World Malaria Day 2019 Poster List

FIRST POSTER SESSION – LUNCH

1. **ClinEpiDB: The Clinical Epidemiology Database Resource**
   Cristina Aurrecoechea¹, John Brestelli², Brian P. Brunk³, Dave Falke⁴, Danica Helb⁵, John Judkins⁶, Jessica C. Kissinger⁴, Brianna Lindsay⁷, David S. Roos⁸, Sheena Shah Tomko⁹, Christian J. Stoeckert, Jr², Jie Zheng²
   ¹University of Georgia, Athens, GA 30602, USA, ²University of Pennsylvania, Philadelphia, PA 19104, USA

   Ednah Baloyi¹, Mbabhalelo Shandukani², Sameen Babur³, Craig Davies³, Rebecca Graffy³, Natasha Morris⁴, Bheki Qwabe³, Gillian Malatje⁶, Eric Mabunda⁷, Patrick Moonasar²,⁸
   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 Kanyangarara¹, Sungano Mharakurwa², Edmore Mamini³, Shungu Munyati³, Lovemore Gwanzura⁴, Tamaki Kobayashi⁵, Susan, Mutambu⁶, 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 Martins ², 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-Barraquer¹, 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 Abilio², Emmanuel Obi³, Ameir H. Khamis⁴, Paul Mansiangi³, Si Thu Thein⁶, Sean Blaufuss⁸, Lilia Gerberg⁸, Hannah Koenker⁷
   ¹USAID Vectorworks Project, Tropical Health LLP, Montagut, Spain, ²USAID Vectorworks Project, National Health Institute, Maputo, Mozambique, ³USAID Vectorworks Project,
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 Moore⁴
   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 Monroe⁴±, Kimberly Mihayo², Steven A Harvey³, Sarah Moore²±, Matthew Lynch¹, Hannah Koenker¹, Abdullah Ali³, Dickson Msaky², Khamis Khaji³, George greer⁶, Samson Kiware², Fredros Okumu¹

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. Stevenson¹±, Harry Hamapumbu², Ben Katowa², Michael Musonda², Tamaki Kobayashi¹, Timothy Shields¹, Andre Hackman¹, Philip E. Thuma¹±, 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. Ahmed¹*, Standwell C. Nkhoma¹*, 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. Painter¹±, & Manuel Llinás¹
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, 2National Center for Advancing Translational Sciences, National Institutes of Health, Bethesda, MD 20850, 3Tres Cantos Medicine Development Campus, GlaxoSmithKline, Parque Tecnológico de Madrid, 28760 Tres Cantos, Spain, 4Laboratory 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, 2GSK Open Lab Foundation, Tres Cantos, Spain

19. Evaluation of an Inverse Molecular Design Algorithm for the computer aided molecular drug design of a QMMMIDDD 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 Ioannis1
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
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
   1 Chemistry Department, Center for Malaria Research (CMaR), 2 The Pennsylvania State University; 3 Department 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 Mura1,2, Claude Ruffié1, Chantal Combredet1, Eduardo Aliprandini1, Pauline Formaglio1, Chetan E. Chitnis1, Rogerio Amino1, Frédéric Tangy1.
   1 Institut 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 Kakane2, Jones A. Amponsah2, Evans Obboh3, Benjamin K. Abuaku2, Linda E. Amoah2, Kim C. Williamson1
   1 Department of Microbiology and Immunology, Uniformed Services University of the Health Sciences, Bethesda, Maryland, USA. 2 Noguchi Memorial Institute for Medical Research, University of Ghana, Accra, Ghana, 3 University 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 Crowley3, Katy Shaw3, Gabrielle Josling4, Gianni Panagiotou5, Marcelo Jacobs-Lorena2, Manuel Llinás6,5
   1 Department of Biochemistry and Molecular Biology and Center for Malaria Research (CMaR), Pennsylvania State University. 2 Department of Chemistry, Pennsylvania State University. 3 Leibniz Institute for Natural Products Research and Infection Biology, Hans Knöll Institute. 4 Lewis-Singler Institute for Integrative Genomics, Princeton University. 5 Molecular 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
   1 Johns Hopkins Bloomberg School of Public Health

26. **Clinical probe of Cyp2C8*2 mutants in a malaria hyperendemic zone: Evidence from North-Central Nigeria**
   Olalere Shittu1, Olufunke Adenike Opeyemi2, Olumuyiwa Babagbemi Omotesho2, Oluwatosin Fakayode3, Nnaemeka Asogwa1, Opeyemi Margaret Adeniyi1, Ifeoluwa Margaret Fatoba1, Kayode Muritala Salawu5, Olusola Ajibaye6, Olarewaju Abdulkareem Babamale1, Olusola Isaac Aremu7
   1 Parasitology Unit, Department of Zoology, University of Ilorin, Ilorin, Nigeria, 2 Unilorin Clinic, University of Ilorin, Ilorin, Nigeria, 3 Children Specialist Hospital, Centre Igboro, Ilorin, Nigeria, 4 Department of Biochemistry, University of Ilorin, Ilorin, Nigeria, 5 Department of Pharmacognosy and Drug Development, University of Ilorin, Ilorin, Nigeria, 6 Biochemistry Division, Nigerian Institute of Medical Research, Lagos, Nigeria, 7 Department of
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 Su1
   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 Usui1,4, Surendra K. Prajapati1, Ruth Ayanful-Torgby2, Festus K. Acquah1, Elizabeth
   Cudjoe3, Courage Kakaney3, Jones A. Amponsah1, Evans Obboh1, Deepti K. Reddy4, Michelle
   C. Barbeau4, Lacy M. Simons1, Beata Czesny1, Sorana Raiciulescu1, Cara Olsen4, Benjamin K.
   Abuaku2, Linda E. Amoah4, Kim C. Williamson1,4
   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 Llinás1,2
   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 Dziedzic1, Anne Jedlicka1, Henri Van Der Heyde2 and
   Monique Stins1
   1Malaria Research Institute, Department of Molecular Microbiology and immunology, Johns
   Hopkins Bloomberg School of Public Health, 2La 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 Xiao1,2, Rajeev Pandey1,2, Cameron Bell1,2, Garima Verma1,2, Gary Ketner1,2 and Prakash
    Srinivasan1,2
    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
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 Piccinini³ and David Bishai¹
   ¹Johns Hopkins Bloomberg School of Public Health, ²Johns Hopkins Center for Communication Programs, ³URIKA 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 Awantang⁴, Michael Toso², Gabrielle Hunter², Colette Yah Kokrasset³, Mieko McKay², Blaise Kouadio⁴; Antoine Mea Tanoh², 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 Awantang⁴, Michael Toso², Gabrielle Hunter², Colette Yah Kokrasset³, Mieko McKay², Blaise Kouadio⁴; Antoine Mea Tanoh², 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 Ekouevi¹-⁴, Tchassama Tchadjobo¹, Josée Gnamien-Koudou¹, Stéphane d’Almeida¹, Komi Kusiaku², Komla Dovené Kadzahlo¹, Agnidouféyi Aawi³, Afégnitou Boupkessi³, Batoma Tombegou-Pana³, Esso-Kilina Tako³, Kossi Yakpa³, Ahoefan Djossou³, Kansame Labarboror³, Ley-Bawé Tchamoussa¹, Bana Botcholi¹, Batawa Akakpo³, Kokoe Dodji d’Almeida³, Afolabi Eliassou³, Tinah Atcha-Oubou³
   ¹African Center for Research in Epidemiology and Public Health, Lomé, Togo, ²Global Fund Project Management Unit (PMU), Lomé, Togo, ³National Malaria Control Program (NMCP), Lomé, Togo, ⁴University 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 Awì Zone, North Ethiopia
   Agajie Likie Bogale1, 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 Burgert2,3, 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 Koenker4, Matthew Lynch1, Sylvester Segbaya3, Richard Kpabitye3, Danielle Piccinini1, Bolanle Olapeju1, Collins Ahorlu1
   1USAID VectorWorks Project, JHU Center for Communication Programs, Baltimore, MD, United States, 2 US President’s Malaria Initiative, US Agency for International Development, 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 Gordon1
   1 Conselho de Igrejas Cristãs em Angola (CICA), 2 J. C. Flowers Foundation, Isdell:Flowers Cross Border Malaria Initiative

46. Community-based LLIN distribution: Design and implementation lessons from Zanzibar
   Waziri Nyon1, Noela Kisoka1, Jacqueline Madundo1, Mwinyi Khamis4, Abdullah Ali4, George Greer3, Naomi Kaspar3, Ato Selby2, Eric Filemyr2, Hannah Koenker2, Matt Lynch2
   1 PMI VectorWorks Project, Johns Hopkins Center for Communication Programs, Dar es Salaam, Tanzania, 2 PMI VectorWorks Project, Johns Hopkins Center for Communication Programs, Baltimore, MD United States, 3 U.S. President's Malaria Initiative, U.S. Agency for International Development, Dar es Salaam, Tanzania, 4 Zanzibar Malaria Elimination Program, Tanzania

47. School-based Continuous Distribution of ITNs: Pilot in Guinea Show Immediate Increase in Use and Access
   Bolanle Olaapeju1, Sara Berthe1, Sean Blaufuss1, Hannah Koenker1
   1 VectorWorks 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. Tentokam1, Nicholas J. MacDonald1, David L. Narum1, Chanaki Amaratunga2, Seila Suon4, Sokunthea Sreng1, Dhelio Batista Pereira3, Ricardo T. Fujiwara3, Lillian L. Bueno1, Nichole Salinas4, Niraj H. Tolia1, Camila H. Coelho1, Patrick E. Duffy1
   1 Laboratory of Malaria Immunology and Vaccinology, NIAID/NIH, Rockville MD, USA, 2 Laboratory of Malaria and Vector Research, NIAID/NIH, Rockville MD, USA, 3 Department of Parasitology, Federal University of Minas Gerais, Belo Horizonte, Brazil, 4 National Center for Parasitology, Entomology and Malaria Control, Phnom Penh, Cambodia, 5 Centro 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
   1 Johns Hopkins Bloomberg School of Public Health, Department of International Health, 2 World Health Organization, Department of Nutrition for Health and Development, 3 World 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, Josée Gnamien-Koudou4, Stéphane d’Almeida4, Komi Kusiaku5, Komla Dovené Kadzahlo4, Agnidoufényi Aawi4, Aféignitou Boukpessi4, Batoma Tombegou-Pana4, Esso-Kilina Tako4,
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 Kayiba²⁻⁴, Dieudonné Mvumbi¹, Raphael Boreux³, Pius Kabututu¹, Hippolyte Situakibanza³, 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 Kayiba²⁻⁴, Dieudonné Mvumbi¹, Raphael Boreux³, Pius Kabututu¹, Hippolyte Situakibanza³, 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