

Workshop on Standardization of test methods in microfluidics

Organized by
 MFMET – Establishing metrology standards in microfluidic devices partners
 Microfluidic Association
 IPQ – Portuguese Institute for Quality
 INESC MN

Venue: IPQ, Rua Antonio Gião, 2 Caparica, Portugal

Date: 22 of May 2024 (start at 9 a.m.) – (end at 5 p.m.)

Start time	Presentation title	Speaker, Company, Country
	Test methods session I Convenor – Elsa Batista, IPQ	
9:00	Welcome presentation by the Host	João Alves e Sousa, IPQ, Portugal
9:15	Project MFMET main achievement and impact	Elsa Batista, IPQ, Portugal
9:45	Leakage protocol and measurements	Vania Silverio, INESC MN, Portugal
10:15	Coffee and Networking	
	Test methods session II Convenor – Kevin Romieu, CETIAT, France	
10:30	Measurement of flow quantities and volume	Kevin Romieu, CETIAT, France
11:00	Liquid and material properties measurements	Thomas Daugbjerg, DTI, Denmark
11:30	Microchips dimensional characterization	Joris Kaal, CEA, France
12:00	Q&A session	
12:30	Lunch	
	Academic application session III Convenor – Vania Silverio, INESC MN	
13:30	TOP: A Modular, Standards-Driven Approach to Organ-on-Chip"	Josh Loessberg-Zahl, CEN FGOoC, The Netherlands
13:50	Long-time characterization of single-cell swimming behaviour in microfluidic chamber	Camila Costa, IGC, Portugal
14:10	Measuring mechanical proprieties of materials and microdevices at meso, micro and nano-scale	Maria Beatriz Silva, IST/UL, Portugal
14:30	Microfluidics: From Centrifugal Microfluidics in Point-of-Care Applications to Automation in Clinical Settings	Sabrina Kartman, Hahn-Schickard, Germany
14:50	Coffee and Networking	

Industrial application session IV		
Convenor – Henne van Heeren, MFA		
15:10	Centrifugal Microfluidics Toolbox	André Magalhães, Biosurfit, Portugal
15:30	Can microfluidics be truly user-friendly?"	Camila Betterelli Giuliano, MIC - Microfluidics Innovation Center, France
15:50	A case-study for Inclusion & Diversity in standardization: Large-Area Manufacturing of Integrated Microfluidics	Auke Kronemeijer, TNO, The Netherlands
16:10	MFA standardization roadmap	Henne van Heeren, MFA
16:30	Visit to IPQ laboratory	
17:00	End of workshop	