

## Webinar Tissue and organ bioengineering

### Day 1 – 01/04/2026

#### Opening of the webinar

14h : S Bensallem (LUMIN, ENS Paris-Saclay) and ... (to be confirmed)

#### Ethics, regulations, social and economical impact of Tissue bioengineering

Chairman JC Duclos-Vallée and ... (to be confirmed)

14h10 – 14h40 : Ethics – H. Chneiweiss (Inserm)

14h40 – 15h10 : ATMP for tissue bioengin. – H. Rouard (EFS)

Break – 20 mn

#### Stem Cells / Spheroids / Scaffolds

chairman : A. Barakat and B David...

15h30 – 16h : Embryonic tissue development – F. Lemaigre (UCLouvain)

16h – 16h30 : Gut models – M. Mahe (Inserm UMR 1235) (to be confirmed)

16h30 – 17h : 3D Porous scaffolds – D. Letourneur (Inserm UMR 1148)

17h – 17h30 : Liver models – E Luce (Inserm UMR-1193)

### Day 2 – 02/04/2026

#### Introduction on Organ on Chip

9h30 – 10h : Introduction to on-chip strategies and modelisation – S Bensallem (LUMIN, ENS Paris-Saclay)

#### On Chip Strategies

Chairman: S Bensallem and ...

10h – 10h30 : Tissue fiber extrusion using microfluidics – S. Takeuchi (Université Tokyo) (to be confirmed)

Break – 15 mn

Chairman (to be confirmed)

11h15 – 11h45 : Cerebroids : Modeling a brain *in vitro* – F. Yates (Sup'Biotech - CEA) (to be confirmed)

11h45 – 12h15 : Spheroids in digital microfluidics – C. Baroud (Institut Pasteur)

#### LUNCH

Chairman JC Duclos-Vallée and B David

13h30 – 14h : Vessel on chip – A. Barakat (LadHyX, Ecole Polytechnique)

14h – 14h30 : Miniaturized liver lobule on chip (S Bensallem or Alan ..., ENS Paris Saclay)

#### Extracorporeal systems

Chairman JC Duclos-Vallée and B David

14h30 – 15h : Extracorporeal Lung – To be confirmed (APHP)

15h – 15h30 : Extracorporeal Liver – U. Pereira (CNRS BMBI - UTC)

Break – 15 mn

15h45 – 16h15 : Skin reconstruction – S. Banzet (IRBA)

16h15 – 16h45 : Bone reconstruction – H. Petite (B3OA UMR7052 U1271 - CNRS)

### Day 3 – 03/04/2026

#### Clinical applications

Chairman JC. Duclos-Vallée and S Kascakova

9h30 – 10h : Recellularization – P. Baptista (Aragon Health Sciences)

10h – 10h30 : Retinal reconstruction – K Ben M'Barek IStem

10h30 – 11 h : Tracheal reconstruction – E Martinod (APHP)

Break – 15 mn

10h45 – 11h15 : Multiphoton microscopy of tissues – E. Beaurepaire (LOB, INSERM-CNRS-Ecole Polytechnique) to be confirmed)

11h15 – 11h45 : Bioimpression Technologies – To be confirmed

#### End of the webinar