

Spotlight on Stem Cells

June 3rd 2022 – Cité des Congrès de Nantes

8.00 Registration

8.20 Opening remarks

Chairpersons: Laurent David and Betty Gardie

- 8.30- 9.20 **Keynote lecture** (40' talk et 10' questions)
Thierry Jaffredo (IBPS, Paris)
« *New insights into the generation of hematopoietic stem and progenitor cells from human-induced pluripotent stem cells* »
- 9.20-9.30 **Selected short talk** (8' talk et 2' questions)
Edouard Samarut (UMR 1307)
« *Mitochondrial transfer in glioblastomas* »
- 9.30-9.40 **Selected short talk** (8' talk et 2' questions)
Elise Mozin (TaRGet U1089)
« *Somite differentiation in a dish with pluripotent stem cells for the study of development and disease* »
- 9.40-10.05 **Invited speaker** (20' talk et 5' questions)
Vianney Delplace (RMeS U1229)
« *Tuning the stem cell secretome with biomaterials* »
- 10.05-10.15 **Selected short talk** (8' talk et 2' questions)
Julie Warin (RMeS U1229)
« *From pluripotent stem cells to intervertebral disc progenitor cells : a reconstruction based on single-cell transcriptomics* »
- 10.15-11.30 **Poster Session / Coffee Break**
- 11.30-11.40 **Selected short talk** (8' talk et 2' questions)
Christelle Harly (CRCINA)
« *Innate lymphoid cell development* »
- 11.40-11.50 **Selected short talk** (8' talk et 2' questions)
Constance Onfray (CRTI)
« *Assessing human peri-implantation identity using stem cell models* »
- 11.50-12.00 **Selected short talk** (8' talk et 2' questions)
Nathan Provin (ITUN)
« *Differentiation of Human iPSc into Functional Thymic Organoids for in vitro T Cell Generation and Cell Therapy* »

12.00-12.25 **Invited speaker** (20' talk et 5' questions)
Claire Pecqueur (CRCINA)
« *Cancer stem cells: metabolic identification of a challenging target* »

12.25-14.00 **Lunch / Poster Session**

Chairpersons: Anne Camus and Maxime Mahé

14.00-14.50 **Keynote lecture** (40' talk et 10' questions)
Kevin Chalut (Wellcome - MRC Cambridge Stem Cell Institute)
« *Mechanobiology of cell fate transitions* »

14.50-15.00 **Selected short talk** (8' talk et 2' questions)
Simon Vales (TENS)
« *Bioengineering strategies for IPS-derived intestinal organoids* »

15.00-15.10 **Selected short talk** (8' talk et 2' questions)
Amandine Caillaud (l'institut du thorax)
« *What's next for human iPS-derived liver models?* »

15.10-15.35 **Invited speaker** (20' talk et 5' questions)
Vincent Guen (CRCI2NA)
« *The primary cilium in stem cell biology* »

15.35-16.00 **Coffee break**

16.00-16.25 **Invited speaker** (20' talk et 5' questions)
Omar El Mawas (IHST, UMR8590, Université Paris I Panthéon-Sorbonne)
« *A philosophical analysis of stem cells* »

16.25-17.15 **Keynote lecture** (40' talk et 10' questions)
Fabienne Lescroart (UMR 1251 - MMG « Marseille Medical Genetics »)
« *Cardiopharyngeal progenitor specification: Multiple roads to the Heart and Heart muscles* »

17.15 **Concluding Remarks**

Scientific committee members:

Anne Camus (UMR 1229)

Laurent David (PF IPSC, CRTI)

Nathalie Gaborit (UMR 1087)

Betty Gardie (UMR 1087)

Matthieu Giraud (ITUN)

Maxime Mahé (UMR 1235)

François Vallette (UMR 1307)



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