We have moved our website to embl.org/events. The content below is no longer being updated.

EMBL Courses and Conferences during the Coronavirus pandemic

With the onsite programme paused, many of our events are now being offered in virtual formats.

Registration is open as usual for many events, with back-up plans in place to move further courses and conferences online as necessary. Registration fees for any events affected by the COVID-19 disruption are fully refundable.

More information for participants of events at EMBL Heidelberg can be found here.

Programme

Got something to say? Tweet it! #EMBLMalaria

or Download the poster here.

Day 1 - Tuesday 28 May 2019

<table>
<thead>
<tr>
<th>Time</th>
<th>Speaker</th>
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<tbody>
<tr>
<td>09:00 - 10:45</td>
<td>Registration</td>
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<tr>
<td>10:45 - 11:00</td>
<td>Opening Remarks</td>
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<tr>
<td>11:00 - 12:15</td>
<td>Scientific Session 1: Vector Biology and Transmission</td>
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<td></td>
<td>Chairs: Sebastian Kirschner, Gunnar Mair</td>
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<td></td>
<td>Keynote Lecture</td>
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<td></td>
<td>The complexity of Anopheles-Plasmodium interactions (and a novel strategy to block them)</td>
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<td>Flaminia Catteruccia - Harvard TH Chan School of Public Health, USA</td>
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<tr>
<td>Time</td>
<td>Speaker</td>
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| 11:30 - 11:45| **Conserved heterodimeric structure & glycan specificity of C-type lectins Anopheles gambiae CTLMA2 and CTL4**  
Ritika Bishnoi - *The Lewis Katz School of Medicine at Temple University, USA* |
| 11:45 - 12:00| **The regulatory genome of the human malaria vector, Anopheles gambiae: an integrated analysis of chromatin accessibility and transcription**  
Elena Gómez-Díaz - *Spanish National Research Council, Spain* |
| 12:00 - 12:15| **Glycosylation of *Plasmodium falciparum* thrombospondin repeats drives mosquito transmission and sporozoite virulence**  
Justin Boddey - *The Walter and Eliza Hall Institute of Medical Research, Australia* |
| 12:15 - 13:45| **Lunch and Meet the Keynote Speaker**                                                                                                                                 |
| 12:45 - 13:45| **Workshop: Crowdsourcing Data Science Challenges in Malaria Research**  
Chairs: Geoffrey Siwo, Carol Sibley |
| 12:45 - 13:45| **Workshop: Online Resources for Malaria Biology**  
Chairs: Matt Berriman, Omar Harb, Dan Lawson |
| 13:45 - 15:30| **Scientific Session 2: BIG Data and New Tools**  
Chairs: Jessica Bryant, Edgar Deu |
| 13:45 - 14:15| **Keynote Lecture**  
**The excitement and limitation of a reference genome**  
Thomas Otto - *University of Glasgow, UK* |
| 14:15 - 14:30| **Using experimental genetic crosses and bulk segregant analysis to investigate *Plasmodium falciparum* fitness determinants throughout the life cycle**  
Sudhir Kumar - *Seattle Children's Research Institute, USA* |
| 14:30 - 14:45| **Comparative mapping of *Plasmodium* proteomes provides new insights into erythrocyte remodelling**  
Peter Preiser - *Nanyang Technological University, Singapore* |
| 14:45 - 15:00| **Decoding a riddle: *Plasmodium falciparum* long dry season pilgrimage**  
Richard Thomson Luque - *Heidelberg Clinical Hospital, Germany* |
| 15:00 - 15:15| **IPS cell technology: A great tool to study hypnozoites and pave the road towards malaria elimination**  
Mélanie Pellisson - *Swiss Tropical and Public Health Institute, Switzerland* |
### Day 1 - Tuesday 28 May 2019

<table>
<thead>
<tr>
<th>Time</th>
<th>Speaker</th>
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<tbody>
<tr>
<td>15:15 - 15:30</td>
<td>Stem cells as a tool to study malaria: the host side of the infection</td>
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<td>Alena Pance - <em>The Wellcome Sanger Institute, UK</em></td>
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<tr>
<td>15:30 - 16:00</td>
<td>Flash Talks - Odd Numbers (abstract: #55, #57, #89, #97, #119, #121,</td>
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<td>#135, #139)</td>
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<tr>
<td>16:00 - 16:30</td>
<td>Coffee Break and Meet the Keynote Speaker</td>
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<tr>
<td>16:30 - 18:30</td>
<td>Poster Session 1 - Odd Numbers</td>
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<tr>
<td>18:30 - 19:15</td>
<td>Lifetime Achievement Award</td>
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<td>19:15 - 20:30</td>
<td>Dinner in the EMBL Canteen</td>
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<tr>
<td>20:30 - 23:00</td>
<td>Welcome Reception in the ATC Rooftop Lounge</td>
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### Day 2 - Wednesday 29 May 2019

<table>
<thead>
<tr>
<th>Time</th>
<th>Speaker</th>
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<tbody>
<tr>
<td>09:00 - 10:30</td>
<td>Scientific Session 3: Development and Differentiation</td>
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<td>Chairs: Bjorn Kafsack, Kathrin Witmer</td>
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<tr>
<td>09:00 - 09:30</td>
<td>Keynote Lecture</td>
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<td>Plasmodium gametocyte development: insights from human infection and</td>
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<td>animal models</td>
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<td>Matthias Marti - <em>University of Glasgow, UK</em></td>
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<td>09:30 - 09:45</td>
<td>The patatin-like phospholipase PNPLA1 is crucial for gametocyte</td>
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<td>induction in the human malaria parasite Plasmodium falciparum</td>
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<td>Gabriele Pradel - <em>RWTH Aachen University, Germany</em></td>
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<td>09:45 - 10:00</td>
<td>A parasite load regulator important for virulence and transmission of</td>
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<td>the malaria parasite Plasmodium falciparum</td>
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<td>Alexander G. Maier - *The Australian National University Canberra,</td>
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<td>Australia</td>
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<tr>
<td>10:00 - 10:15</td>
<td>Plasmodium falciparum immature gametocytes development in human primary</td>
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<td>erythroblasts</td>
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<td>Gaëlle Neveu - <em>INSERM, France</em></td>
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<td>10:15 - 10:30</td>
<td>A Histone-Lysine N-Methyltransferase is Required for Efficient</td>
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<td>Development of Plasmodium in the Mosquito Vector</td>
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<td>Sebastian Kirchner - <em>University of Glasgow, UK</em></td>
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<tr>
<td>10:30 - 11:00</td>
<td>Coffee Break and Meet the Keynote Speaker</td>
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11:00 - 12:30
Scientific Session 4: Drug Development and Resistance
Chairs: Selina Bopp, Stefan Rahlfs

11:00 - 11:30
Keynote Lecture
Targetting Proteostasis for Antimalarial Drug Development
Leann Tilley - The University of Melbourne, Australia

11:30 - 11:45
Cyclic AMP-mediated activation of erythrocyte permeability increases antimalarials uptake by Plasmodium falciparum gametocytes
Catherine Lavazec - INSERM, France

11:45 - 12:00
Function of Kelch13 in Artemisinin-resistance in malaria parasites
Sabine Schmidt - Bernhard Nocht Institute for Tropical Medicine, Germany

12:00 - 12:15
Redox homeostasis as a drug target in Plasmodium falciparum gametocytes
Dina Coertzen - University of Pretoria, South Africa

12:15 - 12:30
A novel antimalarial resistance mechanism leads to structure guided identification of resistance breaking Plasmodium N myristoyltransferase inhibitors
Anja Schlott - The Francis Crick Institute, UK

12:30 - 14:00
Lunch and Meet the Keynote Speaker

13:00 - 14:00
Workshop: Women In Malaria Research: Visibility, empowerment and leadership
Chairs: Elena Gomez-Diaz, Joanne Power

13:00 - 14:00
Workshop: Drug Discovery for Biologists
Chair: Didier Leroy

14:00 - 15:30
Scientific Session 5: Immunology and Vaccine Development
Chairs: Melanie Walker, Hedda Wardemann

14:00 - 14:30
Keynote Lecture
Immunological impact of subclinical malaria infections
Eleanor Riley - The University of Edinburgh, UK

14:30 - 14:45
Importance of functional antibodies in protection of pregnant women from malaria
Timon Damelang - University of Melbourne, Australia

14:45 - 15:00
Comprehensive analysis of Fc-mediated IgM binding to the Plasmodium falciparum erythrocyte membrane protein 1 family in three parasite clones
Lars Hviid - University of Copenhagen, Denmark

15:00 - 15:15
The discovery of new insertions in antibodies against malaria
Yiwei Chen - Institute for Research in Biomedicine, Switzerland
B cell profiling in malaria reveals expansion and remodelling of CD11c+ B cell subsets
Christopher Sundling - Karolinska Institutet, Sweden

15:30 - 16:00
Flash Talks - Even Numbers (abstract: #50, #54, #68, #86, #92, #94, #102, #126, #128, #152)

16:00 - 16:30
Coffee Break and Meet the Keynote Speaker

16:30 - 18:30
Poster Session 2 - Even Numbers

18:30 - 20:30
Conference Dinner in the EMBL Canteen

20:30 - 00:00
Conference Party

Day 3 - Thursday 30 May 2019

Time           Speaker

09:00 - 10:30  Scientific Session 6: Cell and Molecular Biology
               Chairs: Michael Filarsky, Vera Mitesser

               Keynote Lecture
               Plasmodium vivax invasion: structural scaffolds and human monoclonal antibodies
               Wai-Hong Tham - The Walter and Eliza Hall Institute of Medical Research, Australia

               Identification of PfAP2-HS as the master regulator of the heat shock response in Plasmodium falciparum parasites
               Elisabet Tintó - ISGlobal, Spain

               Formin-2 is the primary nucleator of filamentous actin during intracellular blood stages of P. falciparum, facilitating apicoplast inheritance and completion of cytokinesis
               Sujaan Das - Ludwig Maximillian University, Germany

               Plasmodium falciparum dipeptidyl aminopeptidases 1 and 3 play complementary function in erythrocytes invasion
               Edgar Deu - The Francis Crick Institute, UK

10:00 - 10:15  Functional characterization of a minimal ESCRT-III machinery in P. falciparum
               Yunuen Avalos Padilla - Institute for Bioengineering of Catalonia, Spain

10:15 - 10:30  Plasmodium condensin (SMC2/SMC4) forms differential complexes and is required for atypical cell division during parasite life cycle
               Rita Tewari - University of Nottingham, UK
10:45 - 11:00
*Activation of the malarial cGMP dependent protein kinase (PKG) by cGMP: a tale of co-operation and affinity*

Konstantinos Kousis - *The Francis Crick Institute, UK*

11:00 - 11:30
*Coffee Break and Meet the Keynote Speaker*

11:30 - 13:00
*Scientific Session 7: Host-Parasite Interaction*

**Chairs:** Franziska Hentzschel, Gerhard Wunderlich

11:30 - 12:00
**Keynote Lecture**

A double-edged sword: innate and adaptive immunity to Plasmodium liver infection

Stefan Kappe - *Center for Infectious Disease Research, USA*

12:00 - 12:15
*Laverania RH5-basigin binding tropisms reveal a key event in the origin of P. falciparum malaria*

Francis Galaway - *The Wellcome Sanger Institute, UK*

12:15 - 12:30
"Microbiota"-A new player in Host-Plasmodium affair

Debanjan Mukherjee - *Instituto de Medicina Molecular, Portugal*

12:30 - 12:45
var gene expression in malaria naive volunteers experimentally infected with two genetically different P. falciparum strains

Jan Stephan Wichers - *Bernhard Nocht Institute for Tropical Medicine, Germany*

12:45 - 13:00
Combining reverse genetics and live microscopy to dissect P. knowlesi invasion of red blood cells

Melissa Hart - *London School of Hygiene and Tropical Medicine, UK*

13:00 - 15:00
*Lunch and Meet the Keynote Speaker*

13:30 - 15:00
**Plenary Session: Changing Practices in Publishing**

Chair: Gary Ward

15:00 - 15:10
*Awards for Best Poster and Oral Presentations*

15:10 - 15:20
**Closing remarks**

15:20 - 15:30
*Departure*

Bus to Heidelberg downtown
Bus to Frankfurt Airport