Symposium: Individual risk variation: causes and consequences for malaria elimination
São Paulo, 7-10 October 2024
Venue: Sala Samuel Pessoa, Instituto de Ciências Biomédicas da USP
Ed. Biomédicas 2, Setor Didático, Av. Prof. Lineu Prestes 1374, Cidade Universitária, São Paulo

7 October 2024

Time	Topic	Speaker	Institution
8:30-9:00	Welcome	Marcelo U. Ferreira	ICB-USP
9:00-10:00	Risk heterogeneity and malaria control	Marcelo U. Ferreira	ICB-USP
10:00-10:30	Coffee break		
10:30-11:30	*Nyssorhynchus darlingi* population genetics and malaria transmission: 1. Mâncio Lima	Diego Peres Alonso	IBB-UNESP
11:30-12:30	*Nyssorhynchus darlingi* population genetics and malaria transmission: 2. Barcelos	Marcus Vinicius Niz Alvarez	IBB-UNESP
12:30-14:00	Lunch break		
14:00-15:00	Why *Nyssorhynchus darlingi*?	Paulo E. M. Ribolla	IBB-UNESP
15:00-16:00	How individual variation in exposure and susceptibility to infection shapes pathogen transmission dynamics	Rodrigo M. Corder	ICB-USP
16:00-16:30	Coffee break		
16:30-17:30	Superspreaders and residual malaria in the main urban transmission hotspot of Brazil	Winni A. Ladeia	ICB-USP
17:30-18:00	Wrap-up, first day	Marcelo U. Ferreira	ICB-USP

8 October 2024

Time	Topic	Speaker	Institution
9:00-10:00	Molecular surveillance for malaria control and elimination	Anna Rosanas-Urgell	ITM/Antwerp, Belgium
10:00-10:30	Coffee break		

10:30-11:30	Designing AmpliSeq platforms for population genomics of malaria parasites in South America	Johanna H. Kattenberg	ITM/Antwerp, Belgium
11:30-12:30	Genomic surveillance of *Plasmodium vivax* populations in Latin America using AmpliSeq assay	Luís Esteban Cabrera-Sosa	ICB-USP
12:30-14:00	Lunch break		
14:00-15:00	Characterization of the protein encoded by the PBANKA_1459100 gene as a gametogenesis activation receptor in *Plasmodium*	Janaína Tenório Novais	UPCH, Peru
15:00-16:00	Comparative assessment of immune response of recombinant *Plasmodium vivax* erythrocyte binding proteins (PvRBPs) family in mice and individuals from malaria-endemic area	Marcos Paulo de Oliveira	FCF-USP
16:00-16:30	Coffee break		
16:30-17:30	Naturally acquired anti-RBP2b antibodies and association with the risk of clinical *Plasmodium vivax* malaria	Natália Soares Ferreira	ICB-USP
17:30-18:00	Wrap-up, second day	Marcelo U. Ferreira	ICB-USP

9 October 2024

Time	Topic	Speaker	Institution
9:00-10:00	Understanding malaria recurrences from a pharmacogenetic perspective	Taís Nóbrega de Sousa	Fiocruz/Karolinska
10:00-10:30	Coffee break		
10:30-11:30	Role of Cytochrome P450 Reductase (CPR) in gametocyte clearance during *Plasmodium vivax* infections	Yanka Salazar	Fiocruz
11:30-12:30	Primaquine pharmacogenetics and the risk of malarial infection	Maria Carolina Puça	Fiocruz
12:30-14:00	Lunch break		
14:00-15:00	On the role of PfRrp6, PfSET-2 and PfSIR2A in the epigenetic memory of var genes transcription in *Plasmodium falciparum*	Luisa Fernanda Ortega Sepúlveda	ICB-USP
15:00-16:00	Dissecting the role and the molecular mechanism of action for the PfSR25 during asexual and sexual blood stages of *P.falciparum*	Abhinab Mohanty	ICB-USP
16:00-16:30	Coffee break		

16:30-17:30	Targeting host glycolysis as an antimalarial tool – the impact of genetic variants at the population level	Ana Paula Arez	IHMT/NOVA
17:30-18:00	Wrap-up, third day	Marcelo U. Ferreira	ICB-USP

10 October 2024

Time	Topic	Speaker	Institution
9:00-10:00	Exploring the dual role of CD98hc in human erythropoiesis and vivax malaria	Sylvie Garcia	Institut Pasteur
10:00-10:30	Coffee break		
10:30-11:30	Unraveling multifaceted causes of malaria risk in Amazonian communities: a collaborative approach integrating AI and causality tools	Adèle H. Ribeiro	University of Münster, Germany
11:30-12:30	Predictors of malaria test positivity: a test-negative observational study in the urban Brazilian Amazon	Carl Constantin von Reichenbach	Univ. Torino, Italy
12:30-14:00	Lunch break		
14:00-15:00	Development of an *R* package for analyzing *Plasmodium sp*. population data	Fernanda Busato	ICB-USP
15:00-16:00	Enhancement of ex vivo cultivation methods of *Plasmodium vivax*	Luiza B. Barros	ICB-USP
16:00-16:30	Coffee break		
16:30-17:30	Epidemic modelling for informing intervention strategies: Lessons from the COVID-19 pandemic	Carlos A Pette Jr.	ICB-USP
17:30-18:00	Wrap-up	Marcelo U. Ferreira	ICB-USP