazmul Hasan Rajib[1], Md Ismail Hossen[1], Fahima Chowdhury[1], Ashraful Islam Khan[1], Taufiqur Rahman Bhuiyan[1], Shahinur Haque[1], Prasanta Kumar Biswas[1], Amirul Islam Bhuiyan[1], Zahid Hasan Khan[1], Mohammad Ashraful Amin[1], Aninda Rahman[2], S M Shahriar Rizvi[2], Tahmina Shirin[3], Md Nazmul Islam[2], Amanda Tiffany[4], Lucy Breakwell[4], John D. Clemens[5]
[1]International Centre for Diarrhoeal Disease Research, Bangladesh, Dhaka, Bangladesh, [2]Communicable Disease Control, Dhaka, Bangladesh, Dhaka, Bangladesh, [3]Institute for Epidemiology Disease Control and Research, Dhaka, Bangladesh, Dhaka, Bangladesh, [4]Global Immunization Division, US CDC, US, SD, United States, [5]International Vaccine Institute, Seoul, Republic of Korea, Korea, Republic of Korea

3:15 p.m. 7569

VIRULENT BACTERIOPHAGE, ANTIBIOTICS, AND DEHYDRATION SEVERITY NEGATIVELY IMPACT CHOLERA DIAGNOSTIC PERFORMANCE: AN EXTERNAL VALIDATION STUDY

Sharia M. Ahmed[1], Md. Abu Sayeed[2], Emilee Cato[2], Ashton Creasy-Marrazzo[2], Kamrul Islam[3], Md I Ul Khabir[3], Md Taufiqur R. Bhuiyan[3], Yasmin Begum[3], Emma K. Freeman[2], Anirudh Vustepalli[2], Lindsey M. Brinkley[2], Laura S. Bailey[2], Kari B. Basso[2], Dennis Chao[4], Daniel Leung[1], Firdausi Qadri[3], Jason Andrews[5], Jesse Shapiro[6], Ashraful I. Khan[3], Eric Nelson[2]
[1]University of Utah, Salt Lake City, UT, United States, [2]University of Florida, Gainesville, FL, United States, [3]International Centre for Diarrhoeal Disease Research, Bangladesh, Dhaka, Bangladesh, [4]Bill & Melinda Gates Foundation, Seattle, WA, United States, [5]Stanford University, Stanford, CA, United States, [6]McGill, Montreal, QC, Canada

Scientific Session 82

Mosquitoes – Biology and Genetics of Insecticide Resistance

Convention Center - Room 352 (3rd Floor)
Friday, November 15, 1:45 p.m. - 3:30 p.m.

#Evolution #MolecularBiology #Genomics #Resistance

CHAIR

Victoria Ingham
Heidelberg University Hospital, Heidelberg, Germany

Brook Jensen
Arizona State University, Tempe, AZ, United States

1:45 p.m. 7570

DOES INSECTICIDE EXPOSURE IMPACT *PLASMODIUM* TRANSMISSION?

Victoria Ingham, Patrick Hoerner
Heidelberg University Hospital, Heidelberg, Germany

2 p.m. 7571

A CELL ATLAS OF *ANOPHELES* COLUZZII MALPIGHIAN TUBULES

Naomi Anne Dyer[1], Jesús Reiné[2], Mara Lawniczak[3], Ilona L. Flis[1], Eloise Aliski[4]
[1]Liverpool School of Tropical Medicine, Liverpool, United Kingdom, [2]University of Oxford, Oxford, United Kingdom, [3]Wellcome Sanger Institute, Cambridge, United Kingdom, [4]University of Liverpool, Liverpool, United Kingdom

2:15 p.m. 7572

ELUCIDATING THE ROLE OF ARGININOSUCCINATE LYASE IN CONFERRING PYRETHROID RESISTANCE IN THE MAJOR AFRICAN VECTORS *ANOPHELES FUNESTUS*

Vanessa Brigitte Ngannang-Fezeu[1], Leon M. J. Mugenzi[2], Magellan Tchouakui[3], Mersimine Kouamo[3], Murielle Wondji[3], Jude D. Bigoga[4], Charles S. Wondji[5]
[1]Centre for Research in Infectious Diseases/ University of Yaounde 1, Yaounde, Cameroon, [2]Syngenta Crop Protection, Werk Stein, Schaffhauserstrasse, Stein CH4332, Switzerland, [3]Centre for Research in Infectious Diseases, Yaounde, Cameroon, [4]University of Yaounde 1, Cameroon, Yaounde, Cameroon, [5]Vector Biology Department, Liverpool School of Tropical Medicine (LSTM), Pembroke Place, Liverpool, L3 5QA, United Kingdom

2:30 p.m. 7573

UNDERSTANDING SELECTION DYNAMICS AND EVALUATING EFFICACY OF INSECTICIDE RESISTANCE MANAGEMENT STRATEGIES USING KNOCK-DOWN RESISTANT *AEDES AEGYPTI*

Brook M. Jensen[1], Alden S. Estep[2], Silvie Huijben[1]
[1]Arizona State University, Tempe, AZ, United States, [2]USDA ARS Center for Medical Agricultural and Veterinary Entomology, Gainesville, FL, United States

2:45 p.m. 7574

MITIGATING INSECTICIDE RESISTANCE WITH GENERATION MICROBIAL BIOPESTICIDES

George Dimopoulos
Johns Hopkins University, Baltimore, MD, United States

3 p.m. 7575

URIDINE DIPHOSPHATE (UDP)-GLYCOSYLTRANSFERASES (UGTS) CONFER INSECTICIDE RESISTANCE IN THE MAJOR MALARIA VECTORS *ANOPHELES GAMBIAE S.L* AND *ANOPHELES FUNESTUS*

Rhiannon Agnes Ellis Logan, Julia Bettina Mäurer, Charlotte Wapler, Victoria Anne Ingham
Heidelberg University, Heidelberg, Germany

3:15 p.m. 7576

DISCOVERY OF KNOCK-DOWN RESISTANCE IN THE MAJOR MALARIA VECTOR *ANOPHELES FUNESTUS* REVEALS THE LEGACY OF PERSISTENT DDT POLLUTION

Joel O. Odero[1], Tristan P. W. Dennis[2], Brian Polo[3], Joachim Nwezeobi[4], Marilou Boddé[4], Sanjay Nagi[2], Anastasia Hernandez-Koutoucheva[4], Ismail Nambunga[1], Hamis Bwanary[1], Gustav Mkandawile[1], Nicodem Govella[1], Emmanuel Kaindoa[1], Heather Ferguson[5], Eric Ochomo[3], Chris Clarkson[4], Alistair Miles[4], Mara Lawniczak[4], David Weetman[2], Francesco Baldini[5], Fredros Okumu[1]
[1]Ifakara Health Institute, Morogoro, United Republic of Tanzania, [2]Liverpool School of Tropical Medicine, Liverpool, United Kingdom, [3]Kenya Medical Research Institute, Kisumu, Kenya, [4]Wellcome Sanger Institute, Hinxton, United Kingdom, [5]University of Glasgow, Glasgow, United Kingdom

Symposium 83

American Committee of Molecular, Cellular and Immunoparasitology (ACMCIP) Symposium I: Single-Cell Approaches in Parasitology

Convention Center - Room 353 (3rd Floor)
Friday, November 15, 1:45 p.m. - 3:30 p.m.

Single cell approaches have become a very important tool for learning about the heterogeneity that exists within populations of cells through the analysis of singular cells, using one or multiple 'omics, imaging or other methodologies. These approaches have led to major insights in a range of fields, including molecular, cellular and immunoparasitology. Here in this symposium, we are featuring cutting-edge research talks by scientists who apply single-cell approaches toward making novel understandings within their particular subfields of parasitology. We start off with research on the use of single-cell optical metabolic imaging in Toxoplasma gondii leading toward a more comprehensive understanding of how infection with this parasite alters the host cell from a metabolic standpoint on an individual cell level. We will then move toward the use of single-cell approaches paired with 'omics technologies. Here, we will learn about how single-cell transcriptomics profiling applied to the adult stage of the schistosome, a parasitic flatworm, can be used to gain insights about the disease schistosomiasis. And finally, we will hear about the use of single cell genomics in the context of genetic cross studies being conducted to study drug-resistance in *Plasmodium falciparum* parasites to further our knowledge about genetic underpinnings of malaria drug resistance. All in all, this symposium will give its audience a broad range of exciting scientific talks about how single cell approaches are being used right now across a range of parasitic diseases to study host-pathogen interactions, within-parasite biology, and drug-resistance determinants, among

other prescient questions in parasitology. #CellBiology #Genomics #HostResponse #InfectiousDisease #MolecularBiology

CHAIR

Regina Cordy
Wake Forest University, Winston Salem, NC, United States

Selina Bopp
Harvard T.H. Chan School of Public Health, Boston, MA, United States

1:45 p.m.
INTRODUCTION

1:55 p.m.
EXPLORING THE GENETICS OF MALARIA PARASITE INFECTIONS WITH SINGLE CELL APPROACHES

Ian Cheeseman
Texas Biomedical Research Institute, San Antonio, TX, United States

2:10 p.m.
USE OF SINGLE-CELL RNASEQ FOR MALARIA TRANSMISSION STUDIES IN THE LAB AND IN THE FIELD

Roberto Rudge de Moraes Barros
Federal University of Sao Paulo in Brazil, Sao Paulo, Brazil

2:25 p.m.
METABOLIC CHANGES TO HOST CELLS WITH *TOXOPLASMA GONDII* INFECTION

Gina M. Gallego-López
University of Wisconsin-Madison, Madison, WI, United States

2:45 p.m.
IDENTIFICATION OF RARE AND UNCOMMON PARASITIZED CELL POPULATIONS IN CHRONIC *L. DONOVANI* INFECTION BY SINGLE CELL TRANSCRIPTOMICS

Abhay Satoskar
Ohio State University, Columbus, OH, United States

3 p.m.
SINGLE CELL SEQUENCING TO UNDERSTAND SCHISTOSOME BIOLOGY

James Collins
UT Southwestern Medical Center, Dallas, TX, United States

Scientific Session 84

Viruses - Emerging Viral Diseases

Convention Center - Room 354/355 (3rd Floor)
Friday, November 15, 1:45 p.m. - 3:30 p.m.

This session does not carry CME credit.

#EmergingDiseaseThreats #InfectiousDisease #Modeling

CHAIR

Ralph Huits
IRCCS Ospedale Sacro Cuore Don Calabria, Negrar, Italy

Laís Picinini Freitas
Université de Montréal, Montreal, QC, Canada

1:45 p.m. **7577**

INVESTIGATION OF AN UNEXPLAINED NEUROLOGICAL SYNDROME IN A CLUSTER OF INDIVIDUALS IN BUNDIBUGYO DISTRICT, UGANDA

Sophia Mulei[1], Shannon Whitmer[2], Stephen Balinandi[1], Jimmy Baluku[1], Katrin Sadigh[2], Kami Smith[2], Dianah Namanya[1], Calvin Torach[1], Joanita Mutesi[1], Jackson Kyondo[1], Alex Tumusiime[1], Daniel Orit[3], Daniel Kadobera[3], Andrea Winquist[2], James Sejvar[2], Luke Nyakarahuka[1], Mary Choi[2], Joel Montgomery[2], Julius Lutwama[1], Trevor Shoemaker[2], John Klena[2]
[1]Uganda Virus Research Institute, Entebbe, Uganda, [2]United States Centers for Disease Control and Prevention, Atlanta, GA, United States, [3]Uganda National Institute of Public Health, Kampala, Uganda

2 p.m. **7578**

NIPAH VIRUS IN BREAST MILK: EXPANDING THE HORIZON OF TRANSMISSION DYNAMICS

Dewan Imtiaz Rahman[1], Immamul Muntasir[2], Md. Zulqarnine Ibne Noman[1], Md. Jahidur Rahman[2], Md. Foyjul Islam[2], Fateha Akhter Ema[1], Rashedul Alam Emon[1], Monjurul Islam[3], Ahmad Raihan Sharif[2], Wasik Rahman Aquib[1], Ayesha Siddika[1], Md. Mahfuzur Rahman[1], Neeshorgo Niloy[1], Rashedul Hassan[2], Md. Omar Qayum[2], Mohammad Enayet Hossain[1], Ariful Islam[3], Kamal Ibne Amin Chowdhury[1], Mahbubur Rahman[2], Sharmin Sultana[2], John D. Klena[4], Mohammed Ziaur Rahman[1], Jonathan H. Epstein[3], Sayera Banu[1], Joel M. Montgomery[4], Tahmina Shirin[1], Syed Moinuddin Satter[1]
[1]icddr,b, Dhaka, Bangladesh, [2]Institute of Epidemiology, Disease Control and Research (IEDCR), Dhaka, Bangladesh, [3]EcoHealth Alliance, New York, NY, United States, [4]Viral Special Pathogens Branch, Division of High Consequence Pathogens and Pathology, Centers for Disease Control and Prevention, Atlanta, GA, United States

2:15 p.m. **7579**

DENGUE VIREMIA KINETICS AND THE EFFECTS ON PLATELET COUNT AND CLINICAL OUTCOMES

Nguyen L. Vuong[1], Nguyen T. H. Quyen[1], Nguyen T. H. Tien[1], Duong T. H. Kien[1], Huynh T. L. Duyen[1], Phung K. Lam[1], Dong T. H. Tam[1], Tran V. Ngoc[2], Thomas Jaenisch[3], Cameron P. Simmons[4], Sophie Yacoub[1], Bridget A. Wills[1], Ronald B. Geskus[1]
[1]Oxford University Clinical Research Unit, Ho Chi Minh City, Vietnam, [2]Hospital for Tropical Diseases, Ho Chi Minh City, Vietnam, [3]Center for Global Health, Colorado School of Public Health, Aurora, CO, United States, [4]World Mosquito Program, Monash University, Monash, Australia

2:30 p.m. **7580**

CHARACTERIZATION OF ANTIGEN-SPECIFIC HUMORAL IMMUNE RESPONSES IN ACUTE AND PAST DENGUE, ZIKA, AND WEST NILE VIRUS INFECTIONS

Christina Deschermeier[1], Christa Ehmen[2], Rutineia Ferraz[2], Ronald von Possel[2], Jörg Blessmann[2], Latdamone Keoviengkhone[3], Vatsana Sopraseuth[3], Simone Kann[4], Leonardo Maya Amaya[5], Gadith Rivera Salcedo[5], Iryna Demchyshyna[6], Petra Emmerich[2]
[1]Panadea Diagnostics GmbH, Hamburg, Germany, [2]Bernhard Nocht Institute for Tropical Medicine, Hamburg, Germany, [3]Savannakhet Provincial Hospital, Savannakhet, Lao People's Democratic Republic, [4]Medical Mission Institute, Würzburg, Germany, [5]Hospital Eduardo Arredondo Daza, Valledupar, Colombia, [6]Public Health Center of Ministry of Health of Ukraine, Kyiv, Ukraine

2:45 p.m. **7581**

A MULTIVARIATE SPATIAL MODELING OF SIMULTANEOUS EPIDEMICS OF DENGUE, CHIKUNGUNYA, AND ZIKA IN COLOMBIA

Laís Picinini Freitas[1], Mabel Carabali[2], Alexandra M. Schmidt[2], Jorge Emilio Salazar Flórez[3], Brayan Ávila Monsalve[4], César García-Balaguera[4], Berta N. Restrepo[3], Gloria I. Jaramillo-Ramirez[4], Kate Zinszer[1]
[1]Centre de recherche en santé publique, École de Santé Publique - Université de Montréal, Montreal, QC, Canada, [2]Department of Epidemiology, Biostatistics and Occupational Health, McGill University, Montreal, QC, Canada, [3]Universidad CES, Instituto Colombiano de Medicina Tropical, Medellín, Colombia, [4]Universidad Cooperativa de Colombia, Facultad de Medicina, Villavicencio, Colombia

3 p.m. 7582

PANDEMIC BURDEN IN LOW-INCOME SETTINGS AND IMPACT OF LIMITED AND DELAYED INTERVENTIONS: A GRANULAR MODELLING ANALYSIS OF COVID-19 IN KABWE, ZAMBIA

Pablo Noel Perez-Guzman[1], Sthepen L. Chanda[2], Albertus Schaap[3], Kwame Shanaube[3], Marc Baguelin[1], Sarah T. Nyangu[3], Muzala Kapina[2], Patrick GT Walker[1], Helen Ayles[3], Roma Chilengi[2], Robert J. Verity[1], Katharina D. Hauck[1], Edward S. Knock[1], Anne Cori[1]
[1]Imperial College London, London, United Kingdom, [2]Zambia National Public Health Institute, Lusaka, Zambia, [3]Zambart, Lusaka, Zambia

3:15 p.m. 7583

PREVALENCE OF ASYMPTOMATIC MPOX INFECTION IN THE SAN FRANCISCO BAY AREA, 2022

Zachary T. Renfro, Caitlin Contag, Adi Xiyal Mukund, Meg Quint, James Dickerson, Fumiko Yamamoto, Jorge Salinas, Vivian Levy, Benjamin Laniakea, Benjamin Pinsky
Leland Stanford Junior University, Stanford, CA, United States

Symposium 85

Acute Kidney Injury in Severe Malaria - Diagnosis, Burden, Pathways, and Prevention

Convention Center - Room 356 (3rd Floor)
Friday, November 15, 1:45 p.m. - 3:30 p.m.

This session does not carry CME credit.

Acute kidney injury (AKI) is defined as an abrupt loss of kidney function. In the past decade, AKI has emerged as a clinical complication of importance in both adults and children with severe malaria that is associated with increased mortality, and long-term morbidity with survivors at risk of chronic kidney disease and neurocognitive impairment. However, AKI remains an unrecognized complication of severe malaria due to a lack of clear guidelines on how to diagnose it. In this symposium we will outline approaches to diagnose AKI using evidence-based global consensus guidelines, provide an overview on the burden of AKI and its associated clinical outcomes, present the latest information on the pathophysiology of AKI, and outline approaches to prevent AKI, promote AKI recovery, and provide kidney support and dialysis in low-and-middle income countries. #ClinicalResearch #TranslationalScience #Pathogenesis #InfectiousDisease #Diagnostics

CHAIR

Andrea L. Conroy
Indiana University School of Medicine, Indianapolis, IN, United States

Ruth Namazzi
Makerere University, Kampala, Uganda

1:45 p.m.
INTRODUCTION

1:55 p.m.
RECOGNIZING ACUTE KIDNEY INJURY IN SEVERE MALARIA: USING CONSENSUS DEFINITIONS TO IDENTIFY PATIENTS AT RISK

Stuart Goldstein
University of Cincinnati, Cincinnati, United States

2:15 p.m.
BURDEN AND LONG-TERM COMPLICATIONS OF ACUTE KIDNEY INJURY IN SEVERE MALARIA

Anthony Batte
Makerere University, Kampala, Uganda

2:35 p.m.
THE PATHOPHYSIOLOGY OF SEVERE MALARIA ASSOCIATED AKI: A REVIEW OF STUDIES FROM CHILDREN AND ADULTS

Ruth Namazzi
Makerere University, Kampala, Uganda

2:55 p.m.
AKI RECOGNITION AND MANAGEMENT IN SEVERE MALARIA: PREVENTION, RECOVERY, ACCESS TO DIALYSIS

Katherine A. Plewes
Mahidol Oxford Research Unit, Bangkok, Thailand

Scientific Session 86

Measures for Control and Elimination of Neglected Tropical Diseases I

Convention Center - Room 357 (3rd Floor)
Friday, November 15, 1:45 p.m. - 3:30 p.m.

#Epidemiology #Elimination #InfectiousDisease #Prevention

CHAIR

Paul Cantey
Centers for Disease Control and Prevention, Atlanta, GA, United States

Victoria Turay
Helen Keller International, Freetown, Sierra Leone

1:45 p.m. 7584

FACTORS INFLUENCING SCALE-UP OF COMMUNITY-WIDE MDA FOR SOIL-TRANSMITTED HELMINTHS: A MULTI-SITE QUALITATIVE ANALYSIS

Arianna Rubin Means[1], Malvika Saxena[2], Bélou Abiguël Elijan[3], Emma Murphy[1], Alexandra M. Schaefer[1], Hugo Legge[4], Providence Nindi[5], Chawanangwa Mahebere Chirambo[5], Angelin Titus[2], Jabaselvi Johnson[2], Comlanvi Innocent Togbevi[3], Félicien Chabi[3], Léopold Wèkè[3], Euripide Avokpaho[3], Kumudha Aruldas[2], Khumbo Kalua[5], Sitara Swarna Rao Ajjampur[2], Moudachirou Ibikounlé[3], Judd L. Walson[6]
[1]University of Washington, Seattle, WA, United States, [2]Christian Medical College, Vellore, India, [3]IRCB, Cotonou, Benin, [4]LSHTM, London, United Kingdom, [5]BICO, Blantyre, Malawi, [6]Johns Hopkins University, Baltimore, MD, United States

2 p.m. 7585

ADDRESSING CHALLENGES IN SOIL TRANSMITTED HELMINTHIASIS CONTROL IN BANGLADESH: LESSONS FROM 15 YEARS OF MASS DRUG ADMINISTRATION

Tilak Chandra Nath[1], Mandira Mukutmoni[2], Hamida Khanum[2], Jamal Uddin Bhuiya[1]
[1]Sylhet Agricultural University, Sylhet, Bangladesh, [2]Dhaka University, Dhaka, Bangladesh

2:15 p.m. 7586

FACTORS INFLUENCING THE UPTAKE OF MASS DRUG ADMINISTRATION FOR SCHISTOSOMIASIS AMONG PRESCHOOL-AGED CHILDREN: A CROSS-SECTIONAL STUDY FROM MADAGASCAR

Valentina Marchese[1], Diavolana Koecher Andrianarimanana[2], Sonya Ratefiarisoa[2], Ariane Guth[1], Myriam Lassmann[1], Fiona Franz[1], Elly Daus[1], André Brito[1], Tahinamandranto Rasamoelina[3], Pia Rausche[1], Olivette Totofotsy[2], Alexina Olivasoa Zafinimampera[2], Irina Kislaya[1], Jürgen May[1], Rivo Andry Rakotoarivelo[4], Daniela Fusco[1]
[1]Bernhard Nocht Institute for Tropical Medicine, Hamburg, Germany, [2]Centre Hospitalier Universitaire Androva, Mahajanga, Madagascar, [3]Centre d'Infectiologie Charles Mérieux, Antananarivo, Madagascar, [4]University of Fianarantsoa, Fianarantsoa, Madagascar

2:30 p.m. 7587

EXPLORING THE RELATIONSHIP BETWEEN WASH (WATER, SANITATION, AND HYGIENE) ACCESS IN SCHOOLS AND SCHISTOSOMIASIS PREVALENCE

Ibrahim Kargbo-Labour[1], **Victoria Turay**[2], Sugandh Juneja[2], Amos S. James[2], Alusine S. Kamara[2], Abdulai Conteh[1], Abdulai Koroma[2], Unidiatu Kabia[2], Gandi Kallon[2], Elisabeth Chop[3], Cleo Stern[3], Anna Phillips[4], Angela Weaver[3], Yaobi Zhang[3]
[1]Neglected Tropical Disease Program, Ministry of Health and Sanitation, Freetown, Sierra Leone, [2]Helen Keller International, Freetown, Sierra Leone, [3]Helen Keller International, New York, NY, United States, [4]FHI 360, Washington, DC, United States

2:45 p.m. 7588

MODELING THE IMPACT OF IMPROVED WATER, SANITATION AND HYGIENE CONDITIONS DUE TO THE CORONAVIRUS DISEASE PREVENTION MEASURES ON SOIL-TRANSMITTED HELMINTHIASIS AND SCHISTOSOMIASIS INFECTIONS IN KENYA: WHAT LESSONS CAN WE LEARN FROM THIS NATURAL EXPERIMENT?

Collins Okoyo[1], Mark Minnery[2], Chrispin Owaga[3], Wyckliff P. Omondi[4], Christin Wambugu[4], Florence Musalia[5], Graham Medley[6], Peter Diggle[7], Charles Mwandawiro[1]
[1]Kenya Medical Research Institute, Nairobi, Kenya, [2]Evidence Action, Washington, WA, United States, [3]Evidence Action, Nairobi, Kenya, [4]Ministry of Health, Nairobi, Kenya, [5]Ministry of Education, Nairobi, Kenya, [6]London School of Hygiene & Tropical Medicine, London, United Kingdom, [7]Lancaster University, London, United Kingdom

3 p.m. 7589

IMPACT OF FOUR ROUNDS PER YEAR OF IVERMECTIN TREATMENT IN THE WUDI GEMZU HOTSPOT, METEMA SUB FOCUS, NORTHWEST ETHIOPIA

Aderajew M. Abdulkadir[1], Tewodros S. Mohammed[1], Fetene M. Shita[2], Yihenew Wubet[2], Gedefaw Ayenew[2], Worku Mamo[2], Yewondwossen Bitew[1], Mitiku Adugna[2], Fikresilasie Samuel[1], Fikre Seife[3], Kadu Meribo[3], Emily Griswold[4], Anley Haile[1], Zerihun Tadesse[1], Jenna E. Coalson[4], Frank O. Richards[4], Gregory S. Noland@[4]
[1]The Carter Center, Addis Ababa, Ethiopia, [2]The Carter Center, Bahir Dar, Ethiopia, [3]Ministry of Health, Addis Ababa, Ethiopia, [4]The Carter Center, Atlanta, GA, United States

3:15 p.m. 7590

EVIDENCE OF INTERRUPTION OF ONCHOCERCIASIS TRANSMISSION IN FOUR DISTRICTS OF NORTHERN GHANA: PRELIMINARY RESULTS FROM A LONGITUDINAL SURVEY TO EVALUATE A 2% OV16 SEROPREVALENCE THRESHOLD FOR STOPPING MASS DRUG ADMINISTRATION

Andrew Abbott[1], Joseph Opare[2], Odame Asiedu[2], Ellen J. Doku[2], Kofi Asemanyi-Mensah[2], Kofi Agyabeng[3], Ben Masiira[4], Thomson Lakwo[4], Ernest Kenu[5], Gifty Boateng[6], Lorreta Antwi[6], Rexford Adade[6], E. Scott Elder[1], Jessica Prince-Guerra[1], Stephen Lindstrom[1], Moukaram Tertuliano[1], Andrew Hill[1], Paul T. Cantey[1]
[1]US Centers for Disease Control and Prevention, Atlanta, GA, United States, [2]Neglected Tropical Diseases Program, Ghana Health Service, Accra, Ghana, [3]Biostatistics Department, School of Public Health, University of Ghana, Legon, Ghana, [4]African Field Epidemiology Network, Kampala, Uganda, [5]African Field Epidemiology Network, Accra, Ghana, [6]National Public Health and Reference Laboratory, Ghana Health Service, Accra, Ghana

Scientific Session 87

Global Health: Special Populations (Refugees, Internally Displaced, Migrants, etc.)

Convention Center - Room 383/384/385 (3rd Floor)
Friday, November 15, 1:45 p.m. - 3:30 p.m.

#InfectiousDisease #PopulationSurveillance #ClimateChange

CHAIR

Catherine Oldenburg
University of California, San Francisco, San Francisco, CA, United States

Isabirye Herbert Kiirya
Mbale Regional EPublic Health Emergency Operations Center, Kampala, Uganda

1:45 p.m. 7591

CROSS BORDER MOBILITY AND THE OCCURRENCE OF PUBLIC HEALTH EMERGENCIES IN REFUGEE HOST DISTRICTS IN UGANDA

Isabirye Herbert Kiirya[1], Benjamin Fuller[2], Lawrence Margaret[3], Francis Kakooza[4], Judith Nanyondo[4], Dathan Byonanebye[4], Anton Driz[5], Joshua Kayiwa[1], Issa Makumbi[1], Henry Bosa Kyobe[6], Immaculate Atuhaire[7], Immaculate Atuhaire[7], Ssekitoleko Richard[8], Christopher C Moore[9]
[1]National Public Health Emergency operations center, Kampala, Uganda, [2]Department of Medicine, University of Virginia, Charlottesville, VA, United States, [3]School of Medicine, University of Virginia, Charlottesville, VA, United States, [4]Infectious Diseases Institute, Kampala City, Uganda, [5]Monday.com, Jerusalem, Israel, [6]Ministry of Health, Kampala City, Uganda, [7]World Health Organization Uganda Office, Kampala City, Uganda, [8]World Health Organization Uganda Office, Kampala, Uganda, [9]Division of Infectious Diseases and International Health, Department of Medicine, University of Virginia, Charlottesville, VA, United States

2 p.m. 7592

THE DEADLY ASSOCIATIONS BETWEEN CONFLICT, MALARIA AND MALNUTRITION ACROSS WAR TORN COMMUNITIES IN CENTRAL AFRICAN REPUBLIC ONE OF THE WORLDS MOST CHALLENGING HUMANITARIAN CRISES

Nicola Stambach[1], Helen Lambert[2], Katie Eves[1], Blaise Alenwi Nfornuh[1], Emily Bowler[1], Peter Williams[2], Marcel Lama[3], Pascal Bakamba[3], **Richard James Allan**[1]
[1]The MENTOR Initiative, Haywards Heath, United Kingdom, [2]University of Surrey, Guildford, United Kingdom, [3]Ministry of Health, Bangui, Central African Republic

2:15 p.m. 7593

INTERNALLY DISPLACED PERSONS AND MEASLES EPIDEMIOLOGY IN THE DEMOCRATIC REPUBLIC OF CONGO: INSIGHTS FROM ROUTINE DATA

Joule N. Madinga[1], Armand Mutwadi[1], Papy Kwete[1], Harry Kayembe[2], Placide Mbala[1], Niko Speybroeck[3]
[1]Institut national de Recherche biomédicale (INRB) Kinshasa, DRC, Kinshasa, Democratic Republic of the Congo, [2]University of Kinshasa, Kinshasa, Democratic Republic of the Congo, [3]Université catholique de Louvain, Brussels, Belgium

2:30 p.m. 7594

ASSESSING HEALTH DISPARITIES AND ACCESS: AFGHAN REFUGEES HEALTH IN PAKISTAN THROUGH DATA DRIVEN ANALYSIS

Saeed Ahmad, Fahmeeda Idrees
Health Services Academy, Islamabad, Pakistan

2:45 p.m. 7595

ENVIRONMENTAL AND TOPOGRAPHIC PREDICTORS OF *FASCIOLA HEPATICA* INFECTED HOUSEHOLDS: INSIGHTS FROM CUSCO, PERU

Bryan Fernandez-Camacho[1], Antony Barja-Ingaruca[1], Luis Revilla-Dominguez[1], Rodrigo A. Ore[2], Jose L. Alccacontor-Muñoz[2], Melinda B. Tanabe[3], Maria L. Morales[2], Gabriel Carrasco-Escobar[1], Miguel M Cabada[2]
[1]Health Innovation Laboratory, Institute of Tropical Medicine "Alexander von Humboldt", Universidad Peruana Cayetano Heredia, Lima, Peru, [2]Cusco Branch - "Alexander von Humboldt" Tropical Medicine Institute, Universidad Peruana Cayetano Heredia, Cusco, Peru, [3]Division of Infectious Disease, The University of Texas Medical Branch, Gavelston, TX, United States

3 p.m. 7596

VISUALIZING EXCESS MORTALITY TRENDS: BURIAL SITE SURVEILLANCE IN KARACHI, PAKISTAN, PRE AND POST-COVID-19 PANDEMIC

Sameer Mohiuddin Belgaumi[1], Raheel Allana[2], Saima Jamal[2], Saad B. Omer[1], Abdul Momin Kazi[2]
[1]University of Texas Southwestern Medical Center, Dallas, TX, United States, [2]Aga Khan University, Karachi, Pakistan

3:15 p.m. 7597

FEASIBILITY OF DRONE-BASED ENVIRONMENTAL AND TOPOGRAPHIC SURVEILLANCE FOR *FASCIOLA HEPATICA* IN THE PERUVIAN ANDES

Bryan Fernandez-Camacho[1], Antony Barja-Ingaruca[1], Luis Revilla-Dominguez[1], Rodrigo A. Ore[2], Jose L. Alccacontor-Muñoz[2], Maria L. Morales[2], Melinda B. Tanabe[3], Gabriel Carrasco-Escobar[1], Miguel M Cabada[2]
[1]Health Innovation Laboratory, Institute of Tropical Medicine "Alexander von Humboldt", Universidad Peruana Cayetano Heredia, Lima, Peru, [2]Cusco Branch - "Alexander von Humboldt" Tropical Medicine Institute, Universidad Peruana Cayetano Heredia, Cusco, Peru, [3]Division of Infectious Disease, The University of Texas Medical Branch, Gavelston, TX, United States

Symposium 88

Advancing Research to Improve Treatment of Neglected Tropical Diseases in Children

Convention Center - Room 388/389 (3rd Floor)
Friday, November 15, 1:45 p.m. - 3:30 p.m.

THIS SESSION DOES NOT CARRY CME CREDIT.

At least 500 million children throughout the world are affected by neglected tropical diseases (NTDs). Finding effective treatments for NTDs in pediatric populations is key to meeting the World Health Organization NTD Roadmap goals for 2030 and reducing a heavy future burden of morbimortality. This panel will discuss current challenges and initiatives to improve access to treatments for neglected diseases in pediatric populations. The panel will include the perspective of researchers working on four different neglected diseases: Chagas disease, sleeping sickness, mycetoma, and schistosomiasis. Jaime Altcheh of the Ricardo Gutierrez Children's Hospital in Argentina is an expert on pediatric Chagas disease and has served as lead investigator on multiple clinical trials of new pediatric treatments. He will discuss lessons learned from these studies, as well as a new target product profile to guide future clinical research for pediatric Chagas disease. Peter Steinmann of the Swiss TPH will discuss the experience of ADOPT (Adoption of Levo-Praziquantel 150mg for schistosomiasis by endemic countries), an initiative of the Pediatric Praziquantel Consortium, which aims to facilitate large-scale delivery of this new treatment to preschool age children in Africa. Olaf Valverde of the Drugs for Neglected Diseases initiative will discuss recent clinical trials in pediatric populations to treat human African trypanosomiasis, including an ongoing trial (ACOZI-Kids), to evaluate acoziborole for treatment of Stage 1 and Stage 2 sleeping sickness caused by T.b.gambiense. Borna Nyaoke of the Drugs for Neglected Diseases initiative will explore the impact of mycetoma on pediatric patients in endemic countries in Africa and Asia, and discuss the current pipeline of new treatments. About 25% of people affected by mycetoma in Sudan are children, and the disease has long lacked a viable treatment, but there are recent therapeutic advances to share. Saschveen Singh of Medecins sans Frontieres will discuss treatment and access challenges for children with cutaneous and visceral forms of leishmaniasis, as well as efforts to confront the burden of NTDs among children who are affected by humanitarian crises. #ChildHealth; #Pediatrics; #Therapeutics; #Elimination; #FieldStudies

CHAIR

Maria-Jesus Pinazo
Drugs for Neglected Diseases initiative LATAM, Rio de Janeiro, Brazil

Jaime Altcheh
Hospital de niños Ricardo Gutierrez, Buenos Aires, Argentina

1:45 p.m.
INTRODUCTION

1:55 p.m.
STATE-OF-THE-ART IN THE DEVELOPMENT OF PEDIATRIC FORMULATIONS FOR THE TREATMENT OF NEWBORNS AND INFANTS WITH CHAGAS DISEASE
Jaime Altcheh
Hospital de Niños R. Gutierrez, Buenos Aires, Argentina

2:15 p.m.
ENDING THE NEGLECT OF MYCETOMA IN CHILDREN
Borna Nyaoke
Drugs for Neglected Diseases initiative, Nairobi, Kenya

2:35 p.m.
IMPLEMENTATION RESEARCH TO SUPPORT THE INTRODUCTION OF AN INNOVATION INTO ROUTINE USE-THE ADOPT PROGRAM
Peter Steinmann
Swiss Tropical and Public Health Institute, Basel, Switzerland

2:55 p.m.
ACCESS & OTHER CHALLENGES FOR CHILDREN WITH VISCERAL + CUTANEOUS LEISHMANIASIS
Saschveen Singh
Medecins sans Frontieres, Paris, France

3:15 p.m.
NEW HUMAN AFRICAN TRYPANOSOMIASIS TREATMENTS FOR CHILDREN: DNDI RESEARCH ON NECT, FEXINIDAZOLE AND ACOZIBOROLE
Olaf Valverde
Drugs for Neglected Diseases initiative, Geneva, Switzerland

Symposium 89

Ganaplacide (KAF156) A Next-Generation, Non-Artemisinin, for the Treatment of *P. falciparum* Malaria

Convention Center - Room 391/392 (3rd Floor)
Friday, November 15, 1:45 p.m. - 3:30 p.m.

This session does not carry CME credit.

In 2022, an estimated 249 million cases of malaria and 608,000 deaths occurred worldwide: 94% of predominantly P. falciparum malaria cases were recorded in the African Region. Artemisinin-based combination therapies (ACTs) are the current standard-of-care for *P. falciparum* malaria. Unfortunately, reports suggest that decades of continuous use of artemisinin and 4-aminoquinoline derivatives may have fostered the emergence of drug resistance in Plasmodium species in Southeast Asia and beyond, representing a major threat to artemisinin-based combination therapies (ACT) and intravenous artesunate. Already ubiquitous throughout the Greater Mekong Subregion of Southeast Asia, artemisinin partial resistance has emerged in several countries in East Africa and the Horn of Africa. If widespread artemisinin drug resistance was to occur, malaria pharmacotherapy would be severely impaired. Thus, there is an urgent need for new antimalarials with novel mechanisms of action which are effective against parasites harboring commonly occurring resistance mutations. The symposium will open with an overview of the past and current malaria treatment options. Talks, delivered on behalf of the WANECAM2 consortium members, then describe the EDCTP2-funded WANECAM2 consortium's capacity building in clinical research and its efforts for the clinical development of a novel combination therapy consisting of ganaplacide (KAF156) and lumefantrine – solid dispersion formulation ((LUM-SDF). #ChildHealth #ClinicalResearch #Infectious Disease #Therapeutics

CHAIR
Martin P. Grobusch
Amsterdam University Medical Centers, Amsterdam, Netherlands

Abdoulaye Djimde
Malaria Research and Training Centre of the University of Science, Techniques and Technologies of Bamako, Mali, Bamako, Mali

1:45 p.m.
INTRODUCTION

1:55 p.m.
OVERVIEW OF CURRENT *P. FALCIPARUM* MALARIA TREATMENT OPTIONS
Issaka Sagara
University of Sciences, Techniques and Technologies of Bamako (USTTB), Mali, Bamako, Mali

2:20 p.m.
CAPACITY BUILDING AND METHODS FOR ASSESSMENT OF TRANSMISSION BLOCKING ACTIVITIES OF THE NEW NON-ARTEMISININ-BASED COMBINATION THERAPY (KAF156) IN A PHASE 3 MULTI-COUNTRY STUDY
Rella Z. Manego
CERMEL, Lambarene, Gabon

2:45 p.m.
METHODS TO ASSESS *P. FALCIPARUM* DYNAMICS OF SELECTION OF DRUG RESISTANCE MARKERS OF THE NEW A NON-ARTEMISININ-BASED COMBINATION THERAPY (KAF156)
Colin Sutherland
LSHTM, London, United Kingdom

3:10 p.m.
RESULTS OF THE KALUMI STUDY: EFFECT OF FOOD ON EXPOSURE OF GANAPLACIDE-LUMEFANTRINE SDF COMBINATION. EARLY INDICATORS OF TRANSMISSION BLOCKING AND EFFECT IN K13 MUTATED PARASITES
Caroline Boulton
Novartis Pharma AG, Basel, Switzerland

Scientific Session 90

Malaria Epidemiology I: High Risk Groups

Convention Center - Room 393/394 (3rd Floor)
Friday, November 15, 1:45 p.m. - 3:30 p.m.

#MNCH #Modeling #PopulationSurveillance #Epidemiology

CHAIR
Richard James Maude
Mahidol Oxford Tropical Medicine Research Unit, Bangkok, Thailand

Nathalia Ramme Medeiros de Albuquerque
University of Sao Paulo, Sao Paulo, Brazil

1:45 p.m. **7598**

QUANTIFYING THE IMPACT OF MALARIA IN PREGNANCY ON MATERNAL ANEMIA AND ITS ASSOCIATED BURDEN ACROSS AFRICA

Sequoia I. Leuba[1], Robert Verity[1], Julie R. Gutman[2], Kassoum Kayentao[3], Simon Kariuki[4], Mwayiwawo Madanitsa[5], James Dodd[6], Brian Greenwood[7], Patrick GT Walker[1]
[1]Imperial College London, London, United Kingdom, [2]Malaria Branch, Division of Parasitic Diseases and Malaria, Center for Global Health, Centers for Disease Control and Prevention, Atlanta, GA, United States, [3]Malaria Research and Training Center, Mali International Center for Excellence in Research, University of Sciences, Techniques, and Technologies of Bamako, Bamako, Mali, [4]Kenya Medical Research Institute, Centre for Global Health Research, Kisumu, Kenya, [5]Department of Clinical Sciences, Malawi University of Science and Technology, Limbe, Malawi, [6]Department of Clinical Sciences, Liverpool School of Tropical Medicine, Liverpool, United Kingdom, [7]London School of Hygiene & Tropical Medicine, London, United Kingdom

2 p.m. **7599**

ESTIMATING THE BURDEN OF SEVERE MALARIA IN CHILDREN, SUB-SAHARAN AFRICA 2015 TO 2022

Annie J. Browne[1], Francesca Sanna[1], Paulina A. Dzianach[1], Jailos Ludinda[1], Susan F. Rumisha[1], Tasmin L. Symons[1], Peter W. Gething[1], Daniel J. Weiss[2]
[1]Telethon Kids Institute, Perth, Australia, [2]Curtin University, Perth, Australia

2:15 p.m. **7600**

RISK FACTORS FOR EMERGENT MALARIA CASES IN MUTARE CITY, ZIMBABWE, 2022-2023

Sungano Mharakurwa, Tanatswa X. Gara-Mundere, Trust Nyakunu, Brenda Makonyere, Tariro Chikava, Natasha Mbwana, Charmaine Matimba, Nobert Mudare, Shungu Munyati, Lovemore Gwanzura
Africa University, Mutare, Zimbabwe

2:30 p.m. **7601**

UTILIZATION OF ANTENATAL CARE SERVICES AMONG WOMEN OF REPRODUCTIVE AGE IN A MALARIA ENDEMIC AREA IN RARIEDA SUBCOUNTY, WESTERN KENYA

Brian L. Seda[1], Oliver Towett[1], Victoria Seffren[2], Daniel P. McDermott[3], Jonathan Schultz[4], Feiko ter Kuile[3], Sarah G. Staedke[3], Simon Kariuki[1], Julie R. Gutman[2]
[1]KEMRI/CGHR, Kisumu, Kenya, [2]CDC, Atlanta, GA, United States, [3]LSTM, Liverpool, United Kingdom, [4]US Centers for Disease Control and Prevention, Kisumu, Kenya

2:45 p.m. **7602**

RISK FACTORS FOR ASYMPTOMATIC *P. FALCIPARUM* INFECTION IN THE DRY SEASON, AND RELATIONSHIP WITH CLINICAL MALARIA RISK IN THE SUBSEQUENT TRANSMISSION SEASON AMONG CHILDREN IN WESTERN PROVINCE, ZAMBIA

Ruth A. Ashton[1], Chama Chishya[2], Kochelani Saili[3], Handrinah Banda[2], John Chulu[2], Chanda Chitoshi[2], Annie Arnzen[4], Erica Orange[4], John Miller[5], Kafula Silumbe[5], Busiku Hamainza[6], Megan Littrell[7], Joshua Yukich[1], Thomas Eisele[1]
[1]Tulane School of Public Health and Tropical Medicine, New Orleans, LA, United States, [2]PATH, Kaoma, Zambia, [3]Macha Research Trust, Choma, Zambia, [4]PATH, Seattle, WA, United States, [5]PATH, Lusaka, Zambia, [6]National Malaria Elimination Centre, Lusaka, Zambia, [7]PATH, Washington, DC, United States

3 p.m. **7603**

HUMAN MALARIA IN THE ATLANTIC FOREST OF BRAZIL IS MOSTLY CAUSED BY *PLASMODIUM* SIMIUM

Nathalia Ramme Medeiros de Albuquerque, Marcelo Urbano Ferreira
University of Sao Paulo, Sao Paulo, Brazil

3:15 p.m. **7604**

THE IMPACT OF FIRST-TRIMESTER *PLASMODIUM FALCIPARUM* MALARIA INFECTIONS ON MATERNAL, PREGNANCY AND INFANT OUTCOMES IN SUB-SAHARAN AFRICA: A SYSTEMATIC REVIEW AND INDIVIDUAL PARTICIPANT DATA META-ANALYSIS

Anna Maria van Eijk[1], Myriam el Gaaloul[2], Jenifer Akoth Otieno[3], Eleanor Ochodo[3], Abel Kakuru[4], Richard Kajubi[4], Valérie Briand[5], Manfred Accrombessi[6], Nicaise Ndam[7], Gilles Cottrell[8], Henrik Friis[9], Pernille Kaestel[9], Seth Adu-Afarwuah[10], Kathryn Dewey[11], Daniel Minja[12], Line Hjort[13], Christentze Schmiegelow[9], Holger Unger[14], Feiko O. Ter Kuile[1], Hill Jenny[1], **Stephanie Dellicour**[1]
[1]Liverpool School of Tropical Medicine, Liverpool, United Kingdom, [2]Medicines for Malaria Venture, Geneva, Switzerland, [3]Kenya Medical Research Institute, Kisumu, Kenya, [4]Infectious Diseases Research Collaboration, Kampala, Uganda, [5]IRD, Inserm, Université de Bordeaux, IDLIC team, Bordeaux, France, [6]Clinical Research Institute of Benin, Abomey-Calavi, Benin, [7]Université de Paris, MERIT, IRD, Paris, France, [8]Université de Paris, IRD, MERIT, Paris, France, [9]University of Copenhagen, Copenhagen, Denmark, [10]University of Ghana, Accra, Ghana, [11]Institute for Global Nutrition, University of California, Davis, CA, United States, [12]National Institute for Medical Research, Tanga, United Republic of Tanzania, [13]Copenhagen University Hospital, Copenhagen, Denmark, [14]Charles Darwin University, Darwin, Australia

Symposium 91

Results from the PAASIM Study- A Matched Cohort Study on Urban Water Supply Improvements and Infant Enteric Pathogen Infection, Gut Microbiome Development and Child Health in Mozambique

Convention Center - Room 395/396 (3rd Floor)
Friday, November 15, 1:45 p.m. - 3:30 p.m.

In this symposium, speakers will present new findings on the primary exposure and health outcomes from the PAASIM study (Pesquisa Sobre o Acesso à Água e a Saúde Infantil em Moçambique - Research on Access to Water and Children's Health in Mozambique), a prospective matched cohort study designed to examine the impact of a city-wide, World Bank-funded water system improvements on drinking water quality and child health. The PAASIM study followed 548 mother-child dyads in a low-income area of Beira, Mozambique from late pregnancy through 12 months of age. Our analyses compare (1) participants living in sub-neighborhoods that received improvements to the piped water network to those living in sub-neighborhoods that did not receive improvements and (2) participants with household water connections to those without household water connections. We will present if and how improvements to the piped water network impacted pre-defined primary outcome measures of (1) enteric pathogen infections, (2) gut microbiome composition, and (3) drinking water quality and access. To answer these questions, we draw from a rich longitudinal dataset with rigorous measures of exposure and novel objective measures, including gut microbiome composition using 16S rRNA gene amplicon sequencing and molecular detection of a suite of enteric pathogens using the TaqMan Array Card assay. In addition to the new results reporting on primary outcomes of the study, we will also describe approaches to assessing multidimensional measures of water quality and access. This is the first impact evaluation of a large-scale urban water system intervention on child health outcomes. The research from the PAASIM study presented in this symposium

addresses the knowledge gap about the health impact of provision of a piped water network and household connections in low-income, urban settings. The study design allows for examination of both neighborhood and household-level effects of water supply improvements, and we employ rigorous measures of exposure and novel and objective outcome measures. #ChildHealth #Epidemiology #FieldStudies #Genomics #InfectiousDisease

CHAIR

Karen Levy
University of Washington, Seattle, WA, United States

Matthew Freeman
Emory University, Atlanta, GA, United States

1:45 p.m.
INTRODUCTION

1:55 p.m.
OVERVIEW OF THE PAASIM STUDY: DESIGN, RATIONALE, AND CHALLENGES AND THE ASSOCIATIONS BETWEEN THE PROVISION OF AN IMPROVED PIPED WATER NETWORK AND SECONDARY OUTCOMES (DIARRHEA, GROWTH, AND MORTALITY) AMONG INFANTS IN MOZAMBIQUE

Matthew Freeman
Emory University, Atlanta, GA, United States

2:20 p.m.
RESULTS FROM THE PAASIM STUDY ON PROVISION OF AN IMPROVED PIPED WATER NETWORK AND HOUSEHOLD WATER QUALITY EXPOSURE MEASUREMENTS

Joshua V. Garn
University of Nevada Reno, Reno, NV, United States

2:35 p.m.
RESULTS FROM THE PAASIM STUDY ON PROVISION OF AN IMPROVED PIPED WATER NETWORK AND ENTERIC PATHOGEN INFECTIONS IN 12-MONTH OLD CHILDREN

Karen Levy
University of Washington, Seattle, WA, United States

2:50 p.m.
ASSOCIATIONS BETWEEN THE PROVISION OF AN IMPROVED PIPED WATER NETWORK AND GUT MICROBIOTA COMPOSITION AMONG INFANTS IN MOZAMBIQUE

Courtney Victor
Emory University, Atlanta, GA, United States

3:05 p.m.
PROVISION OF AN IMPROVED PIPED WATER NETWORK AND PARASITE INFECTIONS AMONG INFANTS IN MOZAMBIQUE

Rassul Nalá
Instituto Nacional de Saude, Vila de Marracuene, Mozambique

Special Event

New Orleans Tour: A Walk through the History of New Orleans and Intersections with Tropical Medicine and Public Health

Limited to attendees who signed up at Tulane Exhibit Booth
Friday, November 15, 2:30 p.m. - 4:30 p.m.

The city of New Orleans is a landscape imprinted with the waves of epidemics that in response produced the first school of public health and first school of tropical medicine in the United States. New Orleans' culture and its geography shaped these epidemics and the epidemics in turn shaped the city's culture and economy. Stop by the Tulane booth in the Exhibit Hall to sign up for a walk to see some key sites of the city, the yellow fever mortuary chapel, the birth places of American music, the slave market, the front door of the French Quarter and the Mississippi River's edge which evokes the physical and social contexts that brought yellow fever, cholera, and malaria to the city.

Career Chats: Navigating Career Paths in Global Health – Session 1

Convention Center - Room 346/347 (3rd Floor)
Friday, November 15, 3 p.m. - 4 p.m.

This session aims to introduce trainees to the diverse and breadth of opportunities from pursuing careers in global health through a panel discussion. The remarkable panelists are ASTMH members who have made accomplishes in scientific and clinical research globally, represent diverse fields within the global health sphere as well as championing tropical medicine both nationally and internationally. Panelists will share insights from their remarkable journeys in global health, discuss opportunities and challenges that come with working in global health (i.e., navigating career pathways, funding sources, overcoming obstacles, navigating academic, cultural, socio-economic factors etc), how they transitioned career pathways and discuss their institutional global health portfolio. This session will help in furthering trainees' progress and help increase the visibility of various pathways in global health, and how to navigate future career paths advancement at the global stage. Furthermore, trainees will gain advice from internationally renowned global health champions on their perspectives working on tropical medicine in various capacities around the world. Overall, it is a remarkable session that will provide trainees with opportunities to network and learn directly from international researchers and experts in various disciplines within global health.

CHAIR

Winter Okoth
Rutgers, State University of New Jersey, New Brunswick, NJ, United States

Rachel Elizabeth Lange
Wadsworth Center, New York State Department of Health, Slingerlands, NY, United States

PANELISTS

Mark Kortepeter
Uniformed Services University of the Health Sciences, Bethesda, MD, United States

Natasha Hochberg
Novartis Institutes for Biomedical Research, Cambridge, MA, United States

Bhupendra Tripathi
Bill & Melinda Gates Foundation, New Delhi, India

Terrie Taylor
Michigan State University, East Lansing, MI, United States

Exhibit Hall Open

Convention Center - Hall J (1st Floor)
Friday, November 15, 3:15 p.m. - 4:15 p.m.

Coffee Break

Convention Center - Hall J (1st Floor)
Friday, November 15, 3:30 p.m. - 4 p.m.

Poster Session B Dismantle

Convention Center - Hall I-1 (1st Floor)
Friday, November 15, 4 p.m. - 6:15 p.m.

LIVE STREAMING

Symposium 92

From Birds to Cows to Humans: Avian Influenza - A Pandemic Waiting to Happen?

Convention Center - Hall I-2 (1st Floor)
Friday, November 15, 4 p.m. - 5:45 p.m.

The recent emergence of highly pathogenic avian influenza (H5N1) with spillover from poultry and bovine species into humans raises critical concerns for pandemic potential. The goal of this symposium on avian influenza is to bring together experts to discuss current events and critical aspects of the disease. We will feature comprehensive talks on virology, detailing the virus's structure and evolution, and animal infection and transmission risks, emphasizing how the virus spreads among avian populations and potential spillover to other species. Human clinical features will also be discussed, highlighting symptoms and treatment options for infected individuals. Epidemiology and risk factors for infection will be examined to identify vulnerable populations and patterns of outbreaks. Finally, the symposium will address pandemic preparedness and response, focusing on strategies to mitigate and manage potential global health threats posed by avian influenza.

The symposium will begin with three background talks followed by a keynote speech by Dr. Paul Friedrichs on the United States avian influenza pandemic preparedness plan. We will then have a moderated panel session with all the speakers.

#EmergingDisease Threats #InfectiousDisease #Epidemiology #ClinicalResearch #FieldStudies

CHAIR

David Hamer
Boston University, Boston, MA, United States

Kristy Murray
Emory University, Atlanta, GA, United States

4 p.m.
INTRODUCTION

4:10 p.m.
AVIAN INFLUENZA VIROLOGY

Mohammed Ziaur Rahman
icddr,b, Dhaka, Bangladesh

4:30 p.m.
USING A ONE HEALTH APPROACH TO DETECT ZOONOTIC RESPIRATORY VIRUS THREATS

Gregory C. Grey
Departments of Internal Medicine (Infectious Diseases), Microbiology and Immunology, and Global Health University of Texas Medical Branch, Galveston, TX, United States

4:50 p.m.
H5N1 AVIAN INFLUENZA CROSS SPECIES TRANSMISSION TO HUMANS - EPIDEMIOLOGY AND CLINICAL MANIFESTATIONS

Nahid Bhadelia
Boston University Center on Emerging Infectious Diseases, Boston, MA, United States

5:10 p.m.
IS THE UNITED STATES READY FOR AN AVIAN INFLUENZA PANDEMIC?

Major General Paul Friedrichs
The White House, Washington, DC, United States

5:30 p.m.
PANEL DISCUSSION

Scientific Session 93

Ectoparasite-Borne Diseases II

Convention Center - Room 343/344 (3rd Floor)
Friday, November 15, 4 p.m. - 5:45 p.m.

#InfectiousDisease #EmergingDiseaseThreats #EcologicalStudies #PopulationSurveillance

CHAIR

Lidia Gual Gonzalez
University of South Carolina, Columbia, SC, United States

Rhoel R. Dinglasan
University of Florida Emerging Pathogens Institute, Gainesville, FL, United States

4 p.m. **7605**

RISK FACTORS FOR SPOTTED FEVER GROUP RICKETTSIOSES IN KILIMANJARO REGION, TANZANIA

Thomas R. Bowhay[1], Matthew P. Rubach[2], Angelo J. F. Mendes[3], William L. Nicholson[4], Jamie L. Perniciaro[4], Michael J. Maze[5], Jo E. B. Halliday[3], Ganga S. Moorthy[2], Kathryn J. Allan[3], Blandina T. Mmbaga[6], Wilbrod Saganda[7], Bingileki F. Lwezaula[7], Rudovick R. Kazwala[8], Sarah Cleaveland[3], Katrina J. Sharples[1], Venance P. Maro[6], John A. Crump[1]
[1]University of Otago, Dunedin, New Zealand, [2]Duke University School of Medicine, Durham, NC, United States, [3]University of Glasgow, Glasgow, United Kingdom, [4]Centers for Disease Control and Prevention, Atlanta, GA, United States, [5]University of Otago, Christchurch, New Zealand, [6]Kilimanjaro Christian Medical University College, Moshi, United Republic of Tanzania, [7]Mawenzi Regional Referral Hospital, Moshi, United Republic of Tanzania, [8]Sokoine University of Agriculture, Morogoro, United Republic of Tanzania

4:15 p.m. **7606**

EMERGENCE OF TICK-BORNE SPOTTED FEVER GROUP *RICKETTSIA* IN NORTH, CENTRAL AND SOUTH AMERICA: HIGHLIGHTING THE NEED FOR ATTENTION

Lidia Gual Gonzalez[1], Kyndall Dye-Braumuller[1], Marvin Stanley Rodriguez Aquino[2], Omar Cantillo Barraza[3], Melissa S. Nolan[1]
[1]University of South Carolina, Columbia, SC, United States, [2]Universidad de El Salvador, San Salvador, El Salvador, [3]Universidad de Antioquia, Medellín, Colombia

4:30 p.m. 7607

TICK-BORNE CRIMEAN-CONGO HEMORRHAGIC FEVER IN WEST CAMEROON: CIRCULATION AND RISK FACTORS AMONG CATTLE BREEDERS

Fredy Brice Nemg Simo[1], Urmes Chantale Sobjio Teagho[1], Serika Marshall Atako[1], Brice Tiwa Lontsi[1], Brice Vincent Ayissi Owona[1], Maurice Demanou[2], Charles Sinclair Wondji[3], Basile B. Kamgang[3], Felicity Jane Burt[4], Sadie J. Ryan[5], Nigel Aminakeh Makoah[4], Rhoel R. Dinglasan[6], Paul Fewou Moundipa[1]

[1]Department of Biochemistry, University of Yaounde 1, Yaounde, Cameroon, [2]Yellow Fever Regional Laboratory Coordinator for Africa, Libreville, Gabon, [3]Centre for Research in Infectious Disease, Yaounde, Cameroon, [4]Division of Virology, Faculty of Health Science, University of Free State, Bloemfontein, South Africa, [5]Department of Geography, University of Florida, Gainesville, FL, United States, [6]Department of Infectious Diseases & Immunology, College of Veterinary Medicine, Gainesville, FL, United States

4:45 p.m. 7608

XENOSURVEILLANCE OF TICKBORNE PATHOGENS VECTORED BY METASTRIATE TICKS ALONGSIDE THE VIRGINIA-NORTH CAROLINA BORDER

Rhoel R. Dinglasan[1], Jacob Anderson[2], Jeffrey Gruntmeir[1], Wayne Hynes[3], Sadie J. Ryan[4], Heather Coatsworth[1], Sandra Gaff[2], Holly Gaff[3]

[1]University of Florida Emerging Pathogens Institute, Gainesville, FL, United States, [2]Mobility Health, Mason, OH, United States, [3]Old Dominion University, Norfolk, VA, United States, [4]University of Florida, Gainesville, FL, United States

5 p.m. 7609

THE EFFECTS OF IVERMECTIN MASS DRUG ADMINISTRATION DESIGNED FOR MALARIA ON TUNGIASIS IN KWALE, KENYA: A CLUSTER-RANDOMISED CONTROLLED TRIAL

Joanna Furnival-Adams[1], Lynne Elson[2], Rachel Otuko[2], Almudena Sanz[1], Eldo Elobolobo[3], Mercy Kariuki[2], Vegovito Vegove[4], Shadrack Mramba[2], Aurelia Brazeal[2], Mwanajuma Ngama[2], Allan Matano[2], Paula Ruiz-Castillo[1], Starford Mitora[2], Lydia Kasiwa[2], Caroline Jones[2], Truphena Nafula[2], Regina Rabinovich[1], Joseph Mwangangi[1], Marta Maia[2], Carlos Chaccour[1]

[1]Barcelona Institute for Global Health, Barcelona, Spain, [2]Kenya Medical Research Institute, Kilifi, Kenya, [3]DataBrew, Toronto, ON, Canada, [4]Centro de Investigação em Saúde de Manhiça (CISM), Manhica, Mozambique

5:15 p.m. 7610

DETECTION OF A POTENTIALLY NOVEL TICK-BORNE VIRUS CLOSELY RELATED TO *GUERTU* VIRUS FROM A*MBLYOMMA GEMMA* TICKS AND ITS PREVALENCE IN HUMAN POPULATIONS FROM ISIOLO COUNTY, KENYA

Hellen Koka[1], Solomon Langat[1], Samuel Oyola[2], Faith Cherop[3], Gilbert Rotich[3], James Mutisya[1], Victor Ofula[1], Konongoi Limbaso[1], Juliette R. Ongus[4], Joel Lutomiah[1], Rosemary Sang[3]

[1]Kenya Medical Research Institute, Nairobi, Kenya, [2]International Livestock Research Institute, Nairobi, Kenya, [3]International Centre of Insect Physiology and Ecology, Nairobi, Kenya, [4]Jomo Kenyatta University of Agriculture and Technology, Nairobi, Kenya

5:30 p.m. 7611

CROSS-SECTIONAL ANALYSIS OF SEROLOGIC RESPONSE TO ARTHROPOD-BORNE AND HEMORRHAGIC FEVER VIRUSES IN GHANAIAN LIVESTOCK HERDERS IN MILITARY AND CIVILIAN SETTINGS

Keersten Ricks[1], Stephanie Monticelli[1], Seth O. Addo[2], Tamara Clements[1], Mba-Tihssommah Mosore[2], Ronald E. Bentil[2], Janice Tagoe[2], Clara Yeboah[2], Eric Behene[2], William Asiedu[3], Daniel L. Mingle[3], **Shirley C. Nimo-Paintsil**[4], Samuel K. Dadzie[2], Terrel Sanders[4], Andrew G. Letizia[4], Randal Schoepp[1]

[1]Diagnostic Systems Division, United States Army Medical Research Institute of Infectious Diseases, Fort Detrick, MD, United States, [2]Noguchi Memorial Institute for Medical Research, Accra, Ghana, [3]Public Health Division, Ghanaian Armed Forces, Accra, Ghana, [4]United States Naval Medical Research Unit EURAFCENT Ghana Detachment, Accra, Ghana

Symposium 94

Solving the Supply Shortage: Present and Future Prospects for Cholera Vaccines

Convention Center - Room 345 (3rd Floor)
Friday, November 15, 4 p.m. - 5:45 p.m.

This Symposium will focus on the current state and future landscape of cholera vaccines. Since 2022 the Global Cholera Vaccine Stockpile has not been able to meet the demand due to the unprecedented surge in cholera outbreaks globally. This series of presentations will begin with the Global Task Force on Cholera Control (GTFCC) summarizing the current global cholera situation and discussing the challenges in managing the extraordinary supply and demand crisis. Subsequent scientific presentations will include recent data on four new cholera vaccines in development that seek to expand the supply and add to the tools available for cholera control. Presentations will include the recent results of the Phase 3 Trial of Euvichol-S, a simplified formulation of the inactivated Whole Cell Oral Cholera Vaccine (OCV). Euvichol-S, contains two components and was developed to simplify the OCV manufacturing process and expand production capacity. Euvichol-S, recently registered in Korea and WHO pre-qualified in April 2024, is expected to immediately help reduce the gap between the current OCV supply and demand toward achieving the WHO goal for ending cholera by 2030. As transformative as OCV has been for cholera control, new "next generation" cholera vaccines with different attributes are needed for sustainable cholera control. Additional presentations will include the Phase 1 trial results of PanChol a genetically engineered rapid-acting live attenuated Oral Cholera Vaccine, and the Phase 1 trial results of a Cholera Conjugate Vaccine (CCV) based on the immunodominant protective antigen of cholera, the O-specific polysaccharide (OSP) component of LPS, linked to a carrier protein to generate T cell dependent responses. This injected vaccine could overcome the limitations of developing effective and durable immune responses in young children seen with oral antigens. Finally, the development plan of a novel oral capsule vaccine, DuoChol, that combines inactivated whole cell bacteria and recombinant cholera toxin B will be presented including the results of country workshops in South Asia and Sub-Saharan Africa to assess feasibility, cost and policy implications of a capsule vaccine. This highly thermostable and light weight vaccine is expected to have efficacy similar to Dukoral but significantly reduce delivery costs and challenges. A phase 1 trial is expected in early 2025. #Vaccinology, #Elimination, #InfectiousDisease

CHAIR

Julia A. Lynch
International Vaccine Institute, Seoul, Republic of Korea

Edward T. Ryan
Massachusetts Gen Hosp-Harvard, Boston, MA, United States

4 p.m.
INTRODUCTION

4:10 p.m.

SUPPLY AND DEMAND CHALLENGES OF THE CHOLERA VACCINE STOCKPILE

Malika Bouhenia
World Health Organization, Geneva, Switzerland

4:30 p.m.

RESULTS OF THE PHASE 3 TRIAL OF EUVICHOL-S, A SIMPLIFIED FORMULATION OF THE INACTIVATED WHOLE CELL ORAL CHOLERA VACCINE

Ram Hari Chapagain
Kanti Children's Hospital, Kathmandu, Nepal

4:50 p.m.

RESULTS OF THE PHASE 1 TRIAL OF PANCHOL, A RAPID-ACTING LIVE ATTENUATED ORAL CHOLERA VACCINE

Matthew Waldor
Brigham and Woman's Hospital, Boston, MA, United States

5:10 p.m.

RESULTS OF THE PHASE 1 TRIAL OF A CHOLERA CONJUGATE VACCINE

Edward T. Ryan
Massachusetts Gen Hosp-Harvard, Boston, MA, United States

5:30 p.m.

DUOCHOL- AN ENCAPSULATED THERMOSTABLE ORAL CHOLERA VACCINE (OCV) - DEVELOPMENT PLAN AND USER ACCEPTANCE EVALUATION

Naveena A. D'Cor
International Vaccine Institute (IVI), Seoul, Republic of Korea

Scientific Session 95

Mosquitoes- Molecular Biology, Population Genetics and Genomics

Convention Center - Room 352 (3rd Floor)
Friday, November 15, 4 p.m. - 5:45 p.m.

#Evolution #Genetics #Genomics #MolecularBiology

CHAIR

Igor Sharakhov
Virginia Tech, Blacksburg, VA

Luciano V. Cosme
Yale University, New Haven, CT, United States

4 p.m. 7612

GENOME-WIDE ASSOCIATION STUDIES UNVEIL SIGNATURES OF SELECTIVE SWEEPS ASSOCIATED TO INSECTICIDE RESISTANCE EVOLUTION IN *ANOPHELES FUNESTUS* IN FOUR ECO-GEOGRAPHICAL SETTINGS ACROSS CAMEROON

Mahamat Gadji[1], Kengne-Ouafo Jonas A[1], Magellan Tchouakui[1], Wondji Murielle J[1], Mugenzi Leon[2], Jack Hearn[3], Boyomo Onana[4], Wondji Charles S[5]
[1]Centre for Research in Infectious Diseases (CRID), Yaounde, Cameroon, [2]Sygenta, Basel, Switzerland, [3]Scotland's Rural College (SRUC), Inverness, United Kingdom, [4]University of Yaounde I, Yaounde, Cameroon, [5]Centre for Research in Infectious Diseases (CRID), ODZA Small market, Cameroon

4:15 p.m. 7613

DEFINING THE ROLE OF JUVENILE HORMONE III FOR *ANOPHELES GAMBIAE* REPRODUCTION AND *PLASMODIUM* TRANSMISSION

Emre Aksoy[1], Shifan Wang[1], Naresh Singh[1], Robert W. Shaw[2], Flaminia Catteruccia[2]
[1]Harvard T.H. Chan School of Public Health, Boston, MA, United States, [2]Harvard T.H. Chan School of Public Health/Howard Hughes Medical Institute, Boston, MA, United States

4:30 p.m. 7614

AEDES AEGYPTI POPULATION GENOMICS UNCOVERS EXTENSIVE CONTEMPORARY MIGRATION AND INCREASED DENGUE RISK

Seth N. Redmond[1], Dario Balcazar[2], Henry Youd[3], Andrea Gloria-Soria[4], David Weetman[3], Jacob Crawford[5]
[1]Yale School of Public Health, New Haven, CT, United States, [2]Yale University, New Haven, CT, United States, [3]Liverpool School of Tropical Medicine, Liverpool, United Kingdom, [4]The Connecticut Agricultural Research Center, New Haven, CT, United States, [5]Verily Life Sciences, South San Francisco, CA, United States

4:45 p.m. 7615

SEARCH FOR POSSIBLE LOCI UNDER POSITIVE SELECTION IN EXOMES OF INVASIVE *ANOPHELES STEPHENSI* LARVAE IN ETHIOPIA

Isuru Gunarathna[1], Jeanne Samake[1], Dejene Getachew[2], Solomon Yared[3], Audrey Lenhart[4], Sarah Zohdy[4], Tamar E. Carter[1]
[1]Baylor University, Waco, TX, United States, [2]Adama Science and Technology University, Āsasa, Ethiopia, [3]Jigjiga University, Jijiga, Ethiopia, [4]Centers for Disease Control and Prevention, Atlanta, GA, United States

5 p.m. 7616

GENETIC INSIGHTS INTO DIAPAUSE ADAPTATION OF *AEDES ALBOPICTUS* IN TEMPERATE CLIMATES: A GENOME-WIDE ASSOCIATION STUDY

Luciano V. Cosme[1], Margaret Corley[1], Jiangnan Shen[1], Hongyu Zhao[1], Alexandra Mushegian[2], Sarah Marzec[2], Peter Armbruster[2], Adalgisa Caccone[1]
[1]Yale University, New Haven, CT, United States, [2]Georgetown University, Washington, DC, United States

5:15 p.m. 7617

POPULATION GENOMICS OF EMERGENT *ANOPHELES* STEPHENSI IN THE HORN OF AFRICA: GENOMIC DIVERSITY, POPULATION STRUCTURE AND INSECTICIDE RESISTANCE.

Tristan P.W. Dennis[1], Elfatih Malik[2], Jihad Eltaher[3], Mujahid Abdin[1], Ahmed Mahmoud[4], Eba A. Simma[5], Endalew Zedane[5], Adane Eyasu[5], Alemayehu Dagne[5], Biniam Lukas[5], Temesgen Ashine[6], Yehenew Asmamaw[6], Nigatu Negash[6], Abena Kochora[6], Muluken Assefa[6], Patricia Pignatelli[1], Faisal Ashraf[1], Ashwaq Alnazawi[7], Bouh Abdi[8], Endalamaw Gadisa[6], Delenasaw Yewhalaw[5], Hmooda T. Kafy[9], Alison Reynolds[1], Anne L. Wilson[1], Martin J. Donnelly[1], David Weetman[1]
[1]Liverpool School of Tropical Medicine, Liverpool, United Kingdom, [2]University of Khartoum, Khartoum, Sudan, [3]SMART Centre, Sennar, Sudan, [4]Federal Ministry of Health, Khartoum, Sudan, [5]Jimma University, Jimma, Ethiopia, [6]Armauer Hansen Research Institute, Addis Ababa, Ethiopia, [7]Public Health, Department of Vector Control, Jeddah, Saudi Arabia, [8]United Nations Development Programme, Djibouti, Djibouti, [9]Federal Ministry of Health (Consultant), Khartoum, Sudan

5:30 p.m. 7618

DEVELOPMENTAL DYNAMICS OF CHROMOSOME-LEVEL 3D GENOME ARCHITECTURE IN *ANOPHELES* COLUZZII

Igor Sharakhov[1], Varvara Lukyanchikova[1], Ilya Brusentsov[2]
[1]Virginia Tech, Blacksburg, VA, United States, [2]Institute of Cytology and Genetics, Novosibirsk, Russian Federation

Symposium 96

American Committee of Molecular, Cellular and Immunoparasitology (ACMCIP) Symposium II: Trager, Trainees and Take-Off!

Convention Center - Room 353 (3rd Floor)
Friday, November 15, 4 p.m. - 5:45 p.m.

ACMCIP has bestowed the William Trager Award for Basic Parasitology since 2015. The award recognizes a fundamental breakthrough in molecular, cellular, or immunoparasitology. The Trager & Trainee Awardees Symposium exists to celebrate the present excellence, as well as highlight the bright future of molecular, cellular, and immunoparasitology research. This symposium will highlight the scientific work of the Trager awardee, along with the work of trainee and up-and-coming investigators in ACMCIP-related research. These include an ACMCIP Young Investigator awardee who works in parasitology and the ACMCIP Trainee 3-minute thesis competition winners. #Trainee #EarlyCareer #Immunology #CellBiology #MolecularBiology

CHAIR
Scott E. Lindner
Pennsylvania State University, University Park, PA, United States

4 p.m.
INTRODUCTION OF WILLIAM TRAGER AWARD FOR BASIC PARASITOLOGY RECIPIENT
Dyann Wirth
Harvard T.H. Chan School of Public Health, Boston, MA, United States

4:05 p.m.
WILLIAM TRAGER AWARD FOR BASIC PARASITOLOGY: SCALABLE FUNCTIONAL ANALYSIS OF AN APICOMPLEXAN GENOME
Sebastian Lourido
MIT/Whitehead Institute, Boston, MA, United States

4:30 p.m.
INTRODUCTION OF 3-MINUTE THESIS WINNERS
Scott E. Lindner
Pennsylvania State University, University Park, PA, United States

4:35 p.m.
3MINUTE THESIS: EFFECTS OF MODERATE MALNUTRITION DURING PREGNANCY ON NEONATAL IMMUNITY TO MALARIA: A TOM & JERRY TALE
Robert Onjiko
Appalachian State University, Boone, NC, United States

4:40 p.m.
3MINUTE THESIS: UNDERSTANDING THE ROLE OF GENETIC DIVERSITY IN THE MALARIA VACCINE CANDIDATE PFRH5
Alyssa Agarwal
Yale School of Public Health, New Haven, CT, United States

4:45 p.m.
3MINUTE THESIS: 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
Derrick N. Nebangwa
University of Buea, Buea, Cameroon

4:50 p.m.
INTRODUCTION OF TAKE-OFF AWARD IN PARASITOLOGY RESEARCH RECIPIENT
Phillip Scott
University of Pennsylvania, Philadelphia, PA, United States

4:55 p.m.
TAKE-OFF AWARD IN PARASITOLOGY RESEARCH: HYPOXIA AND T CELLS IN CUTANEOUS LEISHMANIASIS
Fernanda O. Novais
Ohio State University, Columbus, OH, United States

5:05 p.m.
ANNUAL BUSINESS MEETING
Amanda Lukens
Broad Institute, Cambridge, MA, United States

5:25 p.m.
NETWORKING RECEPTION

Symposium 97

Understanding Bat Virus Spillovers to Inform Pandemic Prevention: From Evidence to Policy

Convention Center - Room 354/355 (3rd Floor)
Friday, November 15, 4 p.m. - 5:45 p.m.

In the wake of the COVID-19 pandemic, significant global attention has been directed toward reducing the risk and impact of future pandemics. Large investments are being made to develop vaccines and therapeutics for rapid deployment. In addition, progress has been made in proposing and implementing frameworks for One Health surveillance systems, designed to monitor transmission of pathogens in humans, livestock and wildlife to enable fast outbreak detection. It is also important to understand the interphases and divers of zoonotic spillover and also target these as part of prevention. These are all important goals, but they do not directly address primary pandemic prevention. Our understanding of how to best prevent spillovers – the sparks that starts every pandemic – remains inadequate. There are many good reasons that spillover detection and prevention has received less attention than other pandemic mitigation efforts. There is no clear consensus about the best way to identify spillovers, and regardless of the method proposed, finding spillovers can take

considerable resources. However, if we can find spillovers, we can study them, and identify both the proximal and distal causes, leading to possibilities for prevention. Many of the pathogens that pose the highest risk for spillover into humans and other animals are viruses that originate in bats – including Ebola, Marburg, Nipah, Hendra, and SARS-like coronaviruses. Numerous mysteries remain about how and why these viruses continue to spillover, and to address this we must first understand what is known about them and consider what we can do to learn more. The Lancet launched a new commission in the fall of 2023 on prevention of viral spillover, bringing together scientists with a wide range of experience to consider what should be done about the threat of viral spillover and how policy can be used to mitigate risk. This symposium will bring together speakers working to better understand and prevent viral spillover, including late breaking efforts to understand what is currently known about bat virus spillovers, field studies using serologic cohorts to uncover spillover pathways, and global efforts to catalyze viral spillover prevention through research and policy. During the panel discussion, speakers and the audience will engage in conversations about the barriers to action for prevention of pandemics at the source and charting a pathway forward. #EmergingDiseaseThreats #InfectiousDisease #Epidemiology #EcologicalStudies #FieldStudies

CHAIR

Emily S. Gurley
Johns Hopkins Bloomberg School of Public Health, Baltimore, MD, United States

4 p.m.
INTRODUCTION

4:10 p.m.
THE BAT VIRUS SPILLOVER EVIDENCE COMPENDIUM (BAT-COM): WHAT WE KNOW, AND DON'T KNOW, ABOUT THE MOST IMPORTANT BAT ZOONOSES

Clif McKee
Johns Hopkins Bloomberg School of Public Health, Baltimore, MD, United States

4:30 p.m.
USING SEROLOGIC COHORTS TO UNCOVER BAT VIRUS SPILLOVERS INTO PERI-DOMESTIC ANIMALS AND LIVESTOCK IN BANGLADESH

Ausraful Islam
icddr,b, Dhaka, Bangladesh

4:50 p.m.
THE LANCET/PPATS COMMISSION ON PREVENTION OF VIRAL SPILLOVER

Raina Plowright
Cornell University, Ithaca, NY, United States

5:10 p.m.
THE ROLE OF COORDINATED GLOBAL EFFORTS IN PREVENTING VIRAL SPILLOVER

Wanda Markotter
University of Pretoria, Pretoria, South Africa

Meet the Professors Session 98

Meet the Professors: Challenges in Diagnosis and Management of Clinical Tropical Medicine

Convention Center - Room 356 (3rd Floor)
Friday, November 15, 4 p.m. - 5:45 p.m.

Meet the Professors sessions are valuable learning experiences for trainees and practicing clinicians to hear about clinical reasoning from leaders in the field. In this session, Dr. Yansouni will demonstrate the challenges and considerations of using laboratory results, and Dr. Showler will discuss complications resulting from treatment of parasitic infections.

SESSION ORGANIZER

Daniel Leung
University of Utah, Salt Lake City, UT, United States

SESSION CHAIR

Aisha Khatib
University of Toronto, Toronto, ON, Canada

PRESENTATION #1

Adrienne Showler
Georgetown University Hospital, Washington, DC, United States

PRESENTATION #2

Cedric P. Yansouni
McGill University, Montreal, QC, Canada

Scientific Session 99

Measures for Control and Elimination of Neglected Tropical Diseases II

Convention Center - Room 357 (3rd Floor)
Friday, November 15, 4 p.m. - 5:45 p.m.

#Epidemiology #Elimination #InfectiousDisease #Diagnostics

CHAIR

Teshome Gebre Kanno
International Trachoma Initiative, The Task Force for Global Health, Addis Ababa, Ethiopia

María Díaz de León Derby
University of California, Berkeley, Berkeley, CA, United States

4 p.m. **7619**

TOWARDS THE DEVELOPMENT OF A RAPID URINE-BASED DIAGNOSIS OF BURULI ULCER USING COMPUTATIONAL METHODS

Erica A. Akanko[1], Clement Agoni[2], Samuel K. Kwofie[3], Michael D. Wilson[1]
[1]Noguchi Memorial Institute for Medical Research, Accra, Ghana, [2]University of KwaZulu Natal, Durban, South Africa, [3]Department of Biomedical Engineering, University of Ghana, Accra, Ghana

4:15 p.m. 7620

EVALUATING VECTOR CONTROL STRATEGIES FOR DENGUE: A MODELLING ASSESSMENT OF ALTERNATIVE APPROACHES

Maile B. Thayer, Kristyna Rysava, Forrest Jones, Sarah Kada, Laura E. Adams, Ryan Hemme, Gabriela Paz-Bailey, Michael A. Johansson
Centers for Disease Control and Prevention, San Juan, Puerto Rico

4:30 p.m. 7621

EVALUATING A PRACTICAL PERSON-CENTRED HEALTH SYSTEMS INTERVENTION TO ADVANCE JUSTICE AND INCLUSION FOR PERSONS AFFECTED BY SKIN NTDS IN LIBERIA

Emerson Rogers[1], Rosalind McCollum[2], Tia Akpan[3], Carrie Barrett[2], Hannah Berrian[4], Shahreen Chowdhury[2], India Hotopf[2], Jerry Kollie[4], Karsor Kollie[1], Julie Irving[2], Colleen Parker[1], Maneesh Phillip[5], Joanna Raven[2], Maaike Seekles[2], John Solunta Smith Jr.[4], Wede Tate[4], Sally Theobald[2], Rachael Thomson[2], Anna Wickenden[5], Zeela Zaizay[6], Laura Dean[2]
[1]Ministry of Health, Monrovia, Liberia, [2]Liverpool School of Tropical Medicine, Liverpool, United Kingdom, [3]American Leprosy Missions (ALM), Greenville, SC, United States, [4]UL-PIRE Africa Center, Monrovia, Liberia, [5]Effect Hope, Ontario, ON, Canada, [6]Actions Transforming Lives (ACT), Monrovia, Liberia

4:45 p.m. 7622

SPATIOTEMPORAL EVALUATION OF THE 2016-2022 MASS DRUG ADMINISTRATION FOR LYMPHATIC FILARIASIS IN KENYA: TOWARDS IDENTIFYING NEVER TREATED POPULATIONS

Robert O. Ofwete[1], Michael O. Ofire[1], Wyckliff Omondi[2], Irene Chami[3], Paul Kibati[2], Ivy Sempele[4]
[1]Amref Health Africa, Nairobi, Kenya, [2]Ministry of Health, Nairobi, Kenya, [3]END Fund, Nairobi, Kenya, [4]END Fund, New York, NY, United States

5 p.m. 7623

USE OF THE COMMUNITY-DIRECTED TREATMENT WITH IVERMECTIN PLATFORM TO ESTIMATE LYMPHATIC FILARIASIS MORBIDITY IN THE CO-ENDEMIC HEALTH DISTRICTS

Carine Fokam[1], Clarisse Ebene[2], Georges NKO'Ayissi[3], Pierre Nbendah[1], Benoit Dembele[4], Ernest Mensah[5], Patricia Houck[6], Yaobi Zhang[6], Steven D. Reid[6], Angela Weaver[6]
[1]Helen Keller International, Yaounde, Cameroon, [2]Ministry of Public Health, PNLO, New York, NY, United States, [3]Ministry of Public Health, NTD Coordination Unit, Yaounde, Cameroon, [4]Helen Keller International, Office for Africa, Dakar, Senegal, [5]FHI 360, Office for Africa, Accra, Ghana, [6]Helen Keller International, New York, NY, United States

5:15 p.m. 7624

NTDSCOPE: A MULTIMODAL PORTABLE MICROSCOPE FOR DISEASE DIAGNOSIS

María Díaz de León Derby[1], Zaina L. Moussa[1], Carlos F. Ng[1], Joana P. Cabrera[1], Dipayan Banik[2], Charles B. Delahunt[2], Linda Djune Yemeli[3], Victor Pahl[4], Saskia D. Davi[5], Jaime Garcia-Villena[6], Elena Dacal[6], David Bermejo-Peláez[6], Daniel Cuadrado[6], Miguel Luengo-Oroz[6], Isaac I. Bogoch[7], Rella Zoleko Manego[8], Michael Ramharter[5], Hugues C. Nana Djeunga[3], Joseph Kamgno[3], Matthew D. Keller[2], Anne-Laure Le Ny[2], Neil A. Switz[9], Daniel H. Friedman[1], Michael V. D'Ambrosio[1], Daniel A. Fletcher[1]
[1]University of California, Berkeley, Berkeley, CA, United States, [2]Global Health Labs, Bellevue, WA, United States, [3]Higher Institute for Scientific and Medical Research (ISM), Yaoundé, Cameroon, [4]Bernhard-Nocht Institute of Tropical Medicine, Centre de Recherches Médicales de Lambaréné (CERMEL), Hamburg, Germany, [5]Center for Tropical Medicine Bernhard Nocht Institute for Tropical Medicine & I Dept. of Medicine University Medical Center, Hamburg, Germany, [6]Spotlab, Madrid, Spain, [7]University Health Network (UHN) University of Toronto, Toronto, ON, Canada, [8]Centre de Recherches Médicales de Lambaréné (CERMEL), Lambaréné, Gabon, [9]San José State University, San José, CA, United States

5:30 p.m. 7625

EVALUATING TRACHOMA TRENDS IN THE AMHARA REGION, ETHIOPIA: INSIGHTS FROM THE MOST RECENT 163 POPULATION-BASED SURVEYS, 2015-2023

Eshetu Sata[1], Tania A. Gonzalez[2], Zebene Ayele[1], Fikre Seife[3], Mohammed F. Shaka[1], Ambahun Chernet[1], Nicholas A. Presley[2], Demelash Gessese[1], Ayalew Shiferaw[1], Kimberly A. Jensen[2], Gizachew Yismaw[4], Taye Zeru[4], Berhanu Melak[1], Fetene Mihretu[1], Zerihun Tadesse[1], E. Kelly Callahan[2], Scott D. Nash[2]
[1]The Carter Center, Addis Ababa, Ethiopia, [2]The Carter Center, Atlanta, GA, United States, [3]Ministry of Health, Addis Ababa, Ethiopia, [4]Amhara Public Health Institute, Bahir Dar, Ethiopia

Symposium 100

Innovative Local Solutions and Novel Data Use Toward Last Mile Efforts in Eliminating Neglected Tropical Diseases

Convention Center - Room 388/389 (3rd Floor)
Friday, November 15, 4 p.m. - 5:45 p.m.

Around the world, countries strive to eliminate or control diseases such as Lymphatic Filariasis (LF), Trachoma, Onchocerciasis, Schistosomiasis (SCH) and Soil Transmitted Helminths (STH). Countries endemic for these diseases collect routine monitoring and outcome data for their Mass Drug Administration (MDA) campaigns and Disease Specific Assessment (DSA) surveys. However, as national programs approach elimination, they are finding traditional monitoring and evaluation insufficient to understand why some areas do not meet elimination thresholds. Efforts required to move these areas toward elimination are often referred to as the 'Last Mile'. This session presents diverse examples of how governments and their partners leverage novel approaches to solve Last Mile challenges. The first talk presents the ESPEN IU Planner, an innovative solution to monitor funding availability for MDA and survey activities at the implementing unit level. The tool uses data from the WHO Joint application package while also allowing implementing partners (IPs) and donors to input their support. The tool aims to monitor potential funding gaps and facilitate coordination across governments, partners and donors. The second presentation outlines the use of Ripple Effects Mapping to generate qualitative evidence to understand progress toward trachoma elimination in the last remaining endemic districts in Uganda. The method was selected to better assess the influence of a gender equity and social inclusion activity on behaviour change. The third speaker will share experiences using Virtual Direct Observed Therapy (VDOT) to address known MDA challenges in Haiti. The VDOT approach was selected to address reasons reported by those refusing treatment in previous MDA campaigns. The fourth speaker will share lessons from Sierra Leone with persistent challenges in rural hotspot districts. The national NTD program shifted from district to sub-district-level coverage analysis across 14 districts, integrated with the use of a supervisor's coverage tool during MDA. This innovative data collection and analysis significantly enhanced program implementation, resulting in a reduction of hotspot districts from six to just one. The final speaker will present an analysis of MDA Never Treated (NT) Populations in six West African countries. The NT populations are speculated to be a potential reservoir

of ongoing infection and so are analysed in terms of their characteristics to better target future MDAs. Sampled villages with high proportions of NT populations are plotted on a map to see if they are geographically clustered in inaccessible, insecure or border areas. Data on both Never Treated and SCH infection are used to test if NT populations are a potential reservoir of ongoing transmission. #Elimination #InfectiousDisease #Prevention

CHAIR

Whitney Goldman
RTI International, Durham, NC, United States

Diana Stukel
FHI360, Washington, DC, United States

4 p.m.
INTRODUCTION

4:10 p.m.
A DIGITAL PLATFORM FOR MONITORING THE IMPLEMENTATION OF PC-NTD INTERVENTIONS: THE ESPEN IU PLANNER

Jorge Cano
WHO-AFRO/ESPEN, Brazzaville, Republic of the Congo

4:30 p.m.
USING RIPPLE EFFECTS MAPPING TO EVALUATE HOW A COMMUNITY-BASED INTERVENTION STRATEGY HAS CONTRIBUTED TO PROGRESS TOWARDS TRACHOMA ELIMINATION IN "LAST MILE" DISTRICTS IN UGANDA

Emmanuel Ssegawa
WI-HER, LLC, Vienna, VA, United States

4:50 p.m.
LEVERAGING VIRTUAL DIRECT OBSERVED THERAPY TO STRENGTHEN MASS DRUG ADMINISTRATION COMPLIANCE IN HAITI

Alain Javel
RTI International, Durham, NC, United States

5:10 p.m.
SUB-DISTRICT MDA DATA COLLECTION AND ANALYSIS INTEGRATED WITH THE SUPERVISORS' COVERAGE TOOL FOR IMPROVED PROGRAM IMPLEMENTATION

Victoria Turay
Helen Keller International, Freetown, Sierra Leone

5:30 p.m.
UNRAVELLING THE MYSTERY OF NEVER TREATED POPULATIONS: AN INVESTIGATION USING RESULTS FROM SURVEYS ACROSS SIX WEST AFRICAN COUNTRIES

Diana Stukel
FHI360, New York, NY, United States

Scientific Session 101

Malaria: Vaccines and Immunotherapeutics

Convention Center - Room 391/392 (3rd Floor)
Friday, November 15, 4 p.m. - 5:45 p.m.

#Vaccinology #Immunology #HostResponse #TranslationalScience #InfectiousDisease

CHAIR

Mariama Nicole Pouye
Institut Pasteur Dakar, Dakar, Senegal

Matthew Laurens
University of Maryland School of Medicine, Baltimore, MD, United States

4 p.m. **7626**

MULTISTAGE PROTECTIVE ANTI-CELTOS MONOCLONAL ANTIBODIES WITH CROSS-SPECIES STERILE PROTECTION AGAINST MALARIA

Wai Kwan Tang[1], Nichole D. Salinas[1], Surendra Kumar Kolli[2], Shulin Xu[2], Darya Urusova[2], Hirdesh Kumar[1], John R. Jimah[1], Pradeep Annamalai Subramani[2], Madison S. Ogbondah[2], Samantha J. Barnes[2], John H. Adams[2], Niraj H. Tolia[1]
[1]National Institutes of Health, Bethesda, MD, United States, [2]University of South Florida, Tampa, FL, United States

4:15 p.m. **7627**

EX VIVO RESPONSES OF *PLASMODIUM FALCIPARUM* CLINICAL ISOLATES TO MABS DIRECTED AGAINST PFRH5, PFCYRPA AND PFRIPR

Mariama N. Pouye[1], Laty G. Thiam[1], Aboubacar Ba[1], Noemi Guerra[2], Kelly Hagadorn[2], Barney Williams[3], Kirsty McHugh[3], Dimitra Pipini[3], Seynabou D. Sene[1], Alioune Wade[1], Alassane Mbengue[1], Alan Cowman[4], Simon J. Draper[3], Amy K. Bei[2]
[1]G4-Malaria Experimental Genetic Approaches & Vaccines, Pôle Immunophysiopathologie et Maladies Infectieuses, Institut Pasteur de Dakar, Dakar, Senegal, [2]Department of Epidemiology of Microbial Diseases, Yale School of Public Health, New Haven, CT, United States, [3]Department of Biochemistry, University of Oxford, Oxford, United Kingdom, [4]The Walter and Eliza Hall Institute of Medical Research, Parkville, Victoria, Australia

4:30 p.m. **7628**

PROTECTION OF INDONESIAN SOLDIERS AGAINST HIGHLY VARIANT *PLASMODIUM FALCIPARUM* INFECTION IN PAPUA PROVINCE, INDONESIA, BY TWO PFSPZ VACCINES

Erni J. Nelwan[1], Thomas L. Richie[2], Krisin Chand[3], Khoriah Indrihutami[3], Agus Rachmat[3], Mei-Chun Chen[2], Decy Subekti[3], Rizka Fahmia[3], Mutia Rahardjani[3], Fitri Wulandari[3], Lenny L. Ekawati[3], Marillyn M. Tamburian[3], Tooba Murshedkar[2], Yonas Abebe[2], Natasha KC[2], Eric R. James[2], Diana Perez[2], Peter F. Billingsley[2], Iqbal RF Elyazar[3], Sky T. Chen[4], Chloe Lin[4], Yogi Ertanto[5], Waras Budiman[6], Joana C. Silva[7], B. Kim Lee Sim[2], I. Madi Mardika[8], Rintis Noviyanti[9], Amin Soebandrio[1], J. Kevin Baird[3]
[1]Faculty of Medicine, University of Indonesia, Jakarta, Indonesia, [2]Sanaria Inc., Rockville, MD, United States, [3]Oxford University Clinical Research Unit Indonesia, Jakarta, Indonesia, [4]StatPlus Inc., Taipei, Taiwan, [5]Biology Vaccine Institute, Bandung, Indonesia, [6]Muhammadiyah University, Surabaya, Indonesia, [7]Institute for Genome Sciences, University of Maryland School of Medicine, Baltimore, MD, United States, [8]Gatot Soebroto Army Hospital, Jakarta, Indonesia, [9]EXEINS Health Initiative, Jakarta, Indonesia

4:45 p.m. **7629**

RH5.1/MATRIX-M™: EFFICACY OF A STANDALONE BLOOD-STAGE VACCINE AGAINST CLINICAL *P. FALCIPARUM* MALARIA IN 5-17 MONTH OLD CHILDREN: A PHASE 2B RANDOMIZED TRIAL IN BURKINA FASO

Hamtandi Magloire Natama[1], Jo Salk[2], Athanase Somé[1], Seyi Soremekun[2], Salou Diallo[1], ousmane Traore[1], Toussaint Rouamba[1], Florence Ouedraogo[1], Edouard Ouedraogo[1], Carine Sonia Daboné[1], Nadine Koné[1], Z. Mickael John Compaore[1], Miguel Kafando[1], Massa dit Achille Bonko[1], Fabe Konaté[1], Hermann Sorgho[1], Carolyn M Nielsen[2], Dimitra Pipini[2], Ababacar Diouf[3], Llyod D W King[1], Umesh Shaligram[4], Carole A Long[3], Kazutoyo Miura[3], Jee-Sun Cho[2], Alison Lawrie[2], Katherine Skinner[2], Rachel Roberts[2], John Bradley[5], Sarah Silk[2], Simon J Draper[2], Angela M Minassian[2], Halidou Tinto[1]
[1]Institut de Recherche en Sciences de la Santé, Ouagadougou, Burkina Faso, [2]University of Oxford, Oxford, United Kingdom, [3]National Institute of Health, Rockville, MI, United States, [4]Serum Institute of India, Pune, India, [5]London School of Hygiene & Tropical Medicine, London, United Kingdom

5 p.m.

7630

DEVELOPMENT OF A GLOBAL RESEARCH AGENDA TO GUIDE THE OPERATIONALIZATION AND SCALE-UP OF MALARIA VACCINES

Samuel Afari-Asiedu[1], Thomas Gyan[1], Annie Arnzen[2], Abraham Hodgson[1], Kim Lindblade[2], Cornelius Debpuur[1], **Kwaku Poku Asante**[1], Mary J. Hamel[3], Lindsey Wu[3], Stephen Sosler[4], Josea Rono[4], Rafiq Okine[3], Eliane Furrer[3], John Francis[3], Samantha Herrera[2]
[1]Kintampo Health Research Centre, Research and Development Division, Ghana Health Service, Kintampo, Ghana, [2]PMI Insights, PATH, Washington, DC, United States, [3]World Health Organization, Geneva, Switzerland, [4]Gavi, the Vaccine Alliance, Geneva, Switzerland

5:15 p.m.

7631

MALARIA VACCINE IN BURKINA FASO: SUCCESSES AND CHALLENGES OF THE FIRST TWO MONTHS

NOMWENDE CHRISTELLE NEYA/OUEDRAOGO[1], René Didace BAKOUAN[1], Inès DA[2]
[1]MINISTERE DE LA SANTE ET DE L'HYGIENE PUBLIQUE, OUAGADOUGOU, Burkina Faso, [2]JHPIEGO/Burkina Faso, OUAGADOUGOU, Burkina Faso

5:30 p.m.

Lightning Talks

(Lightning Talks are two-minute talks to highlight abstracts assigned to poster presentations.)

8070

STRAIN-TRANSCENDING ANTI-AMA1 HUMAN MONOCLONAL ANTIBODIES NEUTRALIZE MALARIA PARASITES INDEPENDENT OF DIRECT RON2L RECEPTOR BLOCKADE

Palak N. Patel[1], Ababacar Diouf[1], Thayne H. Dickey[1], Wai Kwan Tang[1], Christine S. Hopp[2], Boubacar Traore[3], Carole A. Long[1], Kazutoyo Miura[1], Peter D. Crompton[1], Niraj H. Tolia[1]
[1]National Institutes of Health, Bethesda, MD, United States, [2]Bernhard Nocht Institute for Tropical Medicine, Hamburg, Germany, [3]University of Sciences, Techniques and Technologies of Bamako, Bamako, Mali

8071

PRE-CLINICAL STUDY ON VIRAL-VECTORED *P. FALCIPARUM* MULTISTAGE VACCINE EFFECTIVE BOTH FOR PROTECTION AND TRANSMISSION-BLOCKADE IN RHESUS PRIMATES

Yutaro Yamamoto[1], Naho Shinmura[1], Wakaba Kanamura[1], Yuna Sato[1], Ammar Abdurrahman Hasyim[1], Kartika Hardianti Zainal[1], Takuto Katayama[1], Sora Niwa[1], Manaka Ono[1], Hibiki Naruse[1], Yuma Asaki[1], Iyori Mitsuhiro[2], Hiroaki Mizukami[3], Hisatoshi Shida[4], Tomoyuki Miura[4], Shigeto Yoshida[1]
[1]Kanazawa University, Kanazawa city, Japan, [2]Musashino University, Tokyo, Japan, [3]Jichi Medical University, Shimono, Japan, [4]Kyoto University, Kyoto, Japan

8076

GENOTYPIC INFECTION ENDPOINT ANALYSIS TO UNDERSTAND EFFICACY AND ESCAPE POTENTIAL OF THE MALARIA MONOCLONAL ANTIBODY CIS43LS

Philipp Schwabl[1], Amadou Niangaly[2], Jorge-Eduardo Amaya-Romero[1], Katrina Kelley[1], Gail Potter[3], Kassoum Kayentao[2], Peter D. Crompton[3], Daniel E. Neafsey[1]
[1]Harvard University, Boston, MA, United States, [2]University of Bamako, Bamako, Mali, [3]NIH, Rockville, MD, United States

8072

R21/MATRIX-M™PHASE III TRIAL: FURTHER FOLLOW-UP AND ASSESSMENT OF AN ADDITIONAL BOOSTER DOSE

Alassane Dicko[1], Mainga Hamaluba[2], Ally Olotu[3], Halidou Tinto[4], Jean-Bosco Ouédraogo[5], **Mehreen S. Datoo**[6], Emma Beaumont[7], John Bradley[7], Sandesh Bharati[8], Prasad S. Kulkarni[8], Umesh Shaligram[8], Adrian V S Hill[6], R21/Matrix-M Phase III Trial Group[9]
[1]Malaria Research and Training Centre, Department of Epidemiology of Parasitic Diseases, Faculty of Medicine, Pharmacy and Dentistry, University of Sciences, Techniques, and Technologies of Bamako, Bamako, Mali, [2]Kenya Medical Research Institute Centre for Geographical Medicine Research–Coast (KEMRI-CGMRC), Kilifi, Kenya, [3]Ifakara Health Institute, Bagamoyo Research and Training Centre, Bagamoyo, United Republic of Tanzania, [4]Unité de Recherche Clinique de Nanoro, Institut de Recherche en Sciences de la Santé, Nanoro, Burkina Faso, [5]Institut des Sciences et Techniques (INSTech), Bobo-Dioulasso, Burkina Faso, [6]Jenner Institute, University of Oxford, Oxford, United Kingdom, [7]London School of Hygiene & Tropical Medicine, London, United Kingdom, [8]Serum Institute of India Pvt. Ltd, Pune, India

8075

OFF-TARGET ANTIBODY RESPONSES TO BLOOD STAGE ANTIGENS ARE ASSOCIATED WITH CROSS-REACTIVE ANTIBODIES TO THE MAJOR AND MINOR REPEATS OF THE *PLASMODIUM FALCIPARUM* CIRCUMSPOROZOITE PROTEIN IN AFRICAN CHILDREN PARTICIPATING IN THE RTS,S VACCINE TRIALS

Luis M. Molinos-Albert[1], Didac Macia[2], Elisa Fuentes[1], Chenjerai Jairoce[3], Maximilian Mpina[4], David Dosoo[5], Alfons Jimenez[1], Marta Vidal[1], Ruth Aguilar[1], Ross L. Coppel[6], Ben Gyan[5], Claudia Daubenberger[7], Joe J. Campo[8], Gemma Moncunill[1], **Carlota Dobaño**[1]
[1]ISGlobal, Barcelona, Spain, [2]CIBER de Enfermedades Infecciosas, Barcelona, Spain, [3]Centro de Investigação em Saúde de Manhiça (CISM), Manhiça, Mozambique, [4]Ifakara Health Institute, Bagamoyo Research and Training Centre, Bagamoyo, United Republic of Tanzania, [5]Kintampo Health Research Centre, Kintampo, Ghana, [6]Infection and Immunity Program, Monash Biomedicine Discovery Institute, Department of Microbiology, Monash University, Melbourne, Australia, [7]Swiss Tropical and Public Health Institute, Basel, Switzerland, [8]Antigen Discovery, Inc (ADI), Irvine, CA, United States

Scientific Session 102

Malaria Epidemiology II: Challenges, Threats, and Solutions

Convention Center - Room 393/394 (3rd Floor)

Friday, November 15, 4 p.m. - 5:45 p.m.

#Elimination #ClimateChange #SocialScience #EmergingDiseaseThreats

CHAIR

Peter D. McElroy
CDC, Atlanta, GA, United States

Kristin Banek
Institute for Global Health and Infectious Diseases, University of North Carolina at Chapel Hill, Chapel Hill, NC, United States

4 p.m.

7632

IMPACT OF PREVENTION, DIAGNOSTIC AND TREATMENT OF SIMPLE MALARIA CASES BY COMMUNITY HEALTH WORKERS SUPERVISED BY MOBILE NURSES IN RURAL COMMUNITIES IN BURKINA FASO

Mahamadou BARRO[1], Frédéric NIKIEMA[2], Fabrice SOME[2], Serge SOMDA[3], Florence FOURNET[4], Alphonsine KOFFI[5], Jean GAUDART[6], Cédric PENNETIER[4], Roch DABIRE[2]
[1]Aix Marseille Univ, IRD, INSERM, SESSTIM, ISSPAM, 13005 Marseille, France and Institut de Recherche en Science de la Santé, IRSS, Bobo Dioulasso, Burkina Faso, [2]Institut de Recherche en Science de la Santé, IRSS, Bobo Dioulasso, Burkina Faso, [3]Unité de Formation et de Recherche en Sciences Exactes Appliquées, Université NAZI-BONI, Bobo Dioulasso,

Burkina Faso, [4]MIVEGEC, IRD, CNRS, Université de Montpellier, Montpellier, France, [5]Institut Pierre Richet (IPR), Institut National de Santé Publique (INSP), Bouaké, Côte D'Ivoire, [6]Aix Marseille Univ, IRD, INSERM, SESSTIM, ISSPAM, 13005 Marseille, France and AP-HM, Hop La Timone, BioSTIC, Biostatistic and ICT unit, 13005 Marseille, France, Marseille, France

4:15 p.m. **7633**

DIFFERENTIAL IMPACT OF INSECTICIDE TREATED NETS AGAINST MALARIA: A META-ANALYSIS AND MODELLING STUDY OF CLUSTER-RANDOMIZED CONTROLLED TRIALS IN AFRICA

Dominic P. Dee[1], Joseph Biggs[2], Joseph D. Challenger[1], Isaac J. Stopard[1], Ellie Sherrard-Smith[1], Jackie Cook[2], Thomas S. Churcher[1]
[1]Imperial College London, London, United Kingdom, [2]London School of Hygiene & Tropical Medicine, London, United Kingdom

4:30 p.m. **7634**

REAL-LIFE *PLASMODIUM VIVAX* MALARIA IN CAMBODIA: A UNIQUE STUDY DESIGN TO CHARACTERIZE *IN VIVO* RELAPSES

Dynang Seng[1], Virak Eng[1], Sitha Sin[1], Sokleap Heng[1], Agnes Orban[1], Malen Ea[1], Sophy Chy[1], Nimol Khim[1], Benoit Witkowski[1], Claude Flamand[2], Dysoley Lek[3], David Serre[4], Jean Popovici[5]
[1]Malaria Research Unit, Institut Pasteur du Cambodge, Phnom Penh, Cambodia, [2]Epidemiology Unit, Institut Pasteur du Cambodge, Phnom Penh, Cambodia, [3]National Center for Parasitology, Entomology and Malaria Control, Phnom Penh, Cambodia, [4]University of Maryland, Baltimore, MD, United States, [5]Malaria Research Unit, Institut Pasteur du Cambodge, Phnom Penh, Cambodia ; Infectious Disease Epidemiology and Analytics, Institut Pasteur, Paris, France

4:45 p.m. **7635**

MALARIA CONTROL AND VACCINATION IN THE CONTEXT OF TROPICAL CYCLONES

Benjamin Rice[1], Estelle Raobson[2], Sylviane Miharisoa[3], Joseph Lewinski[4], Amy Wesolowski[5], C. Jessica E. Metcalf[1]
[1]Princeton University, Princeton, NJ, United States, [2]University of Antananarivo, Antananarivo, Madagascar, [3]Institut Pasteur de Madagascar, Antananarivo, Madagascar, [4]Catholic Relief Services, Baltimore, MD, United States, [5]Johns Hopkins Bloomberg School of Public Health, Baltimore, MD, United States

5 p.m. **7636**

EMPATHY AND SHARED COMPASSION IN MALARIA CARE: A RAPID ETHNOGRAPHIC STUDY OF PROVIDER EMOTIONAL RESPONSE IN UGANDA

Anna Passaniti[1], Leonard Bufumbo[2], Suruchi Sood[1], Pallen Mugabe[2], Musa Kimbowa[2], Elli Leontsini[3], Jane Alaii[4], Pearl Kobusingye[2], Arzum Ciloglu[1], Glory Mkandawire[2], Joel Kisubi[5], Sheila Nyakwezi[5], Jimmy Opigo[6], Sharminah Kawuma[7], Richard Kabanda[7], Judith Nalukwago[2]
[1]Johns Hopkins University Center for Communication Programs, Baltimore, MD, United States, [2]Johns Hopkins University Center for Communication Programs, Kampala, Uganda, [3]Johns Hopkins Bloomberg School of Public Health, Baltimore, MD, United States, [4]Simba Educational Consultants, Kampala, Uganda, [5]US President's Malaria Initiative, USAID, Kampala, Uganda, Kampala, Uganda, [6]National Malaria Control Division, Ministry of Health, Kampala, Uganda, Kampala, Uganda, [7]Department of Health Promotion, Education and Communication, Ministry of Health, Kampala, Uganda, Kampala, Uganda

5:15 p.m. **7637**

TREATMENT-SEEKING BEHAVIOR FOR FEVER IN KINSHASA, DRC: A LONGITUDINAL STUDY

Kristin Banek[1], Samuel J. White[1], Melchior Mwandagalirwa Kashamuka[2], Joseph Losoma Atibu[2], Georges Emo Mahilu[2], Joseph A. Bala[2], Georges Kihuma[2], Marthe Nkalani[2], Tommy Nseka Mambulu[2], Jonathan B. Parr[1], Jonathan J. Juliano[1], Antoinette Kitoto Tshefu[2]
[1]University of North Carolina at Chapel Hill, Chapel Hill, NC, United States, [2]Ecole de Santé Publique, University of Kinshasa, Kinshasa, Democratic Republic of the Congo

5:30 p.m. **7638**

MAINTAINING POWER IN MALARIA CLUSTER RANDOMIZED TRIALS USING INNOVATIVE DESIGNS TO MITIGATE THE IMPACT OF HETEROGENEITY

Joseph Biggs[1], Joseph D. Challenger[2], Dominic P. Dee[2], Thomas S. Churcher[2], Jackie Cook[1]
[1]London School of Hygiene & Tropical Medicine, London, United Kingdom, [2]Imperial College London, London, United Kingdom

Symposium 103

Building Sustainable and Resilient Health System in the Context of Public Health Crisis and Insecurity: Lessons Learned from National NTD and HIV/AIDS Programs in Four African Countries

Convention Center - Room 395/396 (3rd Floor)
Friday, November 15, 4 p.m. - 5:45 p.m.

Over the past years, the West and Central African region has recorded unprecedented shocks including infectious disease outbreaks, insecurity, armed conflicts, and political unrest. According to the UNHCR 2022 report, over 11.2 million people in West and Central Africa were forcibly displaced and stateless, of which 7.8 million were internally displaced and 1.6 million were refugees and asylum-seekers who require humanitarian assistance. This significant demographic migration has resulted in the increased number of Hard-to-Reach Populations (HRP). In areas with high density of HRP, access to health care interventions can be challenging as these vulnerable groups are often missed by interventions delivered throughout the health system. For instance, insurgent activities in the northern provinces of Cameroon and the Sahelian region of Burkina Faso, Niger, and Mali have disrupted mass drug administration (MDA) and surveillance activities in many districts. This situation has threatened the progress made by NTDs programs to control and elimination of NTDs. Despite these challenges, NTD Programs have managed to adapt plans to continue to serve their communities and reach the control and elimination milestones. For example, the WHO has validated Mali as having eliminated trachoma as a public health problem. Senegal and Niger have interrupted onchocerciasis transmission and Cameroon has rolled out trachoma impact surveys in insecure areas in its Far North region. The COVID-19 pandemic has increased disruption to the delivery of public health interventions for several national programs in Africa, highlighting the need for resilient African health systems. In Senegal, the HIV program outlined the elimination of mother-to-child transmission

(MTC) in its strategic plan. In 2017, 57% of the regions in Senegal had reached a level of MTC rate below the threshold of 3% (programmatic goal); in 2020, with the occurrence of COVID-19, the number of regions below the threshold of 3% decreased to 40%. Several mitigation plans were developed by the HIV program, and this has led to further reduction of MTC rate at the national level with only 3 regions (21%) recording a MTC rate higher than 3% in 2022. This symposium will aim to discuss strategies and innovative approaches developed by national NTDs and HIV/AIDS programs to mitigate the effect of unexpected threats such as infectious disease outbreaks, disruptive socio-political environment, and insecurity on public health interventions. Presenters will discuss how sustainability approach and the operationalization of cross sectorial approaches is contributing to enhancing contribution of other government agencies and national stakeholders to sustaining program gains in context of uncertainty and resource constraints. #Elimination #FieldStudies #InfectiousDisease #SocialScience

CHAIR

Justin Tine
FHI360, Accra, Ghana

Aimee Desrochers
Helen Keller, Glasgow, United Kingdom

4 p.m.
INTRODUCTION

4:10 p.m.
INTRODUCTORY SESSION - DISEASE OUTBREAKS AND INSECURITY IN WEST AND CENTRAL AFRICA: OVERVIEW OF THE LANDSCAPE AND CHALLENGES FOR DELIVERY OF PUBLIC HEALTH INTERVENTIONS

Justin Tine
FHI360, Acrra, Ghana

4:20 p.m.
IMPLEMENTATION OF TRACHOMA SURVEYS IN SECURITY-COMPROMISED DISTRICTS IN NORTHERN CAMEROON

Florine Keumeni
Helen Keller Intl, Yaounde, Cameroon

4:35 p.m.
LEVERAGING COMMUNITY HEALTH PLATFORM AND "NDEYE DICKE" (MOTHER MENTOR) STRATEGY TO INCREASE PROGRAM COVERAGE IN DISRUPTIVE CONTEXT

Cheikh Tidiane Ndour
Ministry of health and social Action, Dakar, Senegal

4:50 p.m.
ENHANCED EQUITY TO ACCESS TO TRACHOMA PREVENTION THROUGH IMPLEMENTATION OF MDA IN REFUGEES' CAMPS

Sita Hamadou
Helen Keller Intl, Niamey, Niger

5:05 p.m.
COMMUNITY DRIVEN APPROACHES APPLYING COMMUNITY DIALOGUES TO UNDERSTAND HESITANCY TO TAKE NTD PREVENTATIVE MEDICINES AND ENHANCE TREATMENT COVERAGE IN POST EBOLA AND COVID-19 SETTING

Gandi Kallon
Helen Keller Intl, Freetown, Sierra Leone

Special Session 104

Establishing Careers Internationally

Convention Center - Room 390 (3rd Floor)
Friday, November 15, 4 p.m. - 5:45 p.m.

This is a networking and strategy meeting tailored towards students and early career professionals working in medicine, research and other scientific endeavors. This session will discuss the particular needs of those from low- and middle-income countries who have trained abroad in technologically-advanced countries and want to plan for a move back to their home countries. Ideally suited to participants from sub-Saharan and North Africa, Latin America and relevant Asian countries. Effective strategies for planning a return trip home will be discussed. Participants are expected to help move the discussion along as this is an opportunity to share and learn from one another. The session will feature a speaker and discussion facilitator and participants will have the opportunity to discuss ideas in small groups led by scientists who have successfully repatriated to LMIC countries.

CHAIR

Yazoume Ye
CESMEL Health, Bowie, MD, United States

Break

Friday, November 15, 5:45 p.m. - 6:15 p.m.

Special Session 105

Speed-Networking with the Experts

Convention Center - Room 383/384/385 (3rd Floor)
Friday, November 15, 6:15 p.m. - 8 p.m.

Please note that this meeting is limited to those who pre-registered for the event.

The annual Speed-Networking session is organized by the Trainee Membership Committee and the five ASTMH subgroups: ASTMH Committee on Global Health (ACGH), the American Committee on Clinical Tropical Medicine and Travelers' Health (ACCTMTH/Clinical Group), the American Committee of Medical Entomology (ACME), the American Committee on Arthropod-Borne and Zoonotic Viruses (ACAV) and the American Committee of Molecular, Cellular and Immunoparasitology (ACMCIP). The session is designed to facilitate interactions between senior scientists, physicians and trainees in an informal setting in order to provide an array of important information on possible career paths in tropical medicine. During this session, students and young

career scientists will have an opportunity to briefly meet experts who represent each of the subgroup fields, including scientists in global health, clinicians, epidemiologists, entomologists and basic research scientists. Experts will have a broad range of career experiences working in international posts, policy, federal government, and the military, among others. Experts will share information with students about their career choices, trajectories, challenges along the way, and how they see their work fitting into the larger tropical medicine arena. Students in this session will be designated to a subgroup to match their interests and current educational paths.

CHAIR

Rachel Lange
SUNY at Albany School of Public Health, Albany, NY, United States

Teresia Njoroge
Indiana University, Indianapolis, IN, United States

Winter Okoth
Rutgers, State University of New Jersey, New Brunswick, NJ, United States

Claudia Rohr
Medical College of Wisconsin, Milwaukee, WI, United States

Daniel Sprague
Medical University of South Carolina, Charleston, SC, United States

Hannah Steinberg
University of Illinois Chicago, Chicago, IL, United States

Akilah Stewart
Indiana University School of Medicine, South Bend, IN, United States

Hendrik Sy
Montefiore Medical Center/Albert Einstein College of Medicine, Bronx, NY, United States

Camila C. Tompkins
Arizona State University, Tempe, AZ, United States

Sponsored Symposium

Professor Dominic Kwiatkowksi - Science and Legacy

Sponsored by the Bill & Melinda Gates Foundation

Convention Center - Room 388/389 (3rd Floor)
Friday, November 15, 6:15 p.m. - 8 p.m.

See page 55 for information.

Saturday, November 16

Registration

Convention Center - Lobby J (1st Floor)
Saturday, November 16, 7 a.m. - 5 p.m.

Speaker Ready Room (Closed 1 p.m. - 2 p.m.)

Convention Center - Room 387 (3rd Floor)
Saturday, November 16, 7 a.m. - 5 p.m.

TropStop -Student/Trainee Lounge

Convention Center - Room 346/347 (3rd Floor)
Saturday, November 16, 7 a.m. - 5 p.m.

This casual setting, designed with students, trainees and residents in mind (coffee, internet), is your place for a break from the fast pace of the meeting and relax with colleagues and friends. Check out the Career Chats, held in the TropStop. This will be your opportunity to meet professionals in the fields of tropical medicine and global health who will share their personal career paths and answer your questions about the various bumps and forks in the road.

Meeting Sign-Up Room

Hilton – Norwich Room and Windsor Room (3rd Floor)
Saturday, November 16, 7 a.m. - 7 p.m.

Nursing Mothers Room

Convention Center – Office I120 and Office J121 (1st Floor)
Saturday, November 16, 7 a.m. - 7 p.m.

Prayer Room

Convention Center - Room 342 (3rd Floor)
Saturday, November 16, 7 a.m. - 7 p.m.

ASTMH Presidents Meeting

Convention Center - Room 399 (3rd Floor)
Saturday, November 16, 7 a.m. - 8 a.m.

Diploma Course Certification Committee Meeting

Hilton - Marlborough B (2nd Floor)
Saturday, November 16, 7 a.m. - 8 a.m.

Scientific Program Committee Meeting

Convention Center - Room 397/398/399 (3rd Floor)
Saturday, November 16, 7 a.m. - 8 a.m.

Press Room

Convention Center - Room 340 (3rd Floor)
Saturday, November 16, 7:45 a.m. - 5 p.m.