

# SigN SEMINAR

*Hosted by Prof Lam Kong Peng*

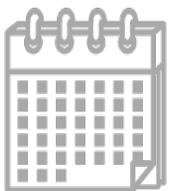


## Martin LOWE (PhD)

Professor of Cell Biology  
University of Manchester  
United Kingdom

### Inositol phosphatase control of lymphocyte receptor dynamics and signaling

Prof Lowe is a cell biologist with a long-standing interest in protein trafficking. He has studied the mechanisms governing trafficking in both the secretory and endocytic pathways and how these are dysregulated in various human genetic disorders. This has included analysis of the proteins involved in generating transport vesicles as well as the golgin family of vesicle tethering proteins. The Lowe lab also investigates how inositol lipid metabolising enzymes, specifically the inositol phosphatases, regulate endocytic traffic and receptor dynamics in different experimental models, from cells to zebrafish larvae. Recent work has focussed on the inositol phosphatase INPP5B and its paralogue OCRL, mutated in the genetic disorder Lowe syndrome, and their role in regulating the B-cell receptor in B lymphocytes. The presentation will discuss our latest findings on the inositol phosphatases in lymphocytes.



**21 March 2024 (Thursday)**  
**10.30 AM – 11.30 AM (Singapore Time)**  
**SigN Seminar Room**  
**8A Biomedical Grove, Immunos, #04-06**  
**Singapore 138648**

*Seminar is open for all to attend.*

*Registration is not required.*

