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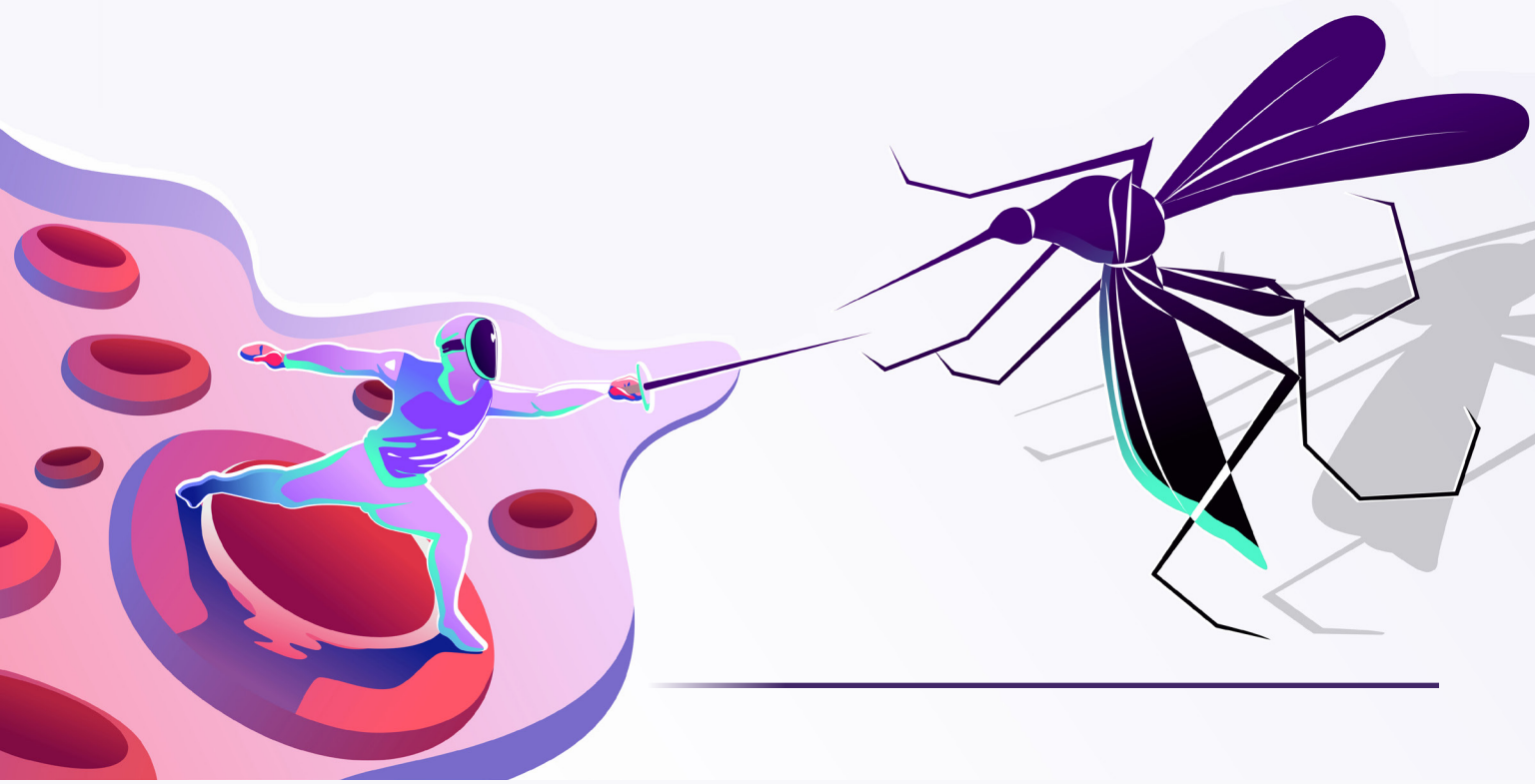
**MIE-2023**

4<sup>th</sup> Edition Virtual Conference on

# Malaria Immunology & Elimination (MIE-2023)

**Wednesday, May 10, 2023 | Virtual**

**Time zone:** Eastern Time (US & Canada)



**Chair** : Samuel C Wassmer, London School of Hygiene and Tropical Medicine, United Kingdom

09:00 – 09:10 Introduction to **MIE-2023**

09:10 – 09:35 **Genome-Wide Sieve Analysis Reveals Targets of Protective Immune Response to Whole Organism Parasitic Vaccines**

**Joana Carneiro da Silva**, University of Maryland, MD, USA

09:35 – 10:00 **A Role for Bone Marrow CD169+ Macrophages in Initiating Type I Interferon Responses During Blood Stage Malaria**

**Gregoire Lauvau**, Albert Einstein College of Medicine, NY, USA

10:00 – 10:25 **R21 Malaria Vaccine – An Overview of Clinical Trials and Immunology**

**Lisa Stockdale**, University of Oxford, United Kingdom

10:25 – 10:50 **Interconnected Glymphatic-Lymphatic Drainage Routes Resolve Cerebral Oedema During Recovery from Experimental Cerebral Malaria**

**Mike Haley**, The University of Manchester, United Kingdom

**10:50 – 11:00 Break**

**Chair** : Susanne Hodgson, University of Oxford, United Kingdom

11:00 – 11:25 **Mechanisms of Malaria Vaccine Failure**

**John Harty**, University of Iowa, IA, USA

11:25 – 11:50 **Identification and Characterization of Molecules Regulating Type I Interferon Responses During *Plasmodium yoelii* Infections**

**Xin-zhuan Su**, NIAID/NIH, MD, USA

11:50 – 12:15 **Analyses of Vaccine-Specific Circulating and Bone Marrow-Resident B Cell Populations Reveal Benefit of Delayed Vaccine Booster Dosing with Blood-Stage Malaria Antigens**

**Carolyn Nielsen**, University of Oxford, United Kingdom

12:15 – 12:40 **Glycosylated Nanoparticle-Based PfCSP Vaccine Candidate Confers Long-Lasting Antibody Responses and Sterile Protection in Mouse Malaria Model**

**Julia Ludwig**, German Cancer Research Center, Germany

**12:40 – 13:10 Break**

**Chair** : Mariah Hassert, University of Iowa, IA, USA

13:10 – 13:35 **Clinical Evaluation of Anti-Sporozoite Monoclonal Antibodies in Africa**

**Peter D. Crompton**, NIAID/NIH, MD, USA

13:35 – 14:00 **Innate Immunity to Liver-Stage Malaria**

**Samarchith P. Kurup**, University of Georgia, GA, USA

14:00 – 14:25 **Structure-Function Relationships of Human Antibodies Against Pfs230 and Pfs48/45 Transmission-Blocking Vaccine Antigens**

**Jean-Philippe Julien**, University of Toronto, Canada

14:25 – 14:50 **Asymptomatic Carriage of Plasmodium Parasites: Insights from a Novel Animal Model**

**Tracey J. Lamb**, University of Utah School of Medicine, UT, USA

**14:50 – 15:00 Break**

**Chair** : Matthew Ippolito, Johns Hopkins University, MD, USA

15:00 – 15:25 **Developing Second-Generation CSP-Based Immunogens**

**Marie Pancera**, Fred Hutchinson Cancer Research Center, WA, USA

15:25 – 15:50 **Cross-Reactive Antibodies to VAR2CSA Target an Epitope Within the CSA Binding Site of DBL3X**

**Stephanie Yanow**, University of Alberta, Canada

15:50 – 16:15 **The Different Effector Functions of Malaria-Associated Atypical B Cells**

**Evelien M. Bunnik**, The University of Texas Health Science Center at San Antonio, TX, USA

**16:15 – 16:20 Concluding Remarks**