

2023 MIPS Seminar Program

 5 Jul 2023  12:00 to 1:00 pm  LT3

A DMPK SCIENTIST JOURNEY IN UNRAVELING THE MYSTERIES OF DRUG DISPOSITION

Dr Edna Choo

Senior Director and Principal Scientist, Drug Metabolism & Pharmacokinetics at Genentech.



Edna Choo received B.Pharm(Hons) and Ph.D degrees from Monash University in Melbourne, Australia. She continued her training as a Postdoctoral Fellow in Clinical Pharmacology at Vanderbilt University under the mentorship of Drs. Grant Wilkinson and Richard Kim. Following her post-doctoral training she was recruited as a Scientist in the Pharmacokinetics, Disposition and Metabolism department at Pfizer Inc., supporting small molecule drugs in development. Edna joined the Drug Metabolism and Pharmacokinetics department at Genentech in 2005 and is currently a Distinguished Scientist/Senior Director. She is currently a project team leader and leads a group supporting projects from early stage drug discovery to approvals.

Her Ph.D research focused on understanding the pharmacokinetics of drugs in liver disease. Her post-doctoral work investigated the role of transporters on drug disposition, specifically focusing on the role of P-glycoprotein in protecting “sanctuary” sites such as the brain. She maintains a deep interest in leveraging in vivo preclinical models to enhance our understanding of drug disposition. She has authored/co-authored over 50 publications.

Edna received the ISSX 2020 Distinguished Accomplishments in Drug Discovery and Development Award. She is a mentor and role model for multiple junior scientists and interns. She has made significant contributions to the ADME science, discovery and development of marketed products (cobimetinib and venetoclax) as well as numerous discovery and development programs.