

MIPS Seminar Program

Meet the emerging leaders

 18 June 2024  12:00 to 1:00 pm  LT3

Dr. Anida Velagic (Drug Discovery Biology)



Boosting endogenous cyclic guanosine monophosphate (cGMP) to treat cardiovascular disease

Dr Anida Velagic is a Postdoctoral Research Fellow in the Heart Failure Pharmacology Laboratory at MIPS and holds an Honorary position in the Cardiac Regeneration Laboratory at St Vincent's Institute of Medical Research. Her research focuses on targeting pathways that drive cardiovascular disease development using animal models and human cells. Her work has been published in prestigious journals and recognised by awards from leading international cardiovascular societies including the International Society for Heart Research and American Heart Association. Dr Velagic Co-Chaired the ASCEPT Cardiovascular Special Interest Group, has been a long-standing member of the International Society for Heart Research and ASCEPT, and is an Editor for *Frontiers in Physiology*. She also project manages two externally-funded grants, and supervises and mentors higher degree research students.

Dr. Carlo Giannangelo (Drug Delivery Disposition & Dynamics)



Discovering new, irresistible medicines for malaria with metabolomics and proteomics

Carlo is a research fellow in the Malaria Metabolomics and Proteomics Lab in D4. His research aims to improve existing, and discover new, medicines for malaria by using state-of-the-art mass spectrometry and systems biology techniques (metabolomics and proteomics) and elucidate the mechanisms of action and resistance for malaria therapeutics.

Originally a pharmacist, Carlo completed an omics PhD in malaria at MIPS in 2018 investigating the mechanisms underpinning activity of new ozonide antimalarials. He currently works on several malaria drug discovery projects, with a primary focus on drug target deconvolution and mode of action discovery. He is also using advanced multi-omics technologies to develop new drug target deconvolution tools for malaria and to predict antimalarial drug resistance mechanisms.

Dr. Alene Yong (Centre for Medicine Use and Safety)



Closing the Gap Between Evidence and Practice: My Journey Across Settings

Dr Alene Yong is a pharmacist and public health researcher, currently a Research Fellow at CMUS. She is currently working on clinical practice guideline development and implementation. Prior to joining CMUS, Alene has worked as a community pharmacist and a research consultant for various international organisations, including the World Health Organisation and City Cancer Challenge Foundation. In these roles, she contributed to a range of national and international research initiatives, including health financing in low-resource settings, patient navigation in cancer care, and addressing barriers to accessing health services. She has extensive experience in evidence synthesis, mixed-method research, and preference elicitation methods. Alene is driven by her passion for translating research outcomes into policy, clinical practice, and tangible positive impacts for the community.