

April 25, 2018 Malaria Drug Development & Resistance – Sommer Hall

7:45 – REGISTRATION & LIGHT BREAKFAST AVAILABLE - Feinstone Hall

8:30 – Welcome- Dean Ellen MacKenzie and Peter Agre – Sommer Hall

8:40 Drug Development Strategy (Chair: David Sullivan)

8:40-9:05 **Tim Wells** “Discovering and Delivering New Medicines to Control and Eradicate Malaria”

9:10-9:35 **Leo B. Slater** “A Brief History of Antimalaria Drug Development: Early Models and Medicine”

9:40-10:05 **Kip Guy** “SJ733 from Discovery to Clinic”

10:10-10:40 Break – Feinstone Hall

Specific Targets (Chair: Sean Prigge)

10:40-11:05 **Akhil Vaidya** - "Targeting Na⁺ and Lipid Homeostasis in Parasites by Antimalarials"

11:10-11:35 **Meg Phillips** “Targeting Dihydroorotate Dehydrogenase for the Treatment of Malaria”

11:40-12:05 **Kelly Chibale** “PfPI4K Inhibitor MMV048”

12:10-1:15 Lunch and Posters – Feinstone Hall

Optimizing Drugs (Chair: Terry Shapiro)

1:15 -1:40 **Jianping Song** “Mass Drug Administration on Comoros Island” delivered by Thomas Wellems

1:45-2:10 **Giovanni Traverso** “Novel GI Delivery Systems in a Few Movements”

2:15-2:40 **Tawanda Gumbo** “Pharmacokinetics and Pharmacodynamics of Intracellular Pathogens in Drug Development”

2:45 – 3:15 Break – Feinstone Hall

Drug resistance (Chair: David Sullivan)

3:15-3:40-**Dennis Kyle** “Mitochondrial Heteroplasmy and Atovaquone Resistance in *Plasmodium falciparum*”

3:45-4:10 **Geoff McFadden** “Can We Build a Genetic Trap for Drug Resistant Malaria?”

4:15-4:40 **Steve Meshnick** “Artemisinin – How It Works and How It Doesn’t Work”

4:45-5:10 **Thomas Wellems** “Genetics of Artemisinin Delayed Clearance Phenotype”

5:15pm to 6:30pm – Closing and Drinks & Posters in Feinstone Hall

4/23/2018