

The Infectious Diseases and Oncology Research Institute (IDORI), Wits Faculty of Health Sciences invites you to a

RESEARCH SEMINAR Spatial mass spectrometry: The next revolution in understanding health and disease

PRESENTERS

Associate Professor Aletta Millen - Wits University Associate Professor Sooraj Baijnath - Wits University Professor Per Andrén (Uppsala University, Sweden)

DATE:

Tuesday, 19 November 2024

TIME: 15h00 - 16h30 CPD POINTS AVAILABLE

VENUE: Research Centre, Ground Floor, Phillip V Tobias Health Sciences Building, 29 Princess of Wales Terrace, Parktown, Johannesburg



Professor Per Andrén (Uppsala University, Sweden)

Dr Per Andrén is a Professor of Mass Spectrometry Imaging at the Dept. of Pharmaceutical Biosciences, Uppsala University, Sweden. He received his M.Sc. in Pharmacy in 1984 and his PhD in 1989 in Medical Sciences (Psychiatry) at Uppsala University. He did a postdoctoral fellowship at University of Texas Medical School, Houston, USA (1989-1995) before he returned to

Uppsala University as an Associate Professor. He has also worked at GE Healthcare R&D (2000-2009).

Dr Andrén is interested in the use of mass spectrometry imaging (MSI) for the analysis of biological systems and focus on MSI method developments and applications of the brain and neurodegenerative diseases, with particular emphasis on Parkinson's disease. His laboratory (Spatial Mass Spectrometry) is a Swedish national facility for MSI within the Science for Life Laboratory (SciLifeLab), is an institution for the advancement of molecular biosciences in Sweden.



Associate Professor Aletta Millen (IMPRI, University of the Witwatersrand)

Aletta Millen is an Associate Professor in the School of Physiology at the University of the Witwatersrand. She is the Director of the Wits Integrated Molecular Physiology Research Initiative, where she leads a research team that focuses on increasing the understanding of the molecular mechanisms underlying several non-communicable diseases. Her lab uses several novel in vitro and in vivo models coupled with advanced molecular techniques to understand these mechanisms. Her personal research

focusses on improving the understanding of the role of inflammation in the development of cardiovascular and neurological disorders, and to improve the treatment and management of these diseases. She also completed an MBA at Wits and she has a strong interest in authentic leadership development in academia

INVITATION

as well as the translation of science into policy and its impact on societal problems.



Associate Professor Sooraj Baijnath

Sooraj Baijnath is an Associate Professor in the School of Physiology and co-founder of the Integrated Molecular Physiology Research Initiative (IMPRI) at the University of the Witwatersrand. His research interests centre around the use of advanced mass spectrometry techniques to study the molecular mechanisms underpinning brain disorders with a specific focus on understanding and improving the treatment and management of treatment-resistant depression (TRD). Moreover, he has a special interest in using animal models to improve the understanding of pathophysiology.

and translating basic science to address global health issues. IMPRI currently hosts the first atmospheric pressure matrix-assisted laser desorption laser ionization (AP-MALDI) mass spectrometry imaging (MSI) system in Africa.





RSVP here for catering/parking.

Enquiries: idori.research@wits.ac.za