



BioMalPar XIV: Biology and Pathology of the Malaria Parasite

EMBL CONFERENCE

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 The content below is no longer being updated.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

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Day 1 - Wednesday 23 May 2018

Time	Speaker
09:30-11:00	Registration
11:00-11:15	Welcome and Introduction
11:15-12:30	Scientific Session 1: Vector biology and Transmission Session Chairs: Elena Levashina, Martin Rono
11:15-11:45	Keynote Lecture On sporozoite formation, motility and attenuation Freddy Frischknecht - <i>Heidelberg University Hospital, Germany</i>

Time	Speaker
11:45-12:00	Attach and infect – Identification of a mosquito receptor for the Plasmodium ookinete Florian Brod - <i>Oxford University, United Kingdom</i>
12:00-12:15	Elucidating the role of lipolytic pathway in mosquito reproduction and P. falciparum transmission Maurice Itoe - <i>Harvard T.H. Chan School of Public Health, United States of America</i>
12:15-12:30	Lipid requirements for life-cycle transition of the malaria parasite Alexander G. Maier - <i>The Australian National University Canberra, Australia</i>
12:30-13:30	Lunch and meet the Keynote speaker
13:30-16:00	Scientific Session 2: Omics and Systems biology Session Chairs: Richard Bartfai, Rita Tewari
13:30-14:00	Keynote Lecture Finding function in parasite and vector population genomic variation Daniel Neafsey - <i>Broad Institute, United States of America</i>
14:00-14:15	Integrated parasite load and dual transcriptome analysis of systemic host-parasite interactions in severe malaria Aubrey Cunnington - <i>Imperial College London, Australia</i>
14:15-14:30	The Malaria Cell Atlas Andrew Russell - <i>Wellcome Trust Sanger Institute, United Kingdom</i>
14:30-14:45	Identifying localisation at scale with a novel platform for high-throughput automated Plasmodium culture Theo Sanderson - <i>Wellcome Trust Sanger Institute, United Kingdom</i>
14:45-15:00	Global mapping of protein subcellular location in apicomplexans: the parasite as we've never seen it before Ross Waller - <i>University of Cambridge, United Kingdom</i>
15:00-15:30	Flash Talks - Abstracts #48 Ellen Bushell, #50 Manuela Carasquilla, #76 Sebastian Kirchner, #102 David Oyen, #120 Lilach Scheiner, #126 Timothy Straub, #142 Danny Wilson, #35 Yaw Bediako, #45 Nicolas Blanchard, #53 Romain Coppée
15:30-16:00	Coffee Break and meet the Keynote speaker
16:00-18:00	Poster Session 1 - Even Numbers
18:00-18:45	Lifetime Achievement Award
18:45-20:30	Dinner

Time	Speaker
20:30-23:00	Welcome Reception

Day 2 - Thursday 24 May 2018

Time	Speaker
09:00-10:30	Scientific Session 3: Molecular and Cellular Biology (1) Session Chairs: Lilach Sheiner, Sebastian Kirchner
09:00-09:30	Keynote Lecture Cryptosporidium? Think Intestinal Malaria! Boris Striepen - <i>University of Pennsylvania, United States of America</i>
09:30-09:45	Control of the Nedd8 pathway in Plasmodium falciparum Katerina Artavanis-Tsakonas - <i>University of Cambridge, United Kingdom</i>
09:45-10:00	Push and Pull: F-actin facilitates Apicomplexan parasite penetration by forming an F-actin ring structure close to the tight junction Mario Del Rosario - <i>University of Glasgow, United Kingdom</i>
10:00-10:15	RecQ helicases in the malaria parasite Plasmodium falciparum affect genome stability, gene expression patterns and DNA replication dynamics Catherine Merrick - <i>Keele University, United Kingdom</i>
10:15-10:30	Uncovering the function of EXP1 in P. falciparum blood stages Paolo Mesen-Ramirez - <i>Bernhard Nocht Institute for Tropical Medicine, Germany</i>
10:30-11:00	Coffee Break and meet the Keynote speaker
11:00-12:30	Scientific Session 4: Host-Parasite interactions Session Chairs: Petra Rohrbach, Marta Tiburcio
11:00-11:30	Keynote Lecture Antigenic Variation in T.brucei: A Host-Pathogen Interaction Reduced to First Principles Nina Papavasiliou - <i>German Cancer Research Center (DKFZ), Germany</i>
11:30-11:45	Combining RNA-sequencing and mathematical modelling to identify mechanistic correlates of protection in malaria Athina Georgiadou - <i>Imperial College London, United Kingdom</i>
11:45-12:00	Impact of malaria-protective glycophorin polymorphism on Plasmodium falciparum invasion Silvia Kariuki - <i>KEMRI Wellcome Trust Research Programme, Kenya</i>

Time	Speaker
12:00-12:15	The trophoblast endothelin response as a mechanism for fetal protection in placental malaria Yash Pandya - <i>Instituto Gulbenkian de Ciência, Portugal</i>
12:15-12:30	Microvesicles from Malaria-infected Red Blood Cells Activate Natural Killer Cells via MDA5 Pathway Peter Preiser - <i>Nanyang Technological University, Singapore</i>
12:30-14:00	Lunch and meet the Keynote speaker
13:00-14:00	Workshop: Life beyond the P value - from elementary to advanced data analysis Moderator: Mario Recker - <i>University of Exeter, United Kingdom</i>
13:00-14:00	Workshop: Make up your parasites with CRISPR/Cas9 Moderators: Marcus Lee - <i>Wellcome Trust Sanger Institute, United Kingdom</i> Scott Lindner - <i>Center for Malaria Research, Pennsylvania State University, United States of America</i>
14:00-16:00	Scientific Session 5: Immunobiology and Vaccine development Session Chairs: Nicolas Blanchard, David Oyen
14:00-14:30	Keynote Lecture The HIV Vaccine Problem Michel Nussenzweig - <i>The Rockefeller University, United States of America</i>
14:30-14:45	Neutrophil proteases regulate malaria pathology by modulating inflammation and cytoadhesion Borko Amulic - <i>University of Bristol, United Kingdom</i>
14:45-15:00	Clonal selection of potent germline antibodies drives protective memory B cell response in controlled human malaria infection Rajagopal Murugan - <i>German Cancer Research Center, Germany</i>
15:00-15:15	Gametocyte immunity provides a rationale for novel transmission blocking interventions in Plasmodium falciparum Priscilla Ngotho - <i>University of Glasgow, United Kingdom</i>
15:15-15:30	Evaluation of Plasmodium falciparum SPECT-1 as a novel pre-erythrocytic vaccine candidate Ahmed Salman - <i>Jenner Institute - University of Oxford, United Kingdom</i>
15:30-16:00	Flash Talks - Abstracts #57 Katrien Deroost, #61 Richard Bartfai, #65 José Luis Ruiz Rodriguez, #73 Ernst Joschner, #75 Che Julius Ngwa, #89 Oliver Lyth, #109Kimberley Prior, #113 Martin Rono, #117 Margarida Sanches-Vaz, #141 Mark Dale Wilkinson
16:00-16:30	Coffee Break and meet the Keynote speaker

Time	Speaker
16:30-18:30	Poster Session 2 - Odd Numbers
18:30-20:00	Conference Dinner
20:00-00:00	Conference Party

Day 3 - Friday 25 May 2018

Time	Speaker
09:00-10:30	Scientific Session 6: Drugs and resistance Session Chairs: Catherine Lavazec, Angelika Sturm
	Keynote Lecture
09:00-09:30	Mitochondrial heteroplasmy and atovaquone resistance in Plasmodium falciparum Dennis Kyle - <i>University of Georgia, United States of America</i>
09:30-09:45	A genetic resistance trap in malaria parasites: exploiting the differential metabolism of the parasite between its two hosts Hayley Buchanan - <i>University of Melbourne, Australia</i>
09:45-10:00	Unravelling the mode of action of a novel class of antimalarials Laura E. de Vries - <i>Radboud University Medical Centre, The Netherlands</i>
10:00-10:15	Mind the Traffic: A role for trafficking in the ER stress response and artemisinin resistance in P. falciparum Ryan Henrici - <i>London School of Hygiene & Tropical Medicine, United Kingdom</i>
10:15-10:30	Emerging Southeast Asian PfCRT mutations confer Plasmodium falciparum resistance to the first-line antimalarial piperazine Leila Ross - <i>Columbia University, United States of America</i>
10:30-11:00	Coffee Break and meet the Keynote speaker
11:00-12:30	Scientific Session 7: Molecular and Cellular Biology (2) Session Chairs: Taco Kooij, Carolina Agop Nersesian
	Keynote Lecture
11:00-11:30	The complexity and the simplicity of host-Plasmodium interactions Maria Mota - <i>Instituto de Medicina Molecular, Portugal</i>
11:30-11:45	An enzyme pathway regulates malaria parasite egress Michael Blackman - <i>The Francis Crick Institute, United Kingdom</i>

Time	Speaker
11:45-12:00	Genetic interactions reveal functional redundancy between calcium-dependent protein kinases 4 and 1 in motility and invasion of malaria parasites Hanwei Fang - <i>University of Geneva, Switzerland</i>
12:00-12:15	A high-throughput liver stage phenotyping screen of <i>P. berghei</i> knockouts reveals novel insights into Plasmodium metabolism Rebecca Limenitakis Stanway - <i>University of Bern, Switzerland</i>
12:15-12:30	CAF1/CCR4/NOT Proteins Crucially Regulate Gametocyte Development and Transmissibility Scott Lindner - <i>Center for Malaria Research, Pennsylvania State University, United States of America</i>
12:30-14:30	Lunch and meet the Keynote speaker
13:00-14:30	Panel Discussion: Career development - science and more Moderators: Peter Preiser - <i>Nanyang Technological University, Singapore</i> Rachel Graf - <i>EMBL Heidelberg, Germany</i>
14:30-14:45	Awards for best Posters and Oral presentations
14:45-15:00	Closing remarks
15:00-15:15	Departure