

Module : Tissue and organ bioengineering

Monday – 21/09/2020 – 1st session

Ethics / Cells / Spheroids / Matrice and Scaffolds / Boprinting

Spheroids

15h – 15h30 **Ethics** – Hervé Chneiweiss (*Inserm*)

15h30 – 16h **Tracheal reconstruction** – Emmanuel Martinod (*APHP*)

16H – 16H30 **Liver models** – Antonietta Messina (*Inserm UMR 1193*)

16h30 – 17h00 **3D Porous scaffolds** – Teresa Simon Yarza (*Inserm UMR 1148*)

17h – 17h30 **Recellulazization** – Pedro Baptista (*Health Research Institute of Aragon*)

Pause : 15 mins

Bioprinting

17h45 – 18h30 **Bioimpression technologies** – Christophe Marquette (*ICBMS UMR 5246*)

18h30 – 19h00 **Photopolymerization technology** – Pierre Nassoy (*Inserm U1029*)

Wednesday – 23/09/2020 – 2nd session

On-chip strategies and Extracorporeal system

16h – 16h30 **Liver** – Cécile Legallais (*UTC*)

16H30 – 17h00 **Vascular system** – Abdul Barakat (*Ecole Polytechnique*)

17h00 – 17h30 **Predictive toxicology** – Jacques Richard (*Sanofi*)

Pause : 15 mins

17h45 – 18h15 **Spheroids in digital microfluidics** – Charles Baroud (*Institut Pasteur*)

18h15 – 18h45 **Cerebroids : Modeling a brain in vitro** – Frank Yates (*Sup'Biotech - CEA*)

Thursday – 24/09/2020 – 3rd session

Pre-clinical applications / Economics

16h – 16h30 **Economics** – Etienne Bur (*IFBF*)

16H30 – 17h **Skin reconstruction** – Marina Trouillas (*IRBA*)

17h – 17h30 **Retinal reconstruction** – Olivier Goureau (*Institut de la Vision*)

Pause : 15 mins

17h30 – 18h **Human intestinal organoids generation and applications** – Maxime Mahe (*UMR 913*)