

**Vietnam-UK Workshop on Microfluidics, Nanomaterials, and
Point-of-Care in Healthcare for developing countries
PROGRAMMES AND CONTENTS**

Date: 27 – 29 June 2018

Venue: Room A2-507 International University – Vietnam National University.
Quarter 6, Linh Trung, Thu Duc District, Ho Chi Minh City, Vietnam.

Day 1: 27 Jun, 2018	
8:00 – 8:30	REGISTRATION
PLENARY SESSION W1 – Room A2-104	
8:30 – 9:30	The Opening of the Conference
9:30 – 10:20	Keynote Lecture by Jeff Bulte
	Clinically Applicable MR Tracking of Naked, Scaffolded and Encapsulated Cells
10:20 – 10:30	Group photo
10:30 – 10:50	COFFEE BREAK – POSTER VIEWING
PLENARY SESSION W2 – Room A2-104	
10:50 – 11:40	Keynote Lecture by Ruth Nussinov
	Oncogenic K–Ras signaling and drug discovery
11:40 – 11:50	<i>Award Ceremony: Keylab prize</i>
11:50 – 12:00	MOU signing between IU and National Chung Hsing University, Taiwan and between BME Dept. – IU, Vietnam & BMSE Dept. – GIST, South Korea
12:00 – 13:00	LUNCH – POSTER VIEWING
W3G: Newton Workshop: Healthcare opportunities for developing countries – Room: A2.507	
13:00 – 13:15	Opening speech
13:15 – 13:50	Introduction
13:50 – 14:40	Mentor Talk: Challenges and Opportunities in Vietnam (Vo Van Toi - International University, Vietnam)
14:40 – 15:00	COFFEE BREAK – POSTER VIEWING
W4G: Newton Workshop: Healthcare opportunities for developing countries – Room: A2.507	
15:00 – 16:30	Interactive workshop session 1
16:30 – 17:30	Clinical Talk: Healthcare system in Vietnam (Nguyen Minh Tuan, Director General of the Ministry of Health's Medical Equipment and Construction Department)
18:00 – 20:00	BANQUET at Van Thanh Tourist Park
Day 2: 28 Jun, 2018	
PLENARY SESSION T1 – Room A2-104	
8:00 – 8:30	Keynote Lecture by Wellington Pham
	Molecular Imaging in The Era of Precision Medicine

T1G: Newton Workshop: Technological Development in Microfluidics, and Point-of-Care – Room: A2.507	
8:30 – 9:10	Mentor Talk: Micro magnetofluidics for tissue engineering and rapid disease detection (Nam-Trung Nguyen, Griffith University, Australia)
9:10 – 9:30	<i>Microfluidics droplets and their applications: diagnosis, drug screening and the discovery therapeutic enzymes (Liisa van Vliet, University of Cambridge, UK)</i>
9:30 – 9:50	<i>A microfluidic device for nucleic acid-based analysis of Helicobacter pylori (Kirsty Shaw, Manchester Metropolitan University, UK)</i>
9:50 – 10:10	<i>Low-cost Microfluidics fabrication method for the design of Point-of-care LAMP device (Nguyen Hoang Tuan, International University, Vietnam)</i>
10:10 – 10:30	COFFEE BREAK – POSTER VIEWING
T2G: Lab-on-a-chip & Point of care technologies – Room: A2.507	
10:30 – 11:15	Mentor Talk: Point of Care Diagnostics (Tony Cass, Imperial College, UK))
11:15 – 11:35	<i>Toward the Digital Hospital: from implant design to in – clinic biofabrication (Javier Munguia, Newcastle University, UK)</i>
11:35 – 11:55	<i>Technologies for coupling nanomaterials and microfluidic chemical sensors for interactive data transmission to a remote central server (Enobong Bassey, Coventry University, UK)</i>
11:55 – 12:15	<i>Trung Le (International University, Vietnam)</i>
12:15 – 13:00	LUNCH – POSTER VIEWING
T3-4G: Newton Workshop - SHTP Tour	
13:00 – 16:30	SHTP Tour
Day 3: 29 Jun, 2018	
F1G: Newton Workshop: Nanomedicine & Drug Delivery Systems – Room: A2.507	
8:00 – 8:45	Mentor talk: Plasmonic and Magnetic Nanoparticles for Biomedical (Thanh Nguyen, UCL, UK)
8:45 – 9:05	<i>Designing biotic-abiotic interfaces (Ben Almquist, Imperial College, UK)</i>
9:05 – 9:25	<i>Nanoneedles and Nanostructured for Studying Cell Interfacing (Stuart Higgins, Imperial College, UK)</i>
9:25 – 9:45	<i>Composite Nano-Fiber Mats Consisting of Biphasic Calcium Phosphate Loaded Polyvinyl Alcohol – Gelatin for Biomedical Applications (Linh Nguyen, Oxford, UK)</i>
9:45 – 10:05	<i>From Macroscopic to Microscopic: Experimental and Computational Methods to investigate Bio-Tribology (Raman Maiti, University of Sheffield, UK)</i>
10:05 – 10:20	COFFEE BREAK – POSTER VIEWING
F2G: Newton Workshop: Development of MN-LOC-POC in Vietnam Room: A2.507	
10:20-10:40	<i>Redox polymeric nanoparticle as an effective oral nanotherapeutics for inflammatory bowel disease and cancer (Vong Binh Long, University of Science HCMC, Vietnam)</i>

10:40-11:00	<i>Direct Detection of Unamplified Pathogen RNA in Blood Lysate using Ultrabright SERS Nanorattles (Ngo Thanh Hoan, International University, Vietnam)</i>
11:00-11:20	<i>Nguyen Thi Hiep (International University, Vietnam)</i>
11:20-11:40	<i>Recent Advances in Development of Microfluidic Systems in Viet Nam (Nguyen Tien Anh)</i>
11:40-12:00	<i>Investigation of a Digital Microfluidic (DMF) system for liquid droplet manipulation (Hoang Trung Thien, International University, Vietnam)</i>
12:00 – 13:00	LUNCH – POSTER VIEWING
F3G: Newton Workshop – Room: A2.507	
13:00-13:30	<i>British Council, Science and Innovation officer “Funding opportunities from Newton Fund in Vietnam”</i>
13:30-14:30	<i>Thinking outside the box: Multidisciplinary Approaches (talks of multidisciplinary collaborators, on the challenges and rewards of multidisciplinary research) - Bridget Wills (OUCRU, Vietnam) Cressida Bowyer (University of Portsmouth, UK)</i>
14:30 – 14:40	COFFEE BREAK
14:40-15:30	<i>Round table discussion and Closure</i>