Group Research

The major research focus of the lab is on nano lipid membrane vesicles that are produced and secreted naturally by cells or synthesized in the lab. Our interest in natural vesicles targets primarily extracellular vesicles (EVs) secreted by stem cells or cancer cells, specifically their properties, biogenesis and applications in therapy and diagnostics. Synthetic lipid membrane vesicles are used to complement our research in natural vesicles and the applications EVs in therapy and diagnostics. We work closely and actively with academic scientific and clinical communities both nationally and internationally. We also collaborate with industry to translate and commercialise nano membrane vesicle technology for therapeutics, diagnostics and R&D.
Lab Members Achievements

Tan Soon Sim
Oral Presenter
ISEV 2013
Boston, USA
17-20 April, 2013

Ronne Yeo
Best Poster Presentation Award

Dorival Rodrigues
Junior Member Scholarship Award

Agnes Reiner
1st place (Young Innovator’s Award)
Global Falling Walls 2017

Lai Ruenn Chai
Oral Presenter
“Mesenchymal Stem Cell Exosome: A Novel Stem Cell-Based Therapy”