World Malaria Day, April 25th, 2024
OMICS: Malaria on the Move, Sommer Hall
Organizers: Jane Carlton, Joana Silva, and Ambroise Wonkam

08:00 am Registration and light breakfast
08:50 am Welcome address Dr. Jane Carlton & Dean Ellen MacKenzie

Session 1: Plasmodium parasite
09:00 am – 09:30 am Dr. Bjorn Kafsack (Weill Cornell Medicine, New York, USA)
“Multi-omic strategies for identifying targets of potent inhibitors.”
09:30 am – 10:00 am Dr. Shannon Takala-Harrison (University of Maryland School of Medicine, Baltimore, USA)
“Use of identity-by-descent-based approaches for inference of malaria parasite population demography: practical considerations”
10:00 am – 10:30 am Dr. Krishanpal Karmodiya (Indian Institute of Science Education and Research, Pune, India)
“Genomic and Transcriptomic Profiling of P. falciparum: Insights into Variations, Heterogeneity, and Stress Responses in Artemisinin Tolerance”
10:30 am – 11:00 am Keynote Speaker: Dr. Karine Le Roch (University of Californi, Riverside, USA)
"A Systems Biology Approach to Understand Gene Regulation in Apicomplexan Parasites - from Chromatin Structure to RNA Binding Proteins"
11:00 am – 11:30 am Coffee Break – Feinstone Hall

Session 2: Anopheles mosquito
11:30 am – 12:00 pm Dr. Nsa Dada (Arizona State University, Phoenix, USA)
“The mosquito microbiome: An oft-neglected component of mosquito biology”
12:00 am – 12:30 pm Dr. Michelle Riehle (Medical College of Wisconsin, Milwaukee, USA)
“Unraveling Malaria Susceptibility: the Interplay of Mosquitoes, Candidate Genes and the Non-Coding Genome”
12:30 pm – 01:00 pm Dr. Brandy St. Laurent (Cornell University/Wellcome Sanger Institute, Ithaca, USA)
“Diverse and diverging malaria vectors in Southeast Asia”
01:00 pm – 02:00 pm Lunch, Posters & vendor tables (Illumina and Oxford Nanopore Technologies) – Feinstone Hall

Session 3: Human host
02:00 pm – 02:30 pm Dr. Amy Wesolowski (Johns Hopkins Malaria Research Institute, Baltimore, USA)
“Integrating human mobility and molecular surveillance to help control and eliminate malaria”
02:30 pm – 04:00 pm Panel: Malaria in Travelers and Locally Acquired. Moderator Dr. Jane Carlton (JHMRI);
Panelists: Susan Antenucci (New York State DOH), Robert Myers & David Blythe (Maryland DOH), Joana Silva (University of Maryland SOM), Abhai Tripathi & Doug Norris (JHMRI)
04:00 pm – 04:30 pm Coffee Break – Feinstone Hall
04:30 pm – 05:00 pm Dr. Youssef Idaghdour (New York University, Abu Dhabi, UAE)
“Multi-omics profiling reveals host-parasite dynamics in falciparum malaria”
05:00 pm – 05:30 pm Keynote Speaker: Dr. Ambroise Wonkam (Johns Hopkins School of Medicine, Baltimore, USA)
“Genomics of Sickle Cell Disease: A Malaria Legacy”
05:30 pm – 06:30 pm Reception and Posters – Feinstone Hall