

April 3rd, 2020

Paris
and live broadcast

5th Day on technology innovation

From organoid to artificial organ

- ▶ 8:30 – 8:45 am **Welcome**
- ▶ 8:45 – 9:00 am **Introduction**

SESSION 1: TRANSLATIONAL APPLICATION OF ORGANOIDS

Chair:

- ▶ 9:00 – 9:30 am **3D Bioprinting: Current state-of-the-art** - Nathalie DUSSERRE, Bordeaux
- 9:30 – 12:45 am** **Organ-on-chips and organ crosstalk**
- ▶ 9:30 – 10:00 am ***State-of-the-art on microfluidics*** - Berend Van Meer (hDMT, Netherlands)
- ▶ 10:00 – 10:30 am **Translational considerations for liver organoids: from organ on chip to external bioartificial system** - Cécile LEGALLAIS, Compiègne
- ▶ 10:30 – 11:00 am **Building complexity in gut organoid to study innervation-** Maxime MAHE, Nantes
- ▶ 11:00 – 11:15 am **Break**
- ▶ 11:15 – 11:45 am **Cardiac and vascular organoids** - Jean-Sébastien HULOT, Paris

- ▶ 11:45 – 12:15 am **Colon organoid cultures: what tool for a pharmacologist ? - Nathalie Vergnolle, Toulouse**

- ▶ 12:15 – 12:45 am **Round table - Chair: Jean-Luc Galzi, Strasbourg**
Flash talks on biotech products/tools for research or clinical use (*biotech representatives tbc*)

- ▶ 12:45 – 1:45 pm **Break**

- ▶ 1:45 – 2:20 pm **(5) flash talks by young scientists - Chair: Christian Boitard, Paris**

SESSION 2: ARTIFICIAL ORGANS

Chair:

- ▶ 2:20 – 2:50 pm **Development of an artificial lung, microfluidics contribution - Olaf MERCIER, Le Plessis-Robinson**

- ▶ 2:50 – 3:20 pm **Recent advances in 3D printing for articular tissue engineering - Christian JORGENSEN, Montpellier**

- ▶ 3:20 – 3:50 pm **CARMAT: total artificial heart - Christian LATREMOUILLE, Paris**

- ▶ 3:50 – 4:20 pm **Retina: RPE derived from human embryonic stem cells disposed on human amniotic membrane, an update on the French RP clinical trial - Christelle MONVILLE, Evry**

- ▶ 4:20 – 4:50 pm **Round table: Insights and Ethics - Chair: François HIRSCH, Inserm Ethics Committee**
Julien GUIHAIRE, Le Plessis-Robinson - Christian JORGENSEN, Montpellier - Christian LATREMOUILLE, Paris - Christelle MONVILLE, Evry

- ▶ 4:50 – 5:00 pm **Conclusion**

