Title: Challenges to translation in microfluidics and organ-on-chip
Venue: Room 235, Advanced Research Centre, University of Glasgow, 11 Chapel Ln, Glasgow G11 6EW

26th February 2026
17:30 – 19:00 Pre-registration and reception

Program on the 27th February 2026

Time	Speakers	Title
8:30	Registration	
8:50	Huabing Yin& Elsa Batista	Welcome
9:00-10:30	**Session1: Future Outlooks (Chair – Huabing Yin)**	
9:00-9:25 (**Keynote**)	**Prof Martin Knight** (*Queen Mary Univ. of London*)	Organ-on-a-chip Technology for Translation - a tale in 5 Models
9:25-9:40	Dr Elsa Batista (*Instituto Português da Qualidade*)	Advancing Standardization and Metrology in Microfluidics and Organ-on-Chip: Objectives and Challenges of the MFMET II Project
9:40-9:55	Prof Lourdes Basabe (*Univ. of the Basque Country – EHU*)	Beyond 2D: 2.3D Platforms and Functional Assays as Intermediate Physiological Systems — SCADA and CellStudio
9:55-10:10	Prof Matt Dalby (*Univ. of Glasgow*)	Bioengineering models of human bone marrow
10:10-10:25	Dr Sally Peyman (*Heriot-Watt Univ.*)	Sorry we could not delivery your parcel: Modelling the biophysical barriers to drug delivery in solid tumours
10:25–11: 00	**Coffee Break, Exhibition and Poster**	
11: 00- 12:25	Session 2: Standardisation (Chair - Thomas Schrøder Daugbjerg)	
11:00-11:25 (**Keynote**)	Dr Massimo Mastrangeli (*Delft Univ. of Technology*)	Approaching standards: steps along an MPS developer's journey
11:25 -11:40	Dr Vania Silverio (*INESC MN*)	The dark side of standardization
11:40 -11:55	Prof Nikolaj Gadegaard (*Univ. of Glasgow*)	3D - Design to Device in a Day
11:55-12:10	Dr Darwin R. Reyes (*NIST*)	Multiparametric Measurements in Organ-on-a-Chip Platforms
12:10-12:25	Maria Emmerich (*Technical Univ. of Munich*)	Building Design Automation Tools for Organs-on-Chip: Why Standards Matter
12:25 -12:45	Session 3: Flash talks (Chair - Kevin Romieu)	
12:45-14:00	**Lunch, exhibition, Poster**	
14:00-15:00	Session 4: Industrialisation (Chair: Massimo Vassalli)	
14:00-14:25	Professor Nan Zhang (*Univ. College Dublin*)	Design and Development of High-throughput Microfluidics for AI-driven nanoformulations for nanomedicine
14:25-14:40	Dr Axel Hochstetter (*Lifeonchip*)	Keeping living tissue alive on-chip: challenges in culturing and studying biopsies in microfluidic devices
14:40-14:55	Dr Alex Vasiev (*The Sanner group*)	Challenges in industrialising microfluidic systems
15:00-15:30 Round Table discussion, "show-stopping Challenges in organ-on-chip" Panellists: Dr Sally Peyman, Dr Joshua Loessberg-Zahl; Prof Julien Reboud Facilitator: Dr Vania Silverio		
15:35-15:40	Prof Huabing Yin	Closing remarks
15:40-17:40	Reception, networking	