



VII FLORIDA MALARIA CONSORTIUM MEETING

Thursday, March 27th

Arrival to Hotels

Invited speakers' dinner at 7:45 pm at Chroma

Friday, March 28th

8:45-09:00 Registration at the UCF College of Medicine, COM 116, 6850 Lake Nona Blvd

9:00-09:10 Opening remarks by the host

Session 1: Parasite Biology & Transmission

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| 09:10-9:50 | Manoj Duraisingh, Harvard | Identifying essential determinants of reticulocyte invasion by <i>Plasmodium vivax</i> |
| 09:55-10:15 | Jun Miao, USF | GCN5 is a master transcriptional regulator in malaria parasite |
| 10:20-10:30 | Olatunbosun Aringbangba, USF | Preliminary characterization of <i>Plasmodium falciparum</i> splicing factor 3A subunit in the gametocyte development |
| 10:35-10:45 | Sabrina Islam, FAU | Studies of PfBLEB protein on biophysical characteristics of <i>Plasmodium falciparum</i> gametocytes |

10:50-11:05 **Coffee Break**

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| 11:05-11:25 | Rhoel Dinglasan, UF | Revealing new insights into malaria transmission biology |
| 11:30-11:50 | Francis Motta, FAU | Generalized measure of population synchrony |
| 11:55- 12:05 | Camilla Pires, USF | Using forward genetics to identify key players in malaria asexual and sexual stages survival & development |

12:05-01:00 **Lunch (will be provided)**

Session 2: Drug Discovery & Resistance

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| 1:00-01:40 | David Fidock, Columbia | Genetic insights into antimalarial drug resistance in <i>Plasmodium falciparum</i> |
| 1:45-01:55 | Chiara Miccheli, USF | Potential reversal of oxidative stress-induced artemisinin tolerance by epigenetic disruption in <i>Plasmodium falciparum</i> |

2:00-2:20	Flore Nardella, U Toulouse	A type II human kinase inhibitor with antimalarial activity inhibits <i>Plasmodium falciparum</i> protein kinase 6 and hemozoin formation
2:25-2:35	Subhoja Chakraborty, UCF	Structural aspects of YLIU-06-26-1, a type II human kinase inhibitor, Binding to its <i>Plasmodium</i> targets.
2:40-3:00		Coffee Break
3:00-3:40	Robert Huigens III, U Georgia	Ring fusion of indole Aakaloids and the discovery of new antiplasmodial agents
3:45-3:55	Mathew Araujo, FAU	Identification of novel drugs that mimic antibody binding to PfGARP in <i>Plasmodium falciparum</i>
4:00-4:10	Angeline Deda, USF	Synthesis of xanthurenic acid analogs to interrogate their use in the investigation of <i>Plasmodium</i>
4:15-4:25	Jasveen Bhasin, UCF	Fungal-derived cephalochromin is a potent antiplasmodial agent
4:30-4:40	Evie Vincent, UCF	Repurposing human DUB inhibitors as antiplasmodials
4:45-6:00		Reception at Burnett School of Biomedical Sciences, BBS 103, 6900 Lake Nona Blvd
7:00 PM		Invited Speakers and PI dinner at Bosphorous Turkish Cuisine

Saturday, March 29

Session 3: Immune Response

9:00-9:20	Julie Moore, UF	TBA
9:25-9:45	Dipak Raj, USF	Antibodies to PfGBP-130 inhibit RBC invasion in vitro and protect humans against falciparum malaria
9:50-10:10	Francis Ntumngia, USF	Immunogenicity and functional efficacy of a <i>Plasmodium vivax</i> circumsporozoite protein nanoparticle vaccine
10:15-10:35		Coffee Break
10:35-10:45	Ahmad Shakri, USF	Identification of novel malaria antigens expressed on the surface of <i>Plasmodium falciparum</i> -infected RBCs for vaccine development
10:50-11:00	Jhasketan Badhai, USF	Exploring the immunodominant fragments of PfGARP for developing a blood-Stage malaria vaccine
11:05-11:15	Pooya Madhavi, USF	Identifying key epitopes in <i>Plasmodium vivax</i> pre-erythrocytic stage vaccine antigens by using naturally acquired inhibitory antibodies
11:20-11:30	Madison Ogbondah, USF	University of South Florida insectary: resource for vaccine development and drug discovery experiments

Closing Remarks-Box Lunch