

24 January 2017

PhD student clinches IPMC Prize 2017



PhD student, Ms Lim Su Bin, receiving the prize from Mr John Sculley (former president of Pepsi-Cola and former ceo of Apple Inc), at the 2017 IPMC Prize Competition.

PHD student Ms Lim Su Bin (NUS Graduate School for Integrative Sciences and Engineering) is one of the two winners recognised for their outstanding research and technology in the areas of precision medical and precision food; ICT grafting; cell therapy; gene diagnosis and next-generation sequencing, at the 2017 IPMC Prize Competition held in Seoul, Korea, on 19 January.

Ms Lim's research, which is conducted under the supervision of Professor Lim Chwee Teck from the Department of Biomedical Engineering and Mechanobiology Institute, focuses on the microfluidic chip, the world's first in using microfluidic flow to isolate selected cancer cells for single cell analysis. Compared to tumour biopsy that involves surgery, this form of liquid biopsy is less invasive, less painful, can be done frequently, and provides accurate assessment of the cancer type and enables targeted or precised treatment.

Ms Lim received 3,000,000 won (approximately S\$37,000.00) worth of prize money as support for global commercialisation, such as commercialisation in conjunction with IPMC in the future, as well as the opportunity to present at the 2017 IPMC Conference. Ms Lim and Prof Lim are exploring further plans to commercialise the microfluidic chip for single cell analysis.

Organised by IPMC (International Precision Medicine Center), the world's first cell therapy-oriented precision medical service and community complex, the competition is held in conjunction with the 2017 IPMC Conference "Beyond Precision Medicine: From Womb to Heaven" in Seoul on 19 January. This is the first international conference hosted by IPMC.