

Team members

Functional Proteomics Laboratory (FPL)

Team Bio:



Dr. Chen Liyan

(Senior Research Fellow)

Liyan started her mass spectrometry career at the Singapore Eye Research Institute, providing analytical support for pharmacokinetic and metabolomic studies. She worked on the human tear metabolome and markers of diabetic retinopathy for her PhD at the National University of Singapore, and studied proteome-metabolite interactions as a postdoctoral fellow at Nanyang Technological University. She works on clinical research projects in biomarker discovery and personalized medicine, and is the lab's frontrunner in data-independent acquisition. Liyan also has several ongoing experiments outside the lab, such as optimizing conditions for growing vegetables and brewing coffee. She also runs a semi-exclusive board game pop-up shop from her car.



Dr. Lim Yan Ting

(Research Fellow)

Yan Ting received her PhD from the National University of Singapore generating funky antibodies against lipids and bacterial proteins. She profiled proteome-metabolite interactions using the cellular thermal shift assay (CETSA) during her postdoctoral stint at the Nanyang Technological University. Her present research focuses on addressing current questions in

immunology and the human interactome with mass spectrometry techniques. She loves singing and likes to catch up on her practice at work, so she can be caught humming a few tunes along IMCB's corridors or while pipetting.



Dr. Wint Wint Phoo
(Research Fellow)

Born in Burma, Wint pursued her undergraduate and post graduate studies in Singapore. She recently finished her doctoral studies from NTU, with focus on structural biology and biochemistry of non-structural protein 3 from flavivirus. She joins the functional proteomics laboratory to pick up proteomics skills which are complementary her skills set from PhD. Her current project focuses on discovering common target proteins involved in skin sensitization. Apart from being in a love- hate relationship with academia, she enjoys yoga, painting and reading to keep her balance and sanity.



Dr. Wang Loo Chien
(Research Fellow)

Jeremy is a postgraduate alumnus of National University of Singapore (NUS) where he was first introduced to the amazing world of vertical lines and numbers amazing people can use to

interpret the physical world (he later learned it is called a mass spectrum). He worked on understanding cellular changes using mass spectrometry (MS) techniques, particularly amide hydrogen/deuterium exchange. He then joined Nanyang Technological University (NTU) for his postdoctoral research studying membrane proteomics and protein-drug interactions using cellular thermal shift assay coupled with MS. Currently, he works on cancer proteomics through collaboration with local and international partners. His other research interests include (but are not limited to) metabolic changes induced by drug compounds as well as application of specific MS techniques to address important biological questions. Outside of research, he loves reading (this includes scientific papers, hopefully), playing computer and board games, and resting his mind's eye.



BSc. Tan Kiat Yi

(Research Associated B. Reversade Lab)

Kiat Yi graduated from the University of Toronto with Bachelor of Science in Biology. She works on collaborative projects with Institute of Medical Biology (IMB) and is also the lab's safety and procurement officer. Being the youngest in the group, she is also responsible to keeping the rest of the group updated on the latest social trends and catchphrases.



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