

CONFERENCE PROGRAM

DAY 1 WEDNESDAY 10 OCTOBER

10:30	Registration
12:00-13:00	Lunch
13:00-14:30	Session 1: Malaria metrics: the challenges today Chair: Marcel Hommel
13:00	Welcome address Marcel Hommel, Editor-in-Chief, Malaria Journal and University of Liverpool, UK and Marcel Tanner, Swiss Tropical & Public Health Institute, Basel, Switzerland
13:15	Malaria surveillance systems: from control to elimination Richard Cibulskis, Global Malaria Programme WHO, Geneva, Switzerland
13:35	The global distribution of <i>Plasmodium vivax</i> and G6PD deficiency prevalence Simon Hay, University of Oxford, UK
13:55	Challenges in surveillance and response Laurence Slutsker, Center for Global Health CDC, Atlanta, USA
14:15	Discussion
14:30-15:00	Coffee
15:00-17:30	Session 2: R&D Agenda for malaria eradication and the science of elimination Chair: Marcel Tanner
15:00	The importance of the linkage between national and international research funders to support malaria elimination Hassan Mshinda, Tanzania Commission for Science and Technology, Tanzania
15:25	Targeting the parasite in the mosquito: rationale and practicality Robert Sinden, Imperial College London, UK
15:50	Selected talk: Finding hotspots: The role of active surveillance methods in malaria control and elimination Hugh JW Sturrock, University of California San Francisco, USA
16:05	Selected talk: Rapid mapping of seasonal malaria transmission risk for strategic elimination planning in Swaziland Justin M Cohen, Clinton Health Access Initiative, Boston, MA, United States
16:20	Selected talk: A comprehensive risk map for malaria in Kinshasa, Democratic Republic of Congo Giovannfrancesco Ferrari, Department of Epidemiology and Public Health, Swiss Tropical and Public Health Institute, Basel, Switzerland
16:35	Malaria elimination case study series: WHO and UCSF Global Health Group
16:35	Case study: Moving to malaria elimination in Cape Verde Cristina Fontes, Minister of Health of Cape Verde and Jean Olivier Guintran, World Health Organization, Geneva, Switzerland
16:42	Case study: Progress towards elimination: A case study of Sri Lanka Gawrie NL Galappaththy, Anti-Malaria Campaign, Ministry of Health, Sri Lanka and Cara Smith Gueye, Global Health Group, University of California, San Francisco, USA
16:50	Case study: Achieving malaria elimination and certification in Turkmenistan Maral Aksakova, Ministry of Health, Turkmenistan and Rossitza Kurdova-Mintcheva, World Health Organization, Geneva, Switzerland
16:57	Case study: Eliminating malaria and preventing its reintroduction: the Mauritius case study Shahina Aboobakar, Ministry of Health and Quality of Life, Mauritius and Allison Tatarsky, Clinton Health Access Initiative, Boston and the Global Health Group, University of California, San Francisco, USA
17:05	Discussion
17:30-19:30	Poster Session and Welcome Reception

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DAY 2 THURSDAY 11 OCTOBER

- 8:15-10:30 **Session 3: Health systems and system-based interventions**
Chair: Holly Williams
- 8:15 **Health systems stewards and health systems researchers: a critical partnership for malaria elimination**
Don de Savigny, Swiss Tropical & Public Health Institute, Basel, Switzerland
- 8:40 **Communities, policy-makers and scientists: a critical partnership for malaria elimination**
Halima Mwenesi, FHI 360, Washington, USA
- 9:05 **Supply and demand for antimalarial drugs and diagnostic testing in the era of subsidies: multi-country findings**
Tanya Shewchuk, ACTwatch PSI, Nairobi, Kenya
- 9:30 **Overcoming the affordability barrier for effective and high quality life saving malaria medicines in the private sector in rural Uganda: The Consortium for ACT Private Sector Subsidy (CAPSS) pilot study**
Ambrose Talisuna, Medicines for Malaria Venture (MMV); University of Oxford-KEMRI-Wellcome Trust Research Programme and Worldwide Antimalarial Resistance Network (WWARN), Nairobi, Kenya
- 9:45 **Selected talk: The combined effect of determinants on coverage of intermittent preventive treatment of malaria during pregnancy in the Kilombero Valley, Tanzania**
Karin Gross, Swiss Tropical and Public Health Institute, Basel and University of Basel, Switzerland
- 10:00 **Selected talk: Community directed educational intervention for malaria elimination in Bhutan: Quasi-experimental study in malaria endemic areas of Sarpang district**
Tashi Tobgay, Ministry of Health, Thimphu, Bhutan
- 10:15 **Selected talk: Mystery shopping in community drug shops: research as development in rural Tanzania**
Brigit Obrist, Swiss Tropical and Public Health Institute, Basel and University of Basel, Switzerland
- 10:30-11:00 **Coffee**
- 11:00-12:45 **Session 4: Recent research advances and The situation of *P. vivax***
Chair: David Rollinson
- 11:00 **Extended malaria parasite clearance time in African children following artemisinin-combination therapy enhances transmission to *Anopheles* mosquitoes**
Teun Bousema, London School of Hygiene & Tropical Medicine, UK
- 11:25 **Chemotherapeutics for eliminating *Plasmodium vivax***
Kevin Baird, Eijkman-Oxford Clinical Research Unit, Jakarta, Indonesia
- 11:50 **Intravenous application of *Plasmodium falciparum* sporozoites in human volunteers, a new approach to study malaria**
Peter Kremsner, Eberhard Karls Universität, Tübingen, Germany
- 12:10 **Selected talk: Dissecting T cell or antibody immunodominance in a complex host-pathogen system**
Carla Proietti, Queensland Institute of Medical Research, Herston, Australia
- 12:25 **Selected talk: *Plasmodium vivax* in Papua New Guinea: high diversity and gene flow among endemic populations signal roadblocks for elimination**
Cristian Koepfli, Swiss Tropical and Public Health Institute, Basel, Switzerland
- 12:40-14:00 **Lunch**
- 12:50-13:50 **Sponsored Round table: Interaction between iron/folic acid and malaria. Sponsored by Sight and Life**
Klaus Kraemer, Sight and Life, Basel, Switzerland; Hans Verhoef, London School of Hygiene and Tropical Medicine, UK/Wageningen University, The Netherlands; Patrick E Duffy, Chief, Laboratory of Malaria Immunology & Vaccinology, NIAID, NIH, USA; A Hal Drakesmith, Weatherall Institute of Molecular Medicine, Experimental Medicine Division, Molecular Immunology Group, Oxford, UK
- 14:00-15:35 **Session 5: Diagnostic challenges**
Chair: David Bell
- 14:00 **Elimination challenges in the Pacific: *vivax* and submicroscopic parasitemia**
James McCarthy, Queensland Institute of Medical Research, Australia

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- 14:25 **Integrating diagnostics for elimination**
Chris Drakeley, London School of Hygiene & Tropical Medicine, UK
- 14:50 **Selected talk: Mass screening tools for glucose-6-phosphate dehydrogenase deficiency: validation of the WST8/1-methoxy-PMS enzymatic assay in a highly malaria-endemic area in Uganda**
Mariana De Niz, London School of Hygiene and Tropical Medicine, UK
- 15:05 **Selected talk: Utilising malariometric data in Real Time: a strategy to roll back malaria and sustain local elimination**
Clive Shiff, Johns Hopkins University, Baltimore, USA
- 15:20 **Selected talk: Molecular diagnosis for screening and elimination of malaria: performance of the first commercially-available malaria LAMP test**
Iveth J González, Foundation for Innovative New Diagnostics (FIND), Geneva, CH1202, Switzerland
- 15:35-16:05 **Coffee**
- 16:05-17:40 **Session 6: New drugs and drug combinations**
Chair: Nicholas White
- 16:05 **New drugs for the control and elimination of malaria: a snapshot of the pipeline**
Timothy Wells, MMV, Geneva, Switzerland
- 16:30 **Antimalarial drug discovery: targeting the hypnozoite for new radical curative agents**
Bryan Yeung, Novartis Institute for Tropical Diseases, Singapore
- 16:55 **Selected talk: Estimating the window of selection of antimalarial drugs using field data**
Katherine Winter, Liverpool School of Tropical Medicine, UK
- 17:10 **Selected talk: A new *P. falciparum* gametocyte drug screening assay based on pLDH detection**
Sarah D'Alessandro, Università di Milano, Italy
- 17:25 **Selected talk: A quinoline-based drug, MK571, inhibits P-gh1-mediated drug transport and is more toxic to chloroquine resistant *Plasmodium falciparum***
Sonia Edaye, McGill University, Canada
- 17:45-19:45 **Poster Session with predinner drinks**
- 20:00 **Conference Dinner**

DAY 3 FRIDAY 12 OCTOBER

- 8:15-9:50 **Session 7: Artemisinin resistance**
Chair: Ambrose Talisuna
- 8:15 **The consequences of artemisinin resistance in *falciparum* malaria**
Nicholas J White, University of Oxford, UK
- 8:40 **The global challenge of antimalarial drug resistance**
Robert Newman, Global Malaria Programme WHO, Geneva, Switzerland
- 9:05 **Selected talk: The power of pooled analysis: WWARN community reaches a critical mass of data**
Philippe J Guerin, University of Oxford, UK
- 9:20 **Selected talk: Safety and efficacy of artemether-lumefantrine against uncomplicated *Plasmodium falciparum* malaria during pregnancy: a systematic review**
Christine Manyando, Tropical Diseases Research Centre, Ndola, Zambia
- 9:35 **Selected talk: Fake Artesunate in Africa. A near death experience in a European traveller**
Carlos J Chaccour, Clinica Universidad de Navarra, Pamplona, Spain
- 9:50-10:20 **Coffee**
- 10:20-12:10 **Session 8: Vector Control**
Chair: Willem Takken
- 10:20 **Thinking outside the 'health' box: interventions for malaria control**
Steve Lindsay, London School of Hygiene & Tropical Medicine, UK

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- 10:45 **Characterization of the mating systems of *Anopheles gambiae* in malaria control perspectives**
Abdoulaye Diabaté, Institut de Recherche en Sciences de la Santé, Bobo-Dioulasso, Burkina Faso
- 11:10 **Selected talk: Does mosquito mortality in WHO insecticide susceptibility tests relate to mosquito mortality in ITN experimental hut studies?**
Olivier JT Briët, Swiss Tropical and Public Health Institute, Basel and University of Basel, Switzerland
- 11:25 **Selected talk: Engineering mosquito population for vector control**
Nikolai Windbichler, Imperial College London, UK
- 11:40 **Selected talk: The SolarMal Project: innovative mosquito trapping technology for malaria control**
Alexandra Hiscox, Wageningen University and Research Centre, The Netherlands
- 11:55 **Selected talk: Dramatic changes in malaria after the free distribution of mosquito nets in Papua New Guinea**
Manuel W Hetzel, Papua New Guinea Institute of Medical Research, Goroka, Papua New Guinea and The University of Queensland, Herston, Australia
- 12:10 **Sponsored talk: Making Product Development Partnerships work, Syngenta**
- 12:10-13:20 **Lunch**
- 13:20-14:55 **Session 9: Towards the malaria vaccine(s) we need**
Chair: David Arnot
- 13:20 **Malaria vaccines for eradication**
Pedro Alonso, Barcelona Centre for International Health Research (CRESIB), Spain
- 13:45 **Adaptive clinical trials of three PfSPZ products for development of a whole sporozoite vaccine that prevents *Plasmodium falciparum* infection, disease and transmission**
Stephen Hoffman, Sanaria Inc., Rockville, USA
- 14:10 **Selected talk: A novel *Plasmodium vivax* vaccine based on recombinant chimpanzee adenovirus ChAd63 and MVA expressing TRAP**
Arturo Reyes-Sandoval, The Jenner Institute, University of Oxford, UK
- 14:25 **Selected talk: Measuring Force of Infection and vaccine effects on transmission stages in clinical trials of experimental malaria vaccines**
Ingrid Felger, Swiss Tropical and Public Health Institute, Basel, Switzerland
- 14:40 **Selected talk: Plant-produced transmission blocking *Plasmodium falciparum* Pfs25 subunit and VLP based vaccine candidates**
Konstantin Musiyuchuk, Fraunhofer USA Center for Molecular Biotechnology, USA
- 14:55-15:25 **Coffee**
- 15:25-17:00 **Session 10: Elimination challenges**
Chair: Robert Newman
- 15:25 **Eliminating malaria in a sub-Saharan Africa: debate it or just do it?**
Richard Steketee, PATH, Seattle, USA
- 15:50 **The science of elimination in practice**
Marcel Tanner, Swiss Tropical & Public Health Institute, Basel, Switzerland
- 16:15 **Selected talk: Engaging communities in elimination: needs, approaches and tools**
Maxine Whittaker, Asia Pacific Malaria Elimination Network (APMEN) and University of Queensland, Australia
- 16:30 **Selected talk: How protected are populations if transmission relapses? Insights from mathematical modeling and simulation.**
Cátia Bandejas, Instituto Gulbenkian de Ciência, Oeiras, Portugal
- 16:45 **Selected talk: Tools for malaria elimination in the Kingdom of Saudi Arabia**
Michael Coleman, Liverpool School of Tropical Medicine, UK
- 17:00 **Close of Meeting**

CONFERENCE INFORMATION

Venue

University of Basel, Petersplatz 1, 4003 Basel, Switzerland
 Contact: Christine Walliser
 Tel: 061 284 82 83; Email: Christine.Walliser@unibas.ch

Registration/information desk

The registration/information desk is located in the Lobby. It will be staffed during the following hours:

Wednesday 10 October	10:30 – 19:30
Thursday 11 October	08:00 – 19:30
Friday 12 October	08:00 – 17:30

All conference attendees are required to check in at the registration/information desk to receive their delegate badge and conference bag at the following times:

Wednesday 10 October	10:30 – 17:00
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Delegate badges

Delegates will be provided with a delegate badge upon registration. This serves as proof that you are a registered participant of the meeting. To avoid questions when in the conference center attending sessions, please wear your delegate badge at all time. Badges are color-coded as follows:

Chairs and speakers	Red
Delegates	Blue
Exhibitors	Orange
Press	Yellow
Organizers	BioMed Central Company Badges

Program changes and announcements

Important messages or changes to the conference program that were received after this document went to print will be itemized and included in your delegate bags. Updates and messages received on-site will either be announced during plenary sessions or displayed at the registration/information desk.

Poster guidelines

Delegates presenting posters will be given their poster number upon registration, please make sure your poster is on its numbered poster board before 12:30 pm on Wednesday 10 October. Poster Sessions will take place in the foyer up the stairs from the main conference room and have been split as follows:

Odd-numbered posters will be presented in
 Poster Session 1, Wednesday 10th October, 17:30 – 19:30
 Even-numbered posters will be presented in
 Poster Session 2, Thursday 11th October 17:45 – 19:45

Conference catering

Refreshments and lunch will be provided during the conference, please see the conference program for information regarding the timings for this.

Wednesday 10 October 2012 – Poster Session –

There will be a drinks reception and canapés provided during the poster session for all delegates.

Thursday 11 October 2012 – Poster Session –

There will be pre-dinner drinks provided during the poster session for all delegates.

Thursday 11 October 2012 – Conference Dinner –

Reserved for delegates who purchased a conference dinner ticket when registering for the conference. Venue information is available from the registration desk.

* There will be limited places available for delegates wishing to attend this dinner who did not purchase a place upon registration for the conference. Please ask a member of staff at the registration/information desk if you would like to reserve your place. The conference dinner is charged at €75.00.

Evaluation forms

Your comments are essential to help us make this event an even greater success in future. Please complete the evaluation form provided during conference sessions and return it to our staff at the registration/information desk before your departure.

Internet access

Wi-Fi is available freely to all delegates for the duration of the conference. Additional services (printing, copying, etc) can be arranged via the venue which may involve charges. Please ask a member of the organizing staff for information.

Mobile telephones

We ask that you kindly ensure all mobile telephones are switched off during all conference sessions.

Security

For security purposes, delegates must wear badges at all times during conference and exhibition.

Please note that neither the venue or BioMed Central are responsible for the security of any goods left unattended during your time at the conference.

Contacting the organizers/emergencies

You will be able to contact the conference organizers during the event via the registration/information desk, this will be manned during the hours shown above.

The national emergency telephone number in Basel is 144. The venue staff are able to assist in case of an emergency.