10th Scientific Day

"Single cells"

June 16, 2017

8h30 Registration open

9h **Welcome address Jacqueline Marvel,**
SFR Biosciences Director

9h10 **Keynote lecture Chantal Rabourdin-Combe**

Jeff Mold - Karolinska Institute
« Defining the Correlates of Protective T cell Immunity to Yellow Fever Virus
Vaccination by Single Cell RNA sequencing »

10h **Single cells technologies**
Thibault Andrieu, Sébastien Dussurgey, Jacqueline Marvel
« "Single cell" and Cytometry »
Christophe Chamot
« Expert system or experts for systems, who wins? »

10h20 **SFR Speakers**
Lucie Riglet (RDP)
« Role of microtubules in pollen tube growth in *Arabidopsis thaliana*»

10h35 **Arnaud Bonnaffoux (LBMC)**
« Stochasticity in single cell gene expression »

10h50 **Tea/Coffee break, posters and exhibition**

11h15 **Helena Todorov (CIRI)**
« Visualizing hidden structures in single-cell-data »

10th Scientific Day

"Single cells"

11h30 **Flash poster R&D**
- **Suzy Markossian : «** Cloning free mouse genome editing with CRISPR/Cas9 »
- **Philippe Mangeot :** « CRISPR and protein delivery in mouse embryo by innovative non coding Virus like particle. »
- **Thomas Henry :** « Detection of post-translational modifications by quantitative mass spectrometry: Ubiscan and innate immunity of the host cytosol »

12h00 **Poster Session**

13h00 **Lunch/Discussion**

14h20 **Keynote lecture**
Gilad Yaakov - Weizmann Institute of Science
« Survival of the fittest single cell? »

15h10 **SFR Speakers**
Yad Ghavi-Helm (IGFL)
« Regulatory genomics in Drosophila embryos: what can we learn from single cells? »

15h25 **Emilie Delaune (LBTI)**
« Mucosal uptake of polymeric nanovectors by antigen presenting cells in zebrafish, quantified by flow imaging approaches »

15h40 **Frédérick Arnaud (IVPC)**
« Organotypic brain slice cultures as a model to assess the early cell tropism of neurotropic viruses »

15h55 **Christian Lesterlin (MMSB)**
« Acquisition and establishment of antibiotic resistance in live bacterial cells »

16h10 Concluding Remarks