



Annual Scientific Meeting

France 2030 research program Organs & organoids on chip (PEPR MED-OOC)

May 27th & 28th, 2025

Tuesday, May 27th

9:30

Welcome coffee

10:00

Welcoming words by the institutional representatives - Franck Lethimonier / Thierry Galli ([Inserm](#)), Lionel Buchaillot ([CNRS](#)) and Anne-Isabelle Etievre ([CEA](#))

10:15

Presentation of the PEPR MED-OOC research program - Xavier Gidrol, Anne-Marie Gué, Maxime Mahé and Jean Rosenbaum ([PEPR directors](#))

10:45

Invited speaker - Franck Mouthon ([Agence de programmes de recherche en santé](#))

11:15

Organ-on-chip for disease modelling - Séverine Le Gac ([University of Twente](#))

12:00

Lunch break

13:30

TME on Chip: a first step towards harnessing organ on chip for personalized medicine for breast cancer treatment - Stéphanie Descroix and Luc Cabel ([Institut Curie](#))

14:15

Exploring cell-cell and cell-organoid interactions inside microfluidic droplets - Charles Baroud ([Ecole Polytechnique](#), [LadHyX](#))

14:45

Panel session on O&OoC for personalized medicine: Myth or Reality ?

15:15

Coffee break

15:45

Poster session

16:15

Presentation of O&OoC Open Translational Center

18:00

Cocktail

Session 1
Clinical Twins for
Personalized Medicine

Wednesday, May 28th

8:30

Welcome coffee

9:00

MAGIC : Multisensing and Advanced Growth of Islets on Chip - Sandrine Lablanche, Emily Tubbs, Fabrice Navarro (CEA Leti, CEA Irig)

9:45

Microelectrode arrays and microfluidics for the recording of reconstructed neuronal junctions and organoids - Benoît Charlot (CNRS, Université de Montpellier, Institut d'électronique et des systèmes UMR 5214)

10:15

Panel session on O&OoC sensors and actuators

10:45

Coffee break

11:15

Presentation of the O&OoC research field - Jean-Dominique Guitton (BioValley)

11:30

Poster session

12:00

Lunch break

13:30

MSY-OOC : Multi-organ coupling on a chip for metabolic syndrome monitoring - Muriel Vayssade and Cosmin Voican (CNRS, BMBI UMR7338)

14:00

Pharmacology and Transplantation - Florent Di Meo (Inserm, Université de Limoges, UMR1248)

14:30

EnVie : Technology for microenvironment engineering and imaging for organs-on-a-chip - Audrey Ferrand (Inserm) and Laurent Malaquin (CNRS, LAAS)

15:15

Panel session on O&OoC for new therapies

15:45

Closing remarks

16:00

Light refreshments

Session 2

O&OoC Sensors and Actuators for Digital Healthcare

Session 3

Multifunctional, Multi-organ O&OoC for New Therapies