Infectious Diseases Labs

ID LABS

Dr Wu Ruige

SIMTech
A*STAR, Singapore

Friday 4th August 2023
11:00am to 12:00pm (SGT)
Venue: Codon A & B @ Matrix Level 5

Lab-on-a-chip for biomedical applications

Lab-on-a-chip technology is to integrate laboratory processes or techniques onto a single miniaturised device. It offers a lot of advantages over conventional techniques, such as reducing sample/reagent consumption and waste generation, enhancing operational efficiency and manpower saving, etc. SIMTech Microfluidics Foundry (SMF) has worked closely with academic and industry partners to develop various Lab-on-a-chip solutions for various biological and biomedical applications. In this presentation, I will briefly introduce our work on miniaturized electrophoresis device for DNA/protein separation and collection, skin-on-a-chip platform, point-of-care diagnosis of diseases, etc

Dr Wu Ruige is Deputy Group Manager of Smart Microfluidics Group in SIMTech, A*Star. She received her PhD in Analytical Chemistry at the University of Hong Kong, then she joined SIMTech and worked as research scientist on microfluidics for various biological and biomedical applications. She has led development of microfluidic platforms for point-of-care diagnosis, Skin-on-a-chip model, etc., and accumulated extensive experience on translating biological protocols into engineering solutions.

Hosted by Prof Lisa Ng

Seminar is open to all. No registration required.

Questions? Contact us at **seminars@idlabs.a-star.edu.sg**

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