

KEYSTONE SYMPOSIA

on Molecular and Cellular Biology

Malaria: Confronting Challenges From Drug Discovery to Treatment (D2)

April 10-13, 2022 • Beaver Run Resort • Breckenridge, CO, USA

Scientific Organizers: David A. Fidock, Kelly Chibale and Elizabeth A. Ashley

Supported by the Directors' Fund

Scholarship Deadline: December 20, 2021 / Abstract Deadline: January 11, 2022 / Discounted Registration Deadline: February 9, 2022

SUNDAY, APRIL 10

Arrival and Registration

MONDAY, APRIL 11

Welcome and Keynote Address

Arjen M. Dondorp, Wellcome Trust-Mahidol University, Thailand
Malaria in Southeast Asia - Treatment, Control and the Impact of Multidrug Resistance

Innovations in Antimalarial Drug Discovery

Elizabeth A. Winzeler, University of California, San Diego, USA
Whole-Cell Parasite Screens for Active Compounds

Jacquin C. Niles, Massachusetts Institute of Technology, USA
Regulating Gene Expression To Define Drug Mode of Action and Identify Target-Specific Chemotypes

Susan Wyllie, University of Dundee, UK
Thermal Proteome Profiling to Study Drug Mode of Action

Short Talks Chosen from Abstracts

Advancing Drug Discovery Efforts

Jeremy N. Burrows, Medicines for Malaria Venture, Switzerland
The MMV Pipeline

Laura Sanz, GlaxoSmithKline, Spain
Novel Therapeutic Options to Fight Malaria

Kelly Chibale, University of Cape Town, South Africa
PI4K Inhibitors

Short Talks Chosen from Abstracts

Poster Session 1

TUESDAY, APRIL 12

Experimental Models and Other Human Plasmodia

John H. Adams, University of South Florida College of Public Health, COPH, USA
*Screens for Inhibitors of *P. vivax* Hypnozoites*

Flaminia Catteruccia, Harvard T.H. Chan School of Public Health, USA
Targeting Anopheles-Plasmodium Interactions

James McCarthy, Peter Doherty Institute for Infection and Immunity, Australia
Pf Controlled Human Malaria Infection Models

Short Talks Chosen from Abstracts

Antimalarial Use and Drug Resistance

Didier Menard, Institut Pasteur Paris, France
The Global Spread of ART Resistance

Mallika Imwong, Mahidol Oxford Tropical Medicine Research Unit, Thailand
ACT Resistance in the GMS

David A. Fidock, Columbia University Medical Center, USA
ART and ACT Resistance - Genetic Studies

Leann M. Tilley, University of Melbourne, Australia
Beyond ART Resistance

Short Talks Chosen from Abstracts

Poster Session 2

WEDNESDAY, APRIL 13

Reducing the Burden of Malaria Part I

Thierry T. Diagana, Novartis Institute for Tropical Diseases, USA
Novartis NITD Malaria Clinical Program

Elizabeth A. Ashley, Lao-Oxford-Mahosot Hospital-Wellcome Trust Research Unit, UK
Update on TACTs

Ric N. Price, Menzies School of Health Research, Australia
*Novel Approaches for the Safe and Effective Radical Cure of *P. Vivax**

Short Talks Chosen from Abstracts

Reducing the Burden of Malaria Part II

Philip J. Rosenthal, University of California, San Francisco, USA
Antimalarial Efficacy in Africa

Abdoulaye Djimde, University of Science, Techniques and Technologies, Mali
Reducing the Burden of Malaria: How Can Genomics Help?

Corine Karema†, Quality and Equity Health Care, Rwanda
Malaria Prevention and Control Programs

Janice A. Culpepper, Bill & Melinda Gates Foundation, USA
Strategic Perspectives on Reducing the Burden of Malaria

Short Talks Chosen from Abstracts

Meeting Wrap-Up: Outcomes and Future Directions (Organizers)

THURSDAY, APRIL 14

Departure