

FSSCR ANNUAL MEETING 2021

PROGRAM

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CORUM de Montpellier, Amphithéâtre Pasteur
DAY 1 - TUESDAY NOV 9TH

10:00-11:00 Registration / Welcome

11:00-11:15 **Introduction**

Cécile Martinat - *President of the FSSCR*

SESSION 1 : ORGANOIDS

11:15-11:45 **Nuria Montserrat (IBEC, Barcelona)**

Engineering human pluripotent stem cells to understand human development and disease

11:45-12:15 **Vincent FLACHER (U. Strasbourg, France. GDR organoïdes)**

An innervated, vascularized and immunocompetent human skin model to study cutaneous neuroimmune interactions

12:15-12:30 **Selected Poster Teasers**

⇒ **Noémie Aurine (U. Claude Bernard, Lyon)**

Human and equine cerebral organoids as unique models to study neurotropic viruses

⇒ **Carla Sanjurjo Soriano (Institut des Neurosciences de Montpellier)**

Unrevealing pathophysiology associated to USH2A mutations using CRISPR and iPSC-derived retinal organoids

12:30-12:45 **Sponsors**

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12:45 – 13:45 LUNCH

SESSION 2 : DISEASE MODELS

13:45-14:15 **Nathalie Vergnolle (IRSD, Toulouse)**

Intestinal organoid cultures from patients: a good model for inflammatory bowel diseases?

14:15-14:45 **Julie Pannequin (IGF, Montpellier)**

Impact of colorectal cancer stem cells in tumor recurrence

14:45-15:00 **Selected Poster Teasers**

⇒ **Axel Sciauvaud (I-Stem, Corbeil-Essonnes)**

Harnessing pluripotent stem cells derivatives from patients with Wolfram syndrome to reveal pathological mechanisms and identify potential therapeutic chemical compounds

⇒ **Kawtar Arizkane (Centre de Recherche en Cancérologie, Lyon)**

Deciphering CML LSCs TKI-backing dormancy within a standardized 3D BM model

15:00-15:10 Sponsors

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15:10-15:25 BREAK

SESSION 3 : SELF ORGANIZATION

15:25-15:55 Nicolas Rivron (IMBA, Austria)

Blastoids: the self-organization of stem cells into mouse or human blastocyst-like structures

15:55-16:25 Bassem Hassan (INSERM, ICM, Paris)

Temporal control of neural stem cell behaviour during brain development

16:25-16:40 Selected Poster Teasers

⇒ **Nicola Festuccia (Pasteur Institute, Paris)**

The combined action of Esrrb and Nr5a2 is essential for murine naïve pluripotency

⇒ **Lounis Yakhou (UMR7216 Epigenetics and Cell Fate, Paris)**

A genome-wide CRISPR knock-out screen identifies novel epigenetic silencers of the 2C-like cell state

16:40-16:50 Sponsors

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16:50-17:05 BREAK

SESSION 4 : ETHICS

17:05-17:30 Bernard Baertschi (IEH2, Genève, Suisse)

Créer des chimères génétiquement modifiées pour nous soigner: est-ce bien moral?

17:30-17:40 Sponsors

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17:40- 20:00 Cocktail, poster & networking session

DAY 2 – WEDNESDAY NOV 10TH

SESSION 5 : STEM CELL NICHE

9:30-10:00 **Laure Bally-Cuif (Institut Pasteur)**

Single-cell and population control of neural stem cell maintenance in the adult vertebrate brain

10:00-10:30 **Kevin Chalut (Cambridge, UK)**

Mechanobiology of cell fate

10:30-10:45 **Selected Poster Teasers**

⇒ **Brendan Evano (Pasteur Institute, Paris)**

Dynamics of Asymmetric and Symmetric Divisions of Muscle Stem Cells In Vivo and on Artificial Niches

⇒ **Olivera Miladinovic (Sorbonne Université, Paris)**

Molecular dissection of the embryonic hematopoietic stem cell niche

10:45-10:55 **Sponsors**

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10:55-11:20 Coffee Break

11:20-11:40 **Philippe Berta (Député du Gard, rapporteur pour la révision de la loi de Bioéthique)**

La révision de la loi de Bioéthique dans le domaine de la recherche sur l'embryon et les cellules souches pluripotentes

11:40-12:00 **FSSCR General Assembly & Modalities for election of the Board**

12:00-13:30 Lunch Break

SESSION 6 : LINEAGES

13:30-14:00 **Thierry Jaffredo (IBPS, Paris)**

Hematopoietic stem and progenitor cell generation in the embryo and beyond

- 14:00-14:30 Leila Périé (Institut Curie, Paris)**
Family matters: the role of single cell families in hematopoiesis
- 14:30-14:45 Selected Poster Teasers**
⇒ **Matthew Borok (INSERM U955, IMRB, Créteil)**
Identification of satellite cell-specific enhancers
⇒ **Florence Perold (Institut Cellule Souche et Cerveau, Lyon)**
An unbiased screening for transcription factors and chromatin remodelers that reset pluripotent stem cells to naïve-like pluripotency

14:45-15:15 Coffee Break

SESSION 7 : REGENERATION

- 15:15-15:45 Valérie Planat-Bernard (Stromalab, Toulouse)**
“Mesenchymal stromal cells as structural connective cells for tissue function and regenerative medicine ”
- 15:45-16:15 Frédéric Relaix (IMRB, Créteil)**
Regulation of skeletal muscle stem cell functions and muscle tissue repair in Duchenne Muscular Dystrophy
- 16:15-16:30 Selected Poster Teasers**
⇒ **Pierre Layrolle (ToNIC, INSERM UMR 1214, Toulouse)**
Clinical bone regeneration with mesenchymal stem cells and biomaterials
⇒ **Payel Banerjee (Tefor, Paris Saclay)**
Role of arachnoid cells in the regeneration of the zebrafish mid-brain
- 16:30-17:00 Concluding remarks & Prizes**

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