

KEYNOTE SPEAKER

Quique Bassat

Barcelona Institute for Global Health, Spain
*Strategies to improve Malaria outcomes:
From the individual patient to the community*

Volker Heussler

University Bern, Switzerland
The Plasmodium Parasitophorous Vacuole Membrane

Faith Osier

Imperial College London, UK
Mechanisms of Immunity against P. falciparum Malaria

Timothy Wells

Medicine for Malaria Venture, Switzerland
Priorities and new approaches to malaria control and elimination

ARRIVAL



ACCOMMODATIONS NEARBY

Hotel Hafen Hamburg
Motel One
Hotel Hanseport
Arcotel Onyx
Youth hostel "Auf dem Stintfang"

FOR FURTHER DETAILS VISIT

www.bnitm.de/malariameeting

VENUE CONFERENCE DINNER

Copperhouse
Davidstraße 37
20359 Hamburg

Directions (5 min):

Leave the BNITM to the left and turn right at the Davidstraße intersection. The Copperhouse is on the right hand.

CONTACT

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Program of 15th Malaria Meeting March 23-24, 2023 at Bernhard Nocht Institute for Tropical Medicine



Bernhard Nocht Institute for Tropical Medicine
Bernhard-Nocht-Straße 74, 20359 Hamburg, Germany



THURSDAY, MARCH 23

SESSION I: CLINICAL EPIDEMIOLOGY

CHAIR: JÜRGEN MAY

- 9:00 am Registration** *Main entrance*
Welcome coffee Lounge, 3rd floor
- 10:00 am Keynote Lecture**
Quique Bassat, Barcelona, Spain
Strategies to improve Malaria outcomes: From the individual patient to the community
- 10:45 am Victoria Ingham**, Heidelberg, Germany
Insecticide resistance and vector competence: is there a link?
- 11:00 am Andreas Kudom**, Cape Coast, Ghana
Vector control situation in Cape Coast Ghana: unlocking the human factor in malaria control
- 11:15 am Nicole Struck**, Hamburg, Germany
Pre- and perinatal determinants of child health and development in the first year of life in Ghana
- 11:30 am Pride Duve**, Hamburg, Germany
A Mathematical model of malaria disease dynamics with vaccination and influx of infected immigrants

DZIF SESSION: CLINICAL RESEARCH & TRANSLATION

CHAIRS: MICHAEL RAMHARTER & AYÔLA AKIM ADEGNIKA

- 11:45 am Keynote Lecture**
Timothy Wells, Geneva, Switzerland
Priorities and new approaches to malaria control and elimination
- 12:30 – 1:45 pm Lunch**
- 1:45 pm Ghyslain Mombo-Ngoma**, Hamburg, Germany
The clinical development of next generation antimalarial drugs – current updates
- 2:00 pm Ayola Akim Adegnika**, Lambarene, Gabon
Multi-Drug Combination-Therapies to Prevent the Development of Malaria Drug Resistance. The MultiMal study
- 2:15 pm Johannes Mischlinger**, Hamburg, Germany
Efficacy and safety of Praziquantel for treatment of Plasmodium falciparum infection in asymptomatic Gabonese adults
- 2:30 pm Dorothea Ekoka Mbassi**, Lambarene, Gabon
Efficacy and safety of ivermectin for the treatment of Plasmodium falciparum infections in asymptomatic Gabonese adults
- 2:45 pm Rolf Fendel**, Tübingen, Germany
PfSPZ Vaccine induces focused humoral immune response malaria-naive and pre-exposed study populations
- 3:00 – 3:30 pm Coffee break**

THURSDAY, MARCH 23

SESSION II: IMMUNOLOGY (PART 1)

CHAIR: THOMAS JACOBS

- 3:30 pm Keynote Lecture**
Faith Osier, London, United Kingdom
Mechanisms of Immunity against P. falciparum Malaria
- 4:15 pm Borko Amulic**, Bristol, UK
Neutrophils as protagonists in malaria pathogenesis
- 4:30 pm Timo Reiß**, Aachen, Germany
The two faces of FHR-1: How FHR-1 deficiency affects the malaria pathogen Plasmodium falciparum
- 4:45 pm Christine Hopp**, Hamburg, Germany
Plasmodium infection-induced perturbation of the bone marrow B cell compartment and its impact on malaria immunity
- 5:00 pm Nishanth Gopala Krishna**, Hannover, Germany
Sequestration of infected red blood cells and reduced venous efflux precede inflammation in experimental cerebral malaria
- 5:15 – 7:00 pm Poster Session and „Grab a beer“**
Conference room, new building, 2nd floor
- 7:00 pm Conference Dinner** at Copperhouse

FRIDAY, MARCH 24

SESSION II: IMMUNOLOGY (PART 2)

CHAIR: CHRISTINE HOPP

- 8:40 am Registration open**
- 9:00 am Mary Lopez-Perez**, Copenhagen, Denmark
Sickle cell trait and naturally acquired immunity to malaria
- 9:15 am Christiane Steeg**, Hamburg, Germany
Differential expression of co-stimulatory/co-inhibitory molecules on T cells in children with different forms of severe malaria
- 9:30 am Henriette Hoffmann-Veltung**, Copenhagen, Denmark
Monoclonal B cell cross-reactivity with allelic variants of VAR2CSA domains following natural exposure to placental malaria
- 9:45 am Johannes Brandi**, Hamburg, Germany
Expression of co-inhibitory molecules on CD8+ T cells is a sign for increased functionality in acute experimental Malaria
- 10:00 am Lea Kaminski**, Hamburg, Germany
The composition of different regulatory PD-1+FoxP3-CD4+ T cell subsets in malaria patients might influence the outcome of disease
- 10:15 – 10:45 am Coffee break**

FRIDAY, MARCH 24

SESSION III: MOLECULAR MEDICINE & PARASITOLOGY

CHAIRS: IRIS BRUCHHAUS & ANNA BACHMANN

- 10:45 am Keynote Lecture**
Volker Heussler, Bern, Switzerland
The Plasmodium Parasitophorous Vacuole Membrane: from Autophagic Targeting to Signaling Platform
- 11:15 am Alyssa Ingmundson**, Berlin, Germany
The host isoprenoid synthesis pathway is required for Plasmodium liver-stage development
- 11:30 am Lars Hviid**, Copenhagen, Denmark
The rapid and spontaneous post-partum clearance of Plasmodium falciparum is related to expulsion of the placenta
- 11:45 am Kapil Pareek**, Erlangen, Germany
Investigating the effect of parasite density on parasite metabolism and epigenetic modifications
- 12:00 pm Joachim Matz**, Hamburg, Germany
The role of Plasmodium V-ATPase in vacuolar physiology and antimalarial drug uptake
- 12:15 – 1:15 pm Lunch**
- 1:15 pm Vitória Baptista**, Braga, Portugal
Plasmodium falciparum heme species dynamics under antimalarial exposure
- 1:30 pm Myriam Jeninga**, Erlangen, Germany
The bromodomain protein PfBDP1 is a central coordinator of the transcriptional program during gametocytogenesis in P. falciparum
- 1:45 pm Yannick Höppner**, Hamburg, Germany
Impact of increasing host immunity on P. falciparum var gene expression
- 2:00 pm Yifan Wu**, Hamburg, Germany
Human brain endothelial cell activation during Plasmodium falciparum infection
- 2:15 – 2:45 pm Coffee break**
- 2:45 pm François Korbmacher**, Barcelona, Spain
Stem cell-derived microvascular infection models for cerebral malaria studies
- 3:00 pm Alexandros Hadjulaou**, Hamburg, Germany
Brain endothelial necroptosis influences the outcome of cerebral malaria
- 3:15 pm Nahla Metwally**, Hamburg, Germany
Role of endothelial cells and miRNA in the pathogenesis of human malaria caused by Plasmodium falciparum infection
- 3:30 pm Farewell address / end of 15th Malaria Meeting**