Vectors, Pathogens and Diseases: Current Trends and Emerging Challenges (T1)
Scientific Organizers: Maureen Coetzee, Josiane Etang, Stephen Torr and Scott L. O’Neill

September 10–14, 2017
Southern Sun Elangeni & Maharani, Durban, KwaZulu-Natal, South Africa

Part of the Keystone Symposia Global Health Series, supported by the Bill & Melinda Gates Foundation

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DEADLINES:
Global Health Travel Award Deadline: Apr 11, 2017 [details]
Scholarship Deadline: May 11, 2017 [details]
Discounted Abstract Deadline: May 11, 2017 [details]
Abstract Deadline: Jun 13, 2017 [details]
Discounted Registration Deadline: Jul 11, 2017 [details]

Click here to view Cancellation Policy

No registration fees are used to fund entertainment or alcohol at this conference

Conference Program  Print  View meeting in 12 hr (am/pm) time

The meeting will begin on Sunday, September 10 with registration from 16:00 to 20:00 and a welcome mixer from 18:00 to 20:00. Conference events conclude on Thursday, September 14 with a closing plenary session from 17:00 to 19:00, followed by a social hour and entertainment. We recommend return travel on Friday, September 15 in order to fully experience the meeting.

SUNDAY, SEPTEMBER 10

<table>
<thead>
<tr>
<th>Time</th>
<th>Event</th>
<th>Location</th>
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<tbody>
<tr>
<td>16:00–20:00</td>
<td>Arrival and Registration</td>
<td>Foyer</td>
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<tr>
<td>18:00–20:00</td>
<td>Welcome Mixer</td>
<td>Ocean Breeze</td>
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<td>No registration fees are used to fund alcohol served at this function.</td>
<td>Restaurant</td>
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MONDAY, SEPTEMBER 11

<table>
<thead>
<tr>
<th>Time</th>
<th>Event</th>
<th>Location</th>
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<tbody>
<tr>
<td>07:30–08:30</td>
<td>Breakfast</td>
<td>Individual Hotel</td>
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<tr>
<td>08:30–09:30</td>
<td>Welcome and Keynote Address</td>
<td>Great Ilanga</td>
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<tr>
<td></td>
<td>Registered attendees can view abstracts starting on 08/10/2017</td>
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<tr>
<td></td>
<td>Dirk Engels, World Health Organization, Switzerland</td>
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<tr>
<td></td>
<td>Overview of Trends in Vector-Borne Diseases</td>
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<tr>
<td>09:30–11:45</td>
<td>Changes in Burden of Disease</td>
<td>Great Ilanga</td>
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<td></td>
<td>Registered attendees can view abstracts starting on 08/10/2017</td>
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<tr>
<td></td>
<td>Josiane Etang, Institut de Recherche de Yaoundé, Cameroon</td>
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<td></td>
<td>Malaria, Decreasing or Increasing?</td>
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<td></td>
<td>Coffee Break</td>
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<td></td>
<td>Stephen Torr, Liverpool School of Tropical Medicine, UK</td>
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<tr>
<td></td>
<td>Contributions of Vector Control to the Elimination of Human African Trypanosomiasis</td>
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<td>Neil Ferguson, Imperial College London, UK</td>
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<td>Modelling P. falciparum Transmission In Africa: Feasibility of Elimination</td>
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<td></td>
<td>Short Talk(s) Chosen from Abstracts</td>
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<tr>
<td>11:45–17:00</td>
<td>On Own for Lunch</td>
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<td>11:45–13:00</td>
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http://www.keystonesymposia.org/17T1
### Poster Setup

<table>
<thead>
<tr>
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<th>Location</th>
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<tbody>
<tr>
<td>13:00–22:00</td>
<td>Poster Viewing</td>
<td>Suites 1-5</td>
</tr>
<tr>
<td>14:30–16:30</td>
<td>Workshop 1: Is Climate Change Really Affecting Vectors?</td>
<td>Great Ilanga</td>
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#### Short Talks Chosen from Abstracts

- **Anna Cohuet**, Institut de Recherche pour le Développement, France
  - Despite Insecticide Resistance, Malaria Vector Control Still Matters

- **Marcelo Jacobs-Lorena**, Johns Hopkins Bloomberg School of Public Health, USA
  - Fighting Malaria with Engineered Symbiotic Bacteria from Vector Mosquitoes

- **Flaminia Catteruccia**, Harvard School of Public Health, USA
  - Determining the Physiological Processes Regulating Plasmodium Development in the Anopheles Mosquito

#### TUESDAY, SEPTEMBER 12

<table>
<thead>
<tr>
<th>Time</th>
<th>Event</th>
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<tbody>
<tr>
<td>07:30–08:30</td>
<td>Breakfast</td>
<td>Individual Hotel</td>
</tr>
<tr>
<td>08:00–08:30</td>
<td>Poster Setup</td>
<td>Suites 1-5</td>
</tr>
<tr>
<td>08:30–17:00</td>
<td>Poster Viewing</td>
<td>Suites 1-5</td>
</tr>
<tr>
<td>08:30–11:30</td>
<td>Aedes-Borne Viruses</td>
<td>Great Ilanga</td>
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#### Short Talk(s) Chosen from Abstracts

- **Birkinesh Ameneshewa**, World Health Organization, Congo, Republic of the
  - Arboviral Transmission Risk and Recent Outbreaks in the African Region

#### Short Talks Chosen from Abstracts

- **Lisa Reimer**, Liverpool School of Tropical Medicine, UK
  - Lymphatic Filariasis Transmission Ecology and Vector Behavior

- **Annette MacLeod**, University of Glasgow, UK
  - The Skin Is a Significant but Overlooked Anatomical Reservoir for Vector-Borne African Trypanosomes
WEDNESDAY, SEPTEMBER 13

07:30–08:30  Breakfast  Individual Hotel
08:00–20:30  Poster Setup  Suites 1-5
08:00–17:00  Poster Viewing  Suites 1-5
08:30–11:30  Insecticide and Drug Resistance  Great Ilanga
Registered attendees can view abstracts starting on 08/10/2017

Karen J. Barnes, University of Cape Town, South Africa
Sustaining Malaria Treatment Efficacy in the Shadow of Increasing Antimalarial Drug Resistance

Immo Kleinschmidt, London School of Hygiene & Tropical Medicine, UK
Assessing the Impact of Insecticide Resistance on Malaria Vector Control

Coffee Break

Martin James Donnelly, Liverpool School of Tropical Medicine, UK
New Mechanisms of Insecticide Resistance in Malaria Vectors

Maureen Coetzee, University of Witwatersrand, South Africa
Insecticide Resistance and Surveillance

Short Talk(s) Chosen from Abstracts

11:30–12:30  Lunch  Foyer/Suites 1-5
12:00–14:30  Poster Session 3  Suites 1-5
16:30–17:00  Coffee Available  Foyer
17:00–19:00  Other Vector-Borne Diseases  Great Ilanga
Registered attendees can view abstracts starting on 08/10/2017

Paul A. Bates, Lancaster University, UK
Advances In Sandfly Research and Leishmaniasis Control

Matthew Baylis, University of Liverpool, UK
Impact of Climate on the Transmission Risk of Culicoides-Borne Viruses

Chris Drakeley, London School of Hygiene & Tropical Medicine, UK
Plasmodium Knowlesi - Epidemiology of a Zoonotic Malaria from a Multidisciplinary Study

Short Talk Chosen from Abstracts

19:00  On Own for Dinner

No registration fees are used to fund alcohol served at this function.

THURSDAY, SEPTEMBER 14

07:30–08:30  Breakfast  Individual Hotel
08:30–11:30  New Developments in Vector-Borne Disease Control I  Great Ilanga
Registered attendees can view abstracts starting on 08/10/2017

Lizette Leonie Koekemoer, University of the Witwatersrand, South Africa
Will SIT Really be Useful as a Vector Control Tool?

Stephen L. Dobson, University of Kentucky, USA
Autocidal Techniques against Aedes Mosquitoes in the USA

Coffee Break

Nick Hamon, Innovative Vector Control Consortium, UK
What’s New on the Horizon of Innovative Vector Control?

Austin Burt, Imperial College London, UK
Modified Mosquitoes for Malaria Control - Current Status, Requirements for Success, and a Step-Wise Approach for
FRIDAY, SEPTEMBER 15

Departure

*Session Chair †Invited, not yet responded.

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