Tuberculosis Immunology Workshop (Joint meeting with 7th Australia-China Symposium on Immunity in Tuberculosis)

Monday, December 4, 2023

8:45-9:00  Arrival

9:00-9:05  Welcome
          Carl Feng (University of Sydney)
          Xinchun Chen (Shenzhen University)

9:05 – 10:45 Session 1
Chair: Bernadette Saunders


9:25-9:45  Andreas Kupz (James Cook University): Insights into the immunological mechanisms underlying reactivation of latent lymphatic tuberculosis.

9:45-10:00 Liangdong Lyu (Fudan University): Mycobacterial DnaQ is an Alternative Proofreader Ensuring DNA Replication Fidelity.

10:00-10:15 Yi Cai (Shenzhen University): SIRT7 induces cytoskeletal remodelling via RAC1 to enhance host resistance to Mtb.

10:15-10:30 Lina Daniel (Sydney University): Remodelling of the lung draining lymph node's structure and function following Mycobacterium tuberculosis infection.

10:30-10:45 Xiangmei Zhou (China Agricultural University): The Role of ManLAM in the Pathogenesis of Mycobacterium Bovis.

Morning tea

11:15 – 13:00 Session 2
Chair: Kerry Hilligan

11:15-11:35  Gucheng Zeng (Sun Yat-sen University): TB immune regulation via gut.

11:35-11:55  Bernadette Saunders (University of Technology Sydney): DPP4 Activity as a Biomarker for Tuberculosis Diagnosis and Treatment Monitoring.

11:55-12:15  Guoliang Zhang (Shenzhen Third People’s Hospital): Host-directed therapy for tuberculosis by targeting autophagy.

12:15-12:30  Erica Stewart (Centenary Institute): Mucosal immunisation with different tuberculosis vaccines stimulates shared and distinct transcriptional profiles in the lung.

12:30-12:45  Qianting Yang (Shenzhen Third People's Hospital): The local immunity of lung tissue from patients of tuberculosis.

12:45-13:00  Bo Yan (Shanghai Public Health Clinical Center): SLC7A11-Mediated Angiogenesis in Mycobacterial Granulomas Promotes Infection.
Lunch

14:00 –15:05 Session 3
Chair: Andreas Kupz

14:00-14:20  Kerry Hilligan (Malaghan Institute of Medical Research): Intravenous BCG remolds the pulmonary innate compartment for enhanced control of respiratory pathogens.

14:20-14:40  Jianping Xie (Southwest University): The role of protein ISGylation in tuberculosis pathogenesis and control

14:40-15:00  Gergley Toldi (University of Auckland): Non-specific effects of BCG vaccination: implications on neonatal immune development.

15:00-15:30 invited presentation
Introduction: Carl Feng
Carolyn King (University of Basel): Immunity to Tuberculosis: Re-evaluating what we think we know.

15:3-15:40 Closing remarks
Warwick Britton (Centenary Institute)