

World Malaria Day 2019 Poster List

FIRST POSTER SESSION – LUNCH

- 1. ClinEpiDB: The Clinical Epidemiology Database Resource**
Cristina Aurrecochea¹, John Brestelli², Brian P. Brunk², Dave Falke¹, Danica Helb², John Judkins², Jessica C. Kissinger¹, Brianna Lindsay², David S. Roos², Sheena Shah Tomko², Christian J. Stoeckert, Jr², Jie Zheng²
¹University of Georgia, Athens, GA 30602, USA, ²University of Pennsylvania, Philadelphia, PA 19104, USA
- 2. Towards Malaria Elimination: Development and Roll-Out of a Surveillance System for Malaria Elimination in South Africa, 2018**
Ednah Baloyi¹, Mbavhalelo Shandukani², Sameen Babur³, Craig Davies³, Rebecca Graffy³, Natasha Morris⁴, Bheki Qwabe⁵, Gillian Malatje⁶, Eric Mabunda⁷, Patrick Moonasar^{2,8}
¹Elimination 8 Initiative, Windhoek, Namibia; ²National Department of Health, Pretoria, South Africa; ³Clinton Health Access Initiative, Boston, MA, USA; ⁴South African Medical Research Council, Durban, South Africa; ⁵KwaZulu-Natal Provincial Department of Health, South Africa; ⁶Mpumalanga Provincial Department of Health, South Africa; ⁷Limpopo Provincial Department of Health, South Africa; ⁸University of Pretoria, School of Public Health and Health Systems
- 3. Exploring the contribution of cross-border human movement on malaria in Mutasa District, Zimbabwe**
Ellen Ferriss¹, Mufaro Kanyangara¹, Sungano Mharakurwa², Edmore Mamini³, Shungu Munyati³, Lovemore Gwanzura⁴, Tamaki Kobayashi¹, Susan, Mutambu⁵, William J. Moss¹, Amy Wesolowski¹
¹Johns Hopkins Bloomberg School of Public Health, Baltimore, Maryland, USA, ²Africa University, Mutare, Zimbabwe, ³Biomedical Research and Training Institute, Harare, Zimbabwe, ⁴University of Zimbabwe, Harare, Zimbabwe, ⁵National Institute of Health Research, Harare, Zimbabwe
- 4. Effective community-based malaria case management using simple eMobile system for real-time data collection in six provinces of Angola**
Alfredo Francisco¹, Adriano Samanjata¹, Jose Franco Martins², Gagik Karapetyan³
¹World Vision International - Angola, ²Public Health Angola, ³World Vision USA
- 5. Using age-structured surveillance data to infer malaria transmission patterns**
Kyra Grantz¹, Isabel Rodriguez-Barraquer², Bryan Greenhouse², Simon Cauchemez³, Amy Wesolowski¹
¹Department of Epidemiology, Johns Hopkins Bloomberg School of Public Health, Baltimore MD USA, ²Department of Medicine, San Francisco General Hospital, University of California San Francisco, San Francisco CA United States, ³Mathematical Modeling Unit, Institut Pasteur, Paris France
- 6. Standardized monitoring of durability of Long-lasting Insecticidal Nets in five countries in Africa and Asia**
Albert Kilian¹, Ana Paula Abílio², Emmanuel Obi³, Ameir H. Khamis⁴, Paul Mansiangi⁵, Si Thu Thein⁶, Sean Blaufuss⁷, Lilia Gerberg⁸, Hannah Koenker⁷
¹USAID Vectorworks Project, Tropical Health LLP, Montagut, Spain, ²USAID Vectorworks Project, National Health Institute, Maputo, Mozambique, ³USAID Vectorworks Project,

Tropical Health LLP, Abuja, Nigeria, ⁴USAID Vectorworks Project, Zanzibar Malaria Elimination Programme, Stone Town, Tanzania, United Republic of, ⁵USAID Vectorworks Project, School of Public Health University Kinshasa, Kinshasa, Congo, Democratic Republic of the, ⁶USAID Vectorworks Project, Population Services International, Yangon, Myanmar, ⁷USAID Vectorworks Project, JHU Center for Communication Programs, Baltimore, MD, United States, ⁸US President's Malaria Initiative, US Agency for International Development, Washington, DC, United States

7. Modelling malaria incidence and risk using spatio-temporal methods to guide Zambia's control and elimination target districts

Jailos Lubinda¹, Yaxin Bi², Busiku Hamainza³, and Adrian Moore¹

¹Ulster University, School of Geography and Environmental. Sciences, Coleraine, UK. ²Ulster University, Computer Science Research Institute, Newtown Abbey, UK. ³Ministry of Health, National Malaria Elimination Center, Lusaka, Zambia

8. Qualitative insights into human behavior and residual malaria transmission on Unguja Island, Zanzibar: findings from in-depth interviews and direct observation of community events

April Monroe^{1,4}, Kimberly Mihayo², Steven A Harvey³, Sarah Moore^{2,4}, Matthew Lynch¹, Hannah Koenker¹, Abdullah Ali⁵, Dickson Msaky², Khamis Khaji⁵, George greer⁶, Samson Kiware², Fredros Okumu²

¹USAID VectorWorks Project, Johns Hopkins Center for Communication Programs, Baltimore, MD, United States, ²Ifakara Health Institute, Dar-es-Salaam, Tanzania, ³Johns Hopkins University, Baltimore, MD, United States, ⁴Swiss Tropical and Public Health Institute, Basel, Switzerland, ⁵Zanzibar Malaria Elimination Programme, Zanzibar, Tanzania, ⁶US President's Malaria Initiative, US Agency for International Development, Dar-es-Salaam, Tanzania

9. Vector and Parasite Genomics for Malaria Elimination

Julia C. Pringle¹, Ilinca I. Ciubotariu¹, Jordan E. Hoffman¹, Mary E. Gebhardt¹, Douglas E. Norris¹

¹Department of Molecular Microbiology and Immunology, Johns Hopkins Malaria Research Institute, Johns Hopkins Bloomberg School of Public Health, Baltimore, MD, USA

10. Preliminary findings and logistical challenges from an intensive longitudinal cohort study of malaria transmission in a pre-elimination setting in southern Zambia: the ANTOOMWE study

Jessica Schue¹, Japhet Matoba², Jennifer C. Stevenson^{1,2}, Harry Hamapumbu², Ben Katowa², Michael Musonda², Tamaki Kobayashi¹, Timothy Shields¹, Andre Hackman¹, Philip E. Thuma^{1,2}, and William J. Moss¹ for the Southern and Central Africa International Centers of Excellence for Malaria Research.

¹Johns Hopkins Bloomberg School of Public Health, ²Macha Research Trust, Zambia

11. Dissection of haplotype-specific drug response phenotypes in multiclonal malaria isolates

Amel O. Ahmed^{1,*}, Standwell C. Nkhoma^{1,*}, Danielle Porier¹, Sharmeen Zaman¹ and Timothy T. Stedman¹ * Contributed equally

¹BEI Resources, American Type Culture Collection, 10801 University Boulevard, Manassas, VA 20110-2209, USA

12. Investigating paralogous ApiAP2 proteins with similar DNA binding specificities in *Plasmodium falciparum*

Victoria A. Bonnell¹, Gabrielle A. Josling¹, Timothy J. Russell¹, Heather J. Painter^{1,2}, & Manuel Llinás¹

¹The Pennsylvania State University, Department of Biochemistry and Molecular Biology, University Park, PA, ² Food and Drug Administration, Center for Biologics and Evaluation Research, Silver Springs, MD

13. **Hepatocyte binding peptide HP1 targets sporozoite-hepatocyte interaction**
Sung-Jae Cha and Marcelo Jacobs-Lorena
Johns Hopkins Bloomberg School of Public Health, Department of Molecular Microbiology and Immunology and Malaria Research Institute, 615 N. Wolfe St., Baltimore, MD, 21205, USA
14. **Malaria in the prehistoric Americas: The hunt for hemozoin**
Mallory Cox
Yale University, Department of Anthropology, Council on Archaeological Studies
15. **Blocking *Plasmodium* host cell invasion using small molecule inhibitors targeting an essential protein-protein interaction**
Geervani Daggupati¹, Adam Yasgar², Elena Fernandez Alvaro³, Francisco Javier Gamo³, Anton Simeonov², Louis H. Miller⁴, and Prakash Srinivasan¹
¹Malaria Research Institute, Dept. Molecular Microbiology and Immunology, Johns Hopkins School of Public Health, Baltimore, MD 21205, ² National Center for Advancing Translational Sciences, National Institutes of Health, Bethesda, MD 20850, ³ Tres Cantos Medicine Development Campus, GlaxoSmithKline, Parque Tecnológico de Madrid, 28760 Tres Cantos, Spain, ⁴ Laboratory of Malaria and Vector Research, Division of Intramural Research, National Institute of Allergy and Infectious Diseases, National Institutes of Health, Bethesda, MD 20852
16. **Use of polybasic peptides for treatment of malaria**
Slavica Pavlovic Djuranovic¹, Jessey Erath¹, Roshan Sivakumar¹ and Sergej Djuranovic¹
¹Washington University School of Medicine, Department of Cell Biology and Physiology
17. **Lactic acid supplemented media stimulates gametocytogenesis in *Plasmodium falciparum* culture**
Rachel Evans¹, David J. Sullivan¹
¹Johns Hopkins Bloomberg School of Public Health
18. **Bacterial Suppression of Malaria Transmission by Mosquitoes**
Wei Huang¹, Janneth Rodrigues², Alfonso Mendoza-Losana² and Marcelo Jacobs-Lorena¹.
¹Johns Hopkins Bloomberg School of Public Health, Dept. Molecular Microbiology and Immunology, Malaria Research Institute, Baltimore, MD, USA, ² GSK Open Lab Foundation, Tres Cantos, Spain
19. **Evaluation of an Inverse Molecular Design Algorithm for the computer aided molecular drug design of a QMMIDD motif peptide targeted active pharmaco agent (MalasmoruponaqTM) against the gram positive bacteria *Staphylococcus aureus* for the deactivation of antimicrobial activity of the insect defensin from *Anopheles gambiae***
Grigoriadis Ioannis ¹
¹Department of Computer Drug Discovery Science, BiogenetoligandorolTM BiogeneaSA, Thessaloniki, Greece
20. **A peptide-based checkpoint inhibitor therapeutically rescues mice from lethal malaria**
Vinayaka Kotraiah¹, Timothy W. Phares¹, Deshapriya Karunarathne², Michelle Wykes², Jim A. Pannucci¹ and Gabe M. Gutierrez¹

¹Explorations in Global Health, Leidos Inc., Frederick MD, USA, ²QIMR Berghofer, Brisbane Australia

21. **Analyzing the function of branched-chain alpha-keto acid dehydrogenase (BCKDH) in *Plasmodium falciparum***
Justin Munro ^{1,2}, Erik Allman ³, Manuel Llinás ³
¹Chemistry Department, Center for Malaria Research (CMaR), ²The Pennsylvania State University); ³Department of Biochemistry and Molecular Biology, Center for Infectious Disease Dynamics, Center for Malaria Research, The Pennsylvania State University
22. **Measles virus vector-based vaccine platform for the development of a malaria vaccine: rationale and proof of concept**
Marie Mura^{1,2}, Claude Ruffié¹, Chantal Combredet¹, Eduardo Aliprandini¹, Pauline Formaglio¹, Chetan E. Chitnis¹, Rogerio Amino¹, Frédéric Tangy¹.
¹Institut Pasteur, France ² Institut de Recherche Biomédicale des Armées, France
23. **Host and parasite factors associated with circulating gametocyte-committed *P. falciparum* rings in malaria patients**
Surendra K. Prajapati¹, Ruth Ayanful-Torgby², Festus K. Acquah², Elizabeth Cudjoe²
Courage Kakaney², Jones A. Amponsah², Evans Obboh³, Benjamin K. Abuaku², Linda E. Amoah², Kim C. Williamson¹
¹Department of Microbiology and Immunology, Uniformed Services University of the Health Sciences, Bethesda, Maryland, USA. ²Noguchi Memorial Institute for Medical Research, University of Ghana, Accra, Ghana, ³University of Cape Coast, Cape Coast, Ghana
24. **Pharmacological Disruption of an ApiAP2 Transcription Factor in the Human Malaria Parasite *Plasmodium falciparum***
Timothy Russell¹, Erandi K. DeSilva², Valerie Crowley¹, Katy Shaw³, Gabrielle Josling¹, Gianni Panagiotou⁴, Marcelo Jacobs-Lorena³, Manuel Llinás^{1,5}
¹Department of Biochemistry and Molecular Biology and Center for Malaria Research (CMaR), Pennsylvania State University. ²Department of Chemistry, Pennsylvania State University. ³Leibniz Institute for Natural Products Research and Infection Biology, Hans Knöll Institute. ⁴Leibniz Institute for Natural Products Research and Infection Biology, Hans Knöll Institute. ⁵Lewis-Singler Institute for Integrative Genomics, Princeton University. ³Molecular Biology and Immunology, Johns Hopkins Bloomberg School of Public Health
25. **Quantifying the compartmental kinetics of hemozoin during clearance of *Plasmodium* infection in mice and humans**
Abeer Sayeed¹, David Sullivan¹
¹Johns Hopkins Bloomberg School of Public Health
26. **Clinical probe of Cyp2C8*2 mutants in a malaria hyperendemic zone: Evidence from North-Central Nigeria**
Olalere Shittu^{1*}, Olufunke Adenike Opeyemi¹, Olumuyiwa Babagbemi Omotesho², Oluwatosin Fakayode³, Nnaemeka Asogwa⁴, Opeyemi Margaret Adeniyi¹, Ifeoluwa Margaret Fatoba¹, Kayode Muritala Salawu⁵, Olusola Ajibaye⁶, Olarewaju Abdulkareem Babamale¹, Olusola Isaac Aremu⁷
¹Parasitology Unit, Department of Zoology, University of Ilorin, Ilorin, Nigeria, ²Unilorin Clinic, University of Ilorin, Ilorin, Nigeria, ³Children Specialist Hospital, Centre Igboro, Ilorin, Nigeria, ⁴Department of Biochemistry, University of Ilorin, Ilorin, Nigeria, ⁵Department of Pharmacognosy and Drug Development, University of Ilorin, Ilorin, Nigeria, ⁶Biochemistry Division, Nigerian Institute of Medical Research, Lagos, Nigeria, ⁷Department of

Pharmaceutics and Industrial Pharmacy, Faculty of Pharmaceutical Sciences, University of Ilorin, Ilorin, Nigeria

27. **Dissecting the Mechanisms of Malaria Induced Anemia in Rodent Malaria Models**
Keyla Tumas¹, Jian Wu¹, Sittiporn Pattaradilokrat¹, Lu Xia¹, Yu-Chih Peng¹, Timothy Myers², Xin-zhuan Su^{1*}
¹Laboratory of Malaria and Vector Research, National Institute of Allergy and Infectious Diseases, National Institutes of Health, Bethesda, MD, USA, ²Research Technologies Branch, Genomic Technologies Section, National Institute of Allergy and Infectious Diseases, National Institutes of Health, Bethesda, MD, USA
28. **In vitro and in vivo evidence that GDV₁ regulates sexual differentiation upstream of *ap2-g***
Miho Usui^{1,4}, Surendra K. Prajapati⁴, Ruth Ayanful-Torgby², Festus K. Acquah², Elizabeth Cudjoe², Courage Kakaney², Jones A. Amponsah², Evans Obboh³, Deepti K. Reddy⁴, Michelle C. Barbeau⁴, Lacy M. Simons¹, Beata Czesny¹, Sorana Raiciulescu⁴, Cara Olsen⁴, Benjamin K. Abuaku², Linda E. Amoah², Kim C. Williamson^{1,4}
¹Loyola University Chicago, ²Noguchi Memorial Institute for Medical Research, University of Ghana, ³School of Medical Sciences, University of Cape Coast, ⁴Uniformed Services University of the Health Sciences
29. **Functional characterization of an upstream motif in gametocyte-associated genes in *Plasmodium falciparum***
Riëtte van Biljon¹, Timothy J Russell¹, Manuel Llinás^{1,2}
¹Department of Biochemistry & Molecular Biology and the Huck Center for Malaria Research and ²Department of Chemistry, Pennsylvania State University, University Park, PA, 16802, USA
30. **Brain Microvascular Inflammation in Experimental Cerebral Malaria**
Andres Villabona-Rueda¹, Amanda Dzedzic¹, Anne Jedlicka¹, Henri Van Der Heyde² and Monique Stins¹.
¹ Malaria Research Institute, Department of Molecular Microbiology and immunology, Johns Hopkins Bloomberg School of Public Health, ² La Jolla Infectious Disease Institute (LIDI), La Jolla, CA
31. ***Anopheles stephensi* Salivary Gland Infection by *Plasmodium berghei* sporozoites is restricted by secretory cell architecture**
Michael Wells and Deborah Andrew
Johns Hopkins University School of Medicine; Johns Hopkins Malaria Research Institute
32. **Engineering a self-targeting entry inhibitor for vectored malaria prophylaxis**
Shuhao Xiao^{1,2}, Rajeev Pandey^{1,2}, Cameron Bell^{1,2}, Garima Verma^{1,2}, Gary Ketner^{1,2} and Prakash Srinivasan^{1,2}
¹Johns Hopkins Malaria Research Institute, ²W. Harry Feinstone Department of Molecular Microbiology and Immunology, Johns Hopkins Bloomberg School of Public Health
33. **ArteTham, a New Formulation of Intravenous Artesunate**
Li-Ming Zhou and Ming Zhao
Glycopep Chemicals, Inc., Chicago Technology Park, 2201 W. Campbell Park Drive, Suite 38, Chicago, IL 60612

SECOND POSTER SESSION – RECEPTION

Posters 1-10 will continue to be displayed.

34. **Willingness-to-pay for long-lasting insecticide treated bed nets: a discrete choice experiment with real payment in Ghana**
Y. Natalia Alfonso (corresponding author)¹, Matthew Lynch², Elorm Mensah³, Danielle Piccinini² and David Bishai¹
¹ Johns Hopkins Bloomberg School of Public Health, ² Johns Hopkins Center for Communication Programs, ³ URIKA Research
35. **The Significance of Biological Malaria Vector Control**
Sehrish Ather¹, Saleem Rana¹
¹UIPH, University of Lahore, Pakistan
36. **Factors associated with seeking care for fever in children under five years of age in Côte d'Ivoire**
Stella Babalola¹, Abdul Dosso², Monne Therese Bleu³, Antoine Kouame⁵, Olamide Oyenubi², Grace Awantang², Michael Toso², Gabrielle Hunter², Colette Yah Kokrasset³, Mieke McKay², Blaise Kouadio⁴; Antoine Mea Tanoh³, Diarra Kamara²
¹Johns Hopkins University School of Public Health; ²Johns Hopkins University Center for Communication Programs; ³Ministry of Health, National Malaria Control and Prevention Program Cote d'Ivoire; ⁴USAID/President's Malaria Initiative Cote d'Ivoire, ⁵Save the Children Cote d'Ivoire
37. **Individual, household and community factors associated with the uptake of three doses of intermittent preventive treatment of malaria in pregnancy (IPTp3) in Cote d'Ivoire: A multilevel analysis**
Stella Babalola¹, Abdul Dosso², Monne Therese Bleu³, Antoine Kouame⁵, Olamide Oyenubi², Grace Awantang², Michael Toso², Gabrielle Hunter², Colette Yah Kokrasset³, Mieke McKay², Blaise Kouadio⁴; Antoine Mea Tanoh³, Diarra Kamara²
¹Johns Hopkins University School of Public Health; ²Johns Hopkins University Center for Communication Programs; ³Ministry of Health, National Malaria Control and Prevention Program Cote d'Ivoire; ⁴USAID/President's Malaria Initiative Cote d'Ivoire, ⁵Save the Children Cote d'Ivoire
38. **Seasonal malaria chemoprevention (SMC) in Togo: an evaluation of the impact on malaria parasitaemia**
Tchaa Abalo Bakai³, Didier Koumavi Ekouevi^{1, 4}, Tchassama Tchadjobo³, Josée Gnamien-Koudou³, Stéphane d'Almeida², Komi Kusiaku², Komla Dovenè Kadzahlo³, Agnidouféyi Aawi³, Aféignitou BoukpeSSI³, Batoma Tombegou-Pana³, ESO-Kilina Tako³, Kossi Yakpa³, Ahoefan Djossou³, Kansame Labarboré³, Ley-Bawé Tchamoussa¹, Bana Botcholi¹, Batawa Akakpo³, Kokoe Dodji d'Almeida³, Afolabi Eliassou³, Tinah Atcha-Oubou³
¹ African Center for Research in Epidemiology and Public Health, Lomé, Togo, ² Global Fund Project Management Unit (PMU), Lomé, Togo, ³ National Malaria Control Program (NMCP), Lomé, Togo, ⁴ University of Bordeaux & INSERM Center U1219 Bordeaux Population Health, Bordeaux, France
39. **Use of the Artesunate-Amodiaquine (ASAQ) combination for the treatment of uncomplicated malaria in Togo: lessons learned**

Tchaa Abalo Bakai³, Didier Koumavi Ekouevi^{1, 4}, Tchassama Tchadjobo³, Josée Gnamien-Koudou³, Stéphane d'Almeida², Komi Kusiaku², Komla Dovenè Kadzahlo³, Agnidouféyi Aawi³, Aféignitou BoukpeSSI³, Batoma Tombegou-Pana³, ESO-Kilina Tako³, Kossi Yakpa³, Ahoefan Djossou³, Kansame Labarboré³, Ley-Bawé Tchamoussa¹, Bana Botcholi¹, Batawa Akakpo³, Kokoe Dodji d'Almeida³, Afolabi Eliassou³, Tinah Atcha-Oubou³

¹ African Center for Research in Epidemiology and Public Health, Lomé, Togo, ² Global Fund Project Management Unit (PMU), Lomé, Togo, ³ National Malaria Control Program (NMCP), Lomé, Togo, ⁴ University of Bordeaux & INSERM Center U1219 Bordeaux Population Health, Bordeaux, France

40. Health Professionals Perception and Satisfaction on Quality of Laboratory Malaria Diagnostic Service; The Case Awi Zone, North Ethiopia

Agajie Likie Bogale^{*}, Jemal Haidar Ali², Aster Tsegaye³ and Fatuma Hassen³

¹Ethiopian Public Health Institute, P. O. Box 1242/5654, Addis Ababa Ethiopia.

²School of Public Health, Addis Ababa University, P. O. Box 27285/1000, Addis Ababa,

Ethiopia, ³Department of Medical Laboratory Sciences, School of Allied Health Sciences, College of Health Sciences, Addis Ababa University

41. The Role of Spatial Repellant Devices to Prevent Malaria in Low-income Countries. A Case Study

Giovanni Cucchiaro¹, Yvette Goodridge², Jamie Van Leeuwen³

¹Department of Anesthesiology and Critical Care Medicine, Johns Hopkins University,

²Department of Anesthesiology and Critical Care Medicine, Children Hospital Los Angeles,

³Global Livingston Institute

42. Quantifying seasonal variation in insecticide-treated net use among those with access
Hannah Koenker¹, Cameron Taylor², Clara Burgert^{2,3}, Julie Thwing⁴, Tom Fish², Albert Kilian⁵

¹ USAID VectorWorks Project, Johns Hopkins Center for Communication Programs,

Baltimore MD, ² The Demographic and Health Surveys (DHS) Program, ICF, Rockville MD,

³ RTI International, Washington, DC, ⁴ Malaria Branch, Centers for Disease Control and

Prevention, Atlanta GA, ⁵ USAID VectorWorks Project, Tropical Health LLP, Montagut Spain

43. Optimizing systemic insecticide use to improve malaria control

Hannah R. Meredith¹, Luis Furuya-Kanamori², and Laith Yakob¹

¹ Department of Disease Control, Faculty of Infectious and Tropical Diseases, London

School of Hygiene and Tropical Medicine, London, United Kingdom ² Research School of

Population Health, College of Health and Medicine, Australian National University,

Canberra, Australia

44. Understanding the gap between access and use of insecticide treated nets in Ghana: a qualitative study across three ecological zones

April Monroe¹, Sixte Zigirumugabe², Hannah Koenker¹, Matthew Lynch¹, Sylvester Segbaya³, Richard Kpabitey³, Danielle Piccinini¹, Bolanle Olapeju¹, Collins Ahorlu⁴

¹USAID VectorWorks Project, JHU Center for Communication Programs, Baltimore, MD,

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Accra, Ghana, ³USAID VectorWorks Project, JHU Center for Communication Programs,

Accra, Ghana, ⁴Noguchi Memorial Institute for Medical Research, Accra, Ghana

45. **Community Engagement for Cross-Border Malaria Control: Lessons Learned for Consideration in Future Efforts**
 Joao Baptista Nelo¹, Rebecca Vander Meulen², Alexandra Gordon²
¹ Conselho de Igrejas Cristãs em Angola (CICA), ²J. C. Flowers Foundation, Isdell:Flowers Cross Border Malaria Initiative
46. **Community-based LLIN distribution: Design and implementation lessons from Zanzibar**
 Waziri Nyoni¹, Noela Kisoka¹, Jacqueline Madundo¹, Mwinyi Khamis⁴, Abdullah Ali⁴, George Greer³, Naomi Kaspar³, Ato Selby², Eric Filemyr², Hannah Koenker², Matt Lynch²
¹PMI VectorWorks Project, Johns Hopkins Center for Communication Programs, Dar es Salaam, Tanzania, ²PMI VectorWorks Project, Johns Hopkins Center for Communication Programs, Baltimore, MD United States, ³U.S. President's Malaria Initiative, U.S. Agency for International Development, Dar es Salaam, Tanzania, ⁴Zanzibar Malaria Elimination Program, Tanzania
47. **School-based Continuous Distribution of ITNs: Pilot in Guinea Show Immediate Increase in Use and Access**
 Bolanle Olapeju¹, Sara Berthe¹, Sean Blaufuss¹, Hannah Koenker¹
¹VectorWorks Project, Johns Hopkins University Center for Communication Programs, Baltimore, MD USA
48. **Malaria Co-Infection with Typhoid Fever, Hepatitis B Virus (HBV) and Human Immunodeficiency Virus (HIV) Infections among Pregnant Women in Ikere-Ekiti, Local Government Area of Ekiti State, Southwestern, Nigeria**
 C. A. Ologunde
 Department of Science Technology, Federal Polytechnic, P.M.B. 5351, Ado-Ekiti, Nigeria
49. **Antibody responses to *Plasmodium vivax* gamete, sporozoite and merozoite antigens during naturally acquired infection in children and adults**
 Bergeline N. Tentokam^{1*}, Nicholas J. MacDonald¹, David L. Narum¹, Chanaki Amaratunga², Seila Suon⁴, Sokunthea Sreng⁴, Dhelio Batista Pereira⁵, Ricardo T. Fujiwara³, Lillian L. Bueno³, Nichole Salinas¹, Niraj H. Tolia¹, Camila H. Coelho¹, Patrick E. Duffy¹
¹Laboratory of Malaria Immunology and Vaccinology, NIAID/NIH, Rockville MD, USA, ²Laboratory of Malaria and Vector Research, NIAID/NIH, Rockville MD, USA, ³Department of Parasitology, Federal University of Minas Gerais, Belo Horizonte, Brazil, ⁴National Center for Parasitology, Entomology and Malaria Control, Phnom Penh, Cambodia, ⁵Centro de Pesquisa em Medicina Tropical (CEPEM), Porto Velho, Brazil
50. **Qualitative assessment of policies and practices to integrate anaemia and malaria control in the 10+1 countries**
 Ryan R Thompson¹, Felicetta Catanzaro² and David Schellenberg³
¹Johns Hopkins Bloomberg School of Public Health, Department of International Health, ²World Health Organization, Department of Nutrition for Health and Development, ³World Health Organization, Global Malaria Programme
51. **Importance of quality control of slides for the biological diagnosis of malaria: case study in laboratories of health facilities in Togo**
 Kossi Yakpa⁴, PoukpeSSI Adjeloh⁴, TchaA Abalo Bakai⁴, Tchassama Tchadjobo⁴, José Gnamien-Koudou⁴, Stéphane d'Almeida¹, Komi Kusiaku¹, Komla Dovenè Kadzahlo⁴, Agnidouféyi Aawi⁴, Aféignitou BoukpeSSI⁴, Batoma Tombegou-Pana⁴, ESo-Kilina Tako⁴,

Ahoefan Djossou⁴, Kansame Labarboré⁴, Ley-Bawé Tchamoussa⁴, Bana Botcholi⁴, Batawa Akakpo⁴, Kokoe Dodji d'Almeida⁴, Afolabi Eliassou⁴, Sabtiou Abou-Kerim², Ameyo Dorkenoo³, Tinah Atcha-Oubou⁴

¹ Global Fund Project Management Unit (PMU), Lomé, Togo, ² Laboratory Division (MSHP), University of Lomé, Togo, ³ National Institute of Hygiene, Lomé, Togo, ⁴ National Malaria Control Program, Lomé, Togo

52. Geostatistical Analysis and Mapping of Malaria Risk in Children Under 5 Using Point-referenced Prevalence Data in Ghana

Robert Yankson¹, Evelyn Arthur Anto¹ and Michael Give Chipeta²

¹African Institute of Mathematical Sciences, Accra-Cape Coast Road, Adisadel, Cape Coast, Ghana. ²Malawi-Liverpool Wellcome Trust Research Programme, Queen Elizabeth Central Hospital, Blantyre, Malawi

53. Discordance between SD malaria Ag Pf and *P. falciparum* real-time PCR results in patients with fever in Republic Democratic of Congo (RDC)

Doudou Yobi¹, Nadine Kayiba^{2,4}, Dieudonné Mvumbi¹, Raphael Boreux³, Pius Kabututu¹, Hippolyte Situakibanza⁵, Patrick De Mol³, Emile Okitolonda, Niko Speybroeck⁴, Georges Mvumbi¹ and Marie-Pierre Hayette³

¹Département des Sciences de Base, Faculté de Médecine, Université de Kinshasa, RD Congo; ²Ecole de santé publique, Faculté de Médecine, Université de Kinshasa;

³Laboratoire de Microbiologie Clinique, Centre Hospitalier Universitaire de Liège, Belgique; ⁴Faculté de Santé Publique & Institut de Recherche Santé et Société, Université Catholique de Louvain, Belgique; ⁵Département de Médecine interne, Faculté de Médecine, Université de Kinshasa, RD Congo

54. Molecular surveillance of antimalarial resistance: towards a possible recovery of the effectiveness of chloroquine in Democratic Republic of Congo

Doudou Yobi¹, Nadine Kayiba^{2,4}, Dieudonné Mvumbi¹, Raphael Boreux³, Pius Kabututu¹, Hippolyte Situakibanza⁵, Patrick De Mol³, Emile Okitolonda, Niko Speybroeck⁴, Georges Mvumbi¹ and Marie-Pierre Hayette³

¹Département des Sciences de Base, Faculté de Médecine, Université de Kinshasa, RD Congo; ²Ecole de santé publique, Faculté de Médecine, Université de Kinshasa;

³Laboratoire de Microbiologie Clinique, Centre Hospitalier Universitaire de Liège, Belgique; ⁴Faculté de Santé Publique & Institut de Recherche Santé et Société, Université Catholique de Louvain, Belgique; ⁵Département de Médecine interne, Faculté de Médecine, Université de Kinshasa, RD Congo