



BHF Oxford Centre of Research Excellence
Bridging Frontiers in Organoid Research at Oxford
Tuesday 19th March 2024
St Anne's College, Woodstock Road, Oxford OX2 6HS



The focus of this event is to drive innovation in 3D in vitro models in Oxford. Talks will showcase diverse perspectives, explore new ideas and promote a collaborative and forward-thinking approach to the use of 3D in vitro models, their applications and related technologies. The sessions showcase the strength of organoid research at the University of Oxford, with speakers spanning cardiovascular sciences, neurosciences, oncology, and technology and platform development.

08.45 – 09.15 Registration – coffee & tea	Location: Ruth Deech Building
9.15 – 10.45 Session 1	Location: Mary Ogilvie Lecture Theatre
Chair: Filipa Simões	
<ul style="list-style-type: none"> • Introduction - Filipa Simões & Chris Toepfer • Simon Buczacki, NDS Title: Use of genetically modified human colon organoids to study early cancer evolution. • Tamiris Borges de Silva, NDCN Title: Cerebellar Organoids as Tools for Pathophysiology Studies. • Mootaz Salman, DPAG-Kavli Title: Defining mechanisms of blood-brain barrier dysfunction in neurodegenerative diseases using advanced organ-on-a-chip models. • Selin Tüzüner, DPAG-IDRM Title: Programming macrophages in the cardiac organoid niche during development, repair and regeneration. • Eszter Dombi, NDM-TDI Title: Development of a novel 3D co-culture model of glioblastoma. 	
10.45 – 11.30 Refreshment break – coffee & tea & fruit/pastries	Location: Dining Hall
11.30 - 13.15 Session 2	Location: Mary Ogilvie Lecture Theatre
Chair: Chris Toepfer	
<ul style="list-style-type: none"> • Luana Campos Soares, DPAG Title: 3D printing approaches to build the human cerebral cortex. • Abdullah Khan, MRC-WIMM Title: Vascularised organoid models for disease modelling in blood cancers, infection, and cardiovascular disease. • Gintare Smaguraskaite, RDM-CVMed Title: Modelling human inflammatory cardiomyopathies in iPSC-derived cardiac organoids. • Daniel Reumann, DPAG-Kavli Title: In vitro modelling of human brain development and disease. • Cheryl Tan, Ludwig Title: Advancing personalised cancer therapy: A Microfluidic-Based 3D Drug Testing Platform for Investigating Cardio-Neurotoxicity. • Ricardo Marquez Gomez, DPAG-Kavli Title: Developing microfluidic and 3D printing technologies to explore brain circuitry on-a-dish. • Final Remarks - Chris Toepfer & Filipa Simões 	
13.15 – 14.00 Networking lunch – hot buffet	Location: Dining Hall
14.00 – 15.00 Continued networking	