

Vietnam satellite program

Materials, Mimics, and Microfluidics: Engineering Tools for Mechanobiology (MBI 3M)

VN Time (GMT+7)	Thursday (July 22, 2021) Microfluidics and LOC Chair: Dr. Huynh Chan Khon, and Dr. Nguyen Thanh Qua
14:55 – 15:00	Opening remarks
15:00 – 15:30	Invited talk 1: Scaling-up microfluidic tools fabrication Dr. Cécile M. Perrault , Co-founder, CSO of Eden Tech, France
15:30 – 15:50	Invited talk 2 : Point-of-care devices for pathogen detections: Past, Present, and Future Dr. Trinh Kieu The Loan - Gachon University, Korea
15:50 – 16:05	Technical presentation 1: Designing lateral flow immunoassay for Cortisol quantification using low-cost resources Ms. Hoang Anh Le Phuc - International University, VNU-HCMC, Viet Nam
16:05 – 16:15	Break
16:15 – 16:45	Invited talk 3: Organ-on-a-chip systems: are they promising for application in aptamer selection and validation? Dr. Tran Thi Thanh Thoa . Senior Research Scientist, Aptagen LLC, USA
16:45 – 17:00	Technical presentation 2: VA-on-a-chip platform for modelling vascular anomalies Mr. Hoang-Tuan Nguyen - University of Oulu, Finland
17:00 – 17:05	Break
17:05 – 17:30	Invited talk 4: MEMS-based force sensors for measurement of droplet dynamics Dr. Nguyen Thanh Vinh , National Institute of Advanced Industrial Science and Technology (AIST), Japan
17:30 – 17:50	Technical presentation 3: Microfluidics in North Viet Nam: The fabrication and application Dr. Pham Van Nhat , University of Science and Technology Hanoi, Viet Nam
17:50 – 18:10	Technical presentation 4: Ultra-rapid prototyping of microfluidic systems: When micromilling meets microfluidics Dr. Nguyen Thanh Qua - International University, VNU-HCMC, Viet Nam
VN Time (GMT+7)	Friday (July 23, 2021) Biomaterials Research in Viet Nam Chair: Assoc. Prof. Nguyen Thi Hiep, and Dr. Vong Binh Long
14:55 – 15:00	Opening remarks
15:00 – 15:30	Invited talk 1: Translational research of drug-delivery natural polymers for biomedical application in tropical regions Prof. Tran Dai Lam , Institute for Tropical Technology, Ha Noi, Vietnam
15:30 – 16:00	Invited talk 2: A novel injectable electrosprayed nanosphere composite pH-temperature sensitive hydrogel containing chitosan–insuline for an insulin delivery system in type I diabetes treatment Assoc. Prof. Huynh Dai Phu , University of Technology, VNU-HCMC, Viet Nam
16:00 – 16:15	Technical Presentation 1: Chick chorioallantoic membrane assay as an <i>in vivo</i> model to study the effect of nanoparticle-based anticancer drugs in ovarian cancer M.Sc. Vu Thanh Binh , International University, VNU-HCMC, Viet Nam
16:15 – 16:30	Break

Registration link (Free for registration): <https://www.mbi.nus.edu.sg/3m2021/>

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16:30 –17:00	Invited talk 3: Folic acid-conjugated gelatin-g-pluronic p123 copolymers exhibiting a great potential for delivery of quercetin and paclitacel toward cancer therapy Assoc. Prof. Tran Ngoc Quyen , Institute of Applied Materials Science, HCM, Vietnam
17:00 – 17:30	Invited talk 4: Decellularized matrix for tissue engineering Dr. Nguyen Thi Ngoc My , University of Science, VNU-HCMC, Viet Nam
17:30 – 17:45	Technical Presentation 2: Silymarin-loaded redox nanoparticle for inflammation treatment Ms. Nguyen Thi Thu Ha , International University, VNU-HCMC, Viet Nam
17:45 – 18:00	Technical Presentation 3: Antimicrobial property of Ag-nanoparticle coated membrane. M.Sc. DDS. Thai Huy Thanh , International University, VNU-HCMC, Viet Nam

Join Zoom Meeting at:

<https://us02web.zoom.us/j/83017423367?pwd=VFZzbn8vOGpaay96RWZ6aG9weCtLQT09>

Meeting ID: 830 1742 3367 Passcode: 171378

Registration link (Free for registration): <https://www.mbi.nus.edu.sg/3m2021/>

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