

Complex Organoid Systems with Multifaceted Interactions SYMPOSIUM

Faculty of Medicine
Montpellier

FREE REGISTRATION



On-site event
Call for posters
& short talks session
Networking event

JUNE 23 & 24
2026

MORE INFORMATION

<https://ptl-cosmic-pole-bs.umontpellier.fr/>



in collaboration with:



BIOHEALTH
RESEARCH DEPARTMENT
UNIVERSITÉ DE MONTPELLIER



BIOTHÉRAPIE
INNOVATION
OCCITANIE

PROGRAMME | TUESDAY, 23 JUNE 2026

8:30-9:00	REGISTRATION & WELCOME COFFEE
9:00-9:30	OPENING REMARKS Pierre-Emmanuel Milhiet, Biohealth cluster, University of Montpellier Nathalie Chazal, PTL COSMIC, University of Montpellier Bérénice Chaillou, Agence régionale AD'OCC
9:30-10:15	KEYNOTE LECTURE Organ-on-Chip: from fabrication to disease modeling Séverine Le Gac, University of Twente, Netherlands
10:15-10:30	A complex immuno-competent human bronchial organ-on-chip to study the inflammation induced by environmental stress in the airways John De Vos, IRMB, CHU Montpellier
10:30-10:45	Modeling Diffuse Low-Grade Gliomas Using Patient-Derived Tumoroids Jean-Philippe Hugnot, IGF, Montpellier
10:45-11:00	COFFEE BREAK – POSTER SESSION AND EXHIBITORS
11:00-11:30	Understanding host–pathogen Interactions in human organ on chip models Alexandre Grassart, Institut Pasteur de Lille
11:30-11:45	Modeling LMNA-associated dilated cardiomyopathy using patient-derived cardiac organoids Albano Meli, PhyMedExp, Montpellier
11:45-12:00	Plateforme Organoïde de Montpellier (POM) presentation, BioCampus Benjamin Ginter, BioCampus, Montpellier

FLASH TALKS SESSION

- 12:00-12:05 Ectopic implantation of vascularized hepatic spheroids in a mouse model of chronic liver disease
Sabrina Saidi, IRMB, Montpellier
- 12:05-12:10 Human midbrain organoids to study the role of influenza infection in Parkinson's disease pathogenesis
Maxime Gaudillat, IRIM, Montpellier
- 12:10-12:15 Personalized Phenotypic Liver Models for Drug-Induced Liver Injury Assessment
Sara Cherradi, PredictCan Biotechnologies
- 12:15-12:25 Collaborative Development of Human Auditory Organoids for Drug Testing
Sylvie Pucheu, CILCARE

12:30-14:15 LUNCH & NETWORKING SESSION**KEYNOTE LECTURE**

- 14:15-15:00** Human organoid models for decoding neuroimmune circuits during brain development
Simon Schäfer, Technical University of Munich, COS, Germany
- 15:00-15:30 Decoding NK–Stroma Crosstalk Interactions in leukemia using an Artificial Marrow Organoid Model
Valeria Bisio, Université Paris Cité, Institut de Recherche Saint Louis, Paris

15:30-15:50 COFFEE BREAK – POSTER SESSION AND EXHIBITORS

- 15:50-16:05 Deciphering the interferon-induced antiviral state against RNA viruses in physiologically-pertinent models of primary airway epithelia
Antoine Rebendenne, IRIM, Montpellier
- 16:05-16:20 Coupling single cell transcriptomics to microscopy-based deep learning provides novel insights onto HIV-associated neurological disorders
Emilie Bechard, IRIM, Montpellier
- 16:20-16:50 From Pluripotent Stem cells to organoids: application to human and domestic animals
Bertand Pain, Stem Cell and Brain Research Institute, Lyon

16:50-17:10 COFFEE BREAK – POSTER SESSION AND EXHIBITORS

- 17:10-17:25 SKINCEPTION – Immune Complementation of Human Skin Organoids to Model Early Myeloid–Epithelial Interactions
Fabien Blanchet, IRIM, Montpellier
- 17:25-17:40 The lengthening of Mest RNA into the extralong isoform MestXL regulates gene dosage in mouse brain organoids
Tristan Bouschet, IGF, Montpellier

FLASH TALKS SESSION

- 17:40-17:45 Studying the effects of pollutants on respiratory virus infection in human airway organoids
Elisabeth Pinel, IRIM, Montpellier
- 17:45-17:50 Beyond the Surface: High-Resolution Deep Imaging with LiveDRIM, **Simon Labouesse, RIMEO**
- 17:50-17:55 Advancing Developmental Neurotoxicity Testing with a Multiparametric 3D Cortical Neurosphere NAM
Kebieche Narimane, LCOMS, Université Lorraine
- 17:55-18:10 Generation of Tonsil-Derived Lymphoid Organoids: A Complex Cellular Model for Studying Immune Responses and Evaluating Innovative Therapies
Mireia Pelegrin, IRMB, Montpellier
- 18:10-18:25 From Wounded Skin to Living Biofilms: A Dynamic Model of Chronic Infection
Cassandra Pouget, VBIC, CHU de Nîmes
- 18:25-18:55 Title to be confirmed
Victor Racine et Christophe Latrille, QUANTACELL

19:00 COCKTAIL DINNER

PROGRAMME | WEDNESDAY, 24 JUNE 2026

KEYNOTE LECTURE

9:00-9:45

Organoids for virology: from monolayer Transwell to Gut-Brain Axis models
Katja Wolthers, Amsterdam University Medical Centers (UMC), Amsterdam

9:45-10:00

Personalized HIPEC for Peritoneal Metastasis from Colorectal Cancer: A Rapid, Ex-Vivo Platform for Treatment Optimization
Céline Gongora, IRCM, Montpellier

10:00-10:15

MicroBrains for PreClinical safety evaluation
Gautier Roussignol, Sanofi, Montpellier

10:15-10:30

Generation of Otic Sensory Neurons from Dental Pulp Stem Cells in 3D Culture
Azel Zine, LBN, Montpellier

10:30-10:50

COFFEE BREAK – POSTER SESSION AND EXHIBITORS

10:50-11:00

Scalable and reproducible brain organoid generation enabled by automation and AI-based decision-making
Emma Robertson, Molecular Devices

11:00-11:15

Human vascularized osteogenic organoids generated by highly immature mesenchymal stromal cells
Mathilde Aubery-Rousselet, RESTORE, Université Toulouse

11:15-11:30

Inside Organoids: Unlocking 3D Complexity with Volume EM and X-ray Imaging
Laurence Berry, MRI, BioCampus Montpellier

11:30-12:00

Development of a Human Lung-Liver-Lymph Node on a Chip Platform for Tuberculosis Modelling & Vaccine Evaluation
Céline Cougoule, Institut de Pharmacologie et Biologie Structurale, Université de Toulouse

12:00-12:15

AWARDS FOR BEST POSTER AND BEST FLASH TALK

12:30

CLOSING REMARKS



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