

# Organ-on-a-Chip Summer Symposium

7 September 2022 1.30pm – 5pm

Clark-Kennedy Lecture Theatre, Queen Mary Innovation Centre, London

## Programme

The **keynote lecture** will be from Dr Lorna Ewart, Emulate Inc. on "Modernizing Drug Discovery & Development with Organ-Chip Technology".

1.30: Welcome

1.35: Abstracts session 1 (15min presentations)

- **Ed Carter**, Barts Cancer Institute, Queen Mary University of London: "Chimaeric Spheroids Reveal Dichotomic Roles for the Procollagen N-Proteinases ADAMTS2 and ADAMTS14 in Myofibroblast Differentiation and Cancer Invasion"
- **Molly Abbott**, Laboratory of Cerebral Ischemia, Radcliffe Department of Medicine, University of Oxford: "Developing An In Vitro Microfluidic Model To Study Spatially Defined Regulation Of Hypoxia-Inducible Factor In Neurovascular Cells"
- **Raul Silva**, CN Bio Innovations Ltd: "NASH Drug Discovery Using Human Microphysiological Systems"

2.20: Q&A

2.35: Flash talks (5min presentations)

- **Joseph Xavier**, National Heart and Lung Institute, Imperial College London: "Rapid fabrication of Lung-on-a-chip device for aerosol exposure studies"
- **Alice J Hann**, Department of Materials Science and Engineering, University of Sheffield: "Aligned PCL fibres produce lamellae-like twisting of collagen, for organ-on-a-chip models of cortical bone"

2.45: Q&A

2.50: Tea and refreshments

3.10: Abstract session 2 (15min presentations)

- **Alice Scemama**, Blizard Institute, Queen Mary University of London: "Investigating the role of cancer stem cells in metastasis of oral cancer using an in vitro microfluidic model"
- **Kalliopi Bokea**, Faculty of Medical Sciences, University College London: "Generation of patient derived renal cell carcinoma tumouroids"

3.40: Q&A

3:50: Keynote introduction: Mauro Perretti, Dean of Research & Research Impact SMD, QMUL

4.00: Keynote lecture: **Dr Lorna Ewart, Emulate Inc.** on "Modernizing Drug Discovery & Development with Organ-Chip Technology".

4.45: Q&A

5pm: Close and drinks reception – Let's celebrate the end of the Organ-on-a-Chip Technologies Network!

This is a hybrid event so while we encourage people to join in person where possible, there will be the option to participate remotely.

**Event information:** <https://www.cpm.qmul.ac.uk/events/symposium2022/>