

 **Regenerative Medicine: October 8-9, 2018 organoids and model species** Auditorium Biopark Paris, France

ITMO BIOLOGIE CELLULAIRE, DEVELOPPEMENT ET EVOLUTION

**October 8th 2018**

**INTRODUCTION**

* 9 :30am -9 :45am **Thierry GALLI**, Director of ITMO Cell biology, development and evolution

 **Franck LETHIMONNIER**, Director of ITMO Health Technologies

**SESSION 1: «**Nervous system development and regeneration »

 *Chairpersons: Bertrand PAIN & Jean-Luc GALZI*

* 9 :45am – 10 :20am **Orly REINER**, Weizmann Institute, Israel. **Keynote lecture**

 « Using human brain organoids on a chip to model development and disease »

* 10 :20am – 10 :50am **Caterina BRITO**, iBET, Portugal

 « Exploiting 3D cell cultures to model disease microenvironment »

* 10 :50am – 11 :20am **Olivier GOUREAU**, Institut de la Vision, Paris, France

 « Retinal organoids from pluripotent stem cells: from development to disease »

* 11 :20am – 11 :50am **Muriel PERRON**, Neuro-PSI, Paris, France

 « Regeneration of the retina from Müller glial cells

* 11 :50am – 12 :00am **Ferid NASSOR,** CEA/DRF/IBFJ/SEPIA, Fontenay aux Roses, France

« Minibrain for prion-like diseases: a novel platform to engineer and study 3D humanneuroectodermic organoids derived from iPSCs »

* 12 :00am – 12 :10am **Rana SALAM,** Brain and Spine Institute (ICM), Paris France

 « Senescence during gliogenesis: tumor suppression or activator? »

* 12 :15am – 2 :15pm Lunch and poster session

**SESSION 2:** « Study of organ and tissue development in organoids »

 *Chairpersons: Joelle AMEDEE, Jean- Luc GALZi*

* 2 :15pm – 2 :45pm **David HAY**, CRM, Edinburg, United Kingdom

 « Producing self organizing human liver spheres from pluripotent stem cells »

* 2 :45pm – 3 :15pm **Xavier GIDROL,** BIG, Grenoble, France

 « Organoid-based functional genomics screening in development

 and carcinogenesis »

* 3 :15pm – 3 :45pm **Gérard GRADWOHL,** IGBMC, Strasbourg, France

 « Human pluripotent stem cell derived intestinal organoids to study cell fate

 and monogenic Diseases »

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* 3 :45pm – 3 :55pm **Géraldine GUASCH**, CRCM, Marseille, France

 « Generating epithelial transition zones organoids to study organs homeostasis and function »

* 3 :55pm – 4 :05pm **Nathalie VERGNOLLE**, IRSD, Toulouse, France

 « Thrombin modifies growth, proliferation and apoptosis of human colon organoids: a PAR-1 and PAR-4 dependent mechanism »

* 4 :05pm – 4 :15pm **Pascale DUPUIS-WILLIAMS**, UMR-S1174, Paris Saclay, France

« Bile duct organoids: self-organisation in 3D spheroids or tubes in natural ECM and PEG-derived hydrogels »

* 4 :15pm – 4 :40pm Coffee break

**SESSION 3:** « In vivo models of regeneration »

 *Chairpersons: Michel VERVOORT, Bertrand PAIN*

* 4 :40pm – 4 :50pm **Aurélie de THONEL**, Université Paris Diderot, Paris, France

 « The acetylation of Heat shock factor 2 by CBP/p300, governs its stability in normal and stress conditions: alteration in the Rubinstein-Taybi syndrome »

* 4 :50pm – 5 :00pm **Eve GAZAVE**, IJM, Paris, France

 « Posterior regenration in the Annelid *Playtynereis* »

* 5 :00pm – 5 :30pm **Eric ROTTINGER,** IRCAN, Nice, France

 « Regeneration is a partial redeployment of the embryonic gene

 regulatory network

* 5 :30pm – 6 :00pm **Uwe STRAEHLE**, KIT, Karlsruhe, Germany

 « Development and regeneration of the nervous system

 using the zebrafish as model »

**October 9th 2018**

**SESSION 4:** Round table, perspectives and ethics

 *Chairpersons: Joelle AMEDEE, Jean Luc GALZI, Bertrand PAIN,*

 *Michel VERVOORT*

* 9 :00am – 9 :30am Synthesis of Erdyn study, state of the art in France, in EU and in the world

 TBA

* 9 :30am – 10 :00am Clinical applications of organoids

 TBA

* 10 :00am – 10 :30am Ethics and reglementation

 TBA

* 10 :30am – 11 :00am Proposal of the **In**ternational **O**rganoid **C**hallenge (**InOC**)

 TBA

* 11 :00 am – 12 :00 am General discussion - Round table

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