



Top Models...

Deciphering Biology Using Models

June 5, 2015

Preliminary Program

- 8h30 Registration open
- 9h Welcome Address
Jacqueline Marvel, SFR Biosciences Director
- 9h10 **Keynote lecture Chantal Rabourdin-Combe**
Cyril Zipfel (The Sainsbury Laboratory, Norwich, UK)
Regulation of receptor kinase-mediated innate immunity
- 10h **SFR Speaker**
Mohammed Bendahmane (RDP, Laboratoire de Reproduction et Développement des Plantes)
Arabidopsis and *Drosophila* as models to decipher the function of the Translationally controlled tumor protein, a conserved mitotic growth integrator in animals and plants
- 10h25 **Flash poster R&D**
Suzy Markossian New murine models obtained by *in vivo* genome editing by CRISPR/Cas9
Christophe Chamot OpenSPIM
Christophe Viret Analysis of Autophagy by ImageStream X
Baptiste Panthu New *in vitro* cell free system combined with mass spectrometry to highly decipher neo-synthesized proteins
- 10h45 Tea/Coffee break, posters and exhibition
- 11h15 **SFR Speakers**
Frédéric Arnaud (UMR 754, Rétrovirus et pathologie comparée)
Gaining insights into arbovirus-vector-host interactions through *in vivo* and *ex vivo* model systems
- 11h40 **Viktor Volchkov** (CIRI, Centre International de Recherche en Infectiologie)
Molecular basis of Ebola virus pathogenicity
- 12h05 Lunch / Posters / Exhibition





13h30 **Keynote lecture Chantal Rabourdin-Combe**

Michèle Crozatier (Centre de Biologie du développement, Toulouse)
The *Drosophila* hematopoietic niche. An *in vivo* model for deciphering the microenvironment that controls Hematopoietic Stem Cell

14h20 **Bioaster Presentation**

Gianfranco Grompone (IRT BIOASTER)
Predictive models: one of BIOASTER's technology research drivers.

14h45 **SFR Speaker**

Dominique Sigaud-Roussel (LBTI, Laboratoire de Biologie Tissulaire et d'Ingénierie Thérapeutique)
Gaining insights into skin dynamics through *in vivo* and *ex vivo* models.

15h10 Tea/Coffee break, posters and exhibition

15h40 **SFR Speakers**

Sophie Pantalacci (LBMC, Laboratoire de Biologie Moléculaire de la Cellule)
Gaining insights into morphogenesis with comparative transcriptomics and rodent molars.

16h05 **Hugo Aguilaniu** (IGFL, Institut de Génomique Fonctionnelle de Lyon)
Deciphering the Molecular Networks That Link Fertility and Metabolism to Longevity using *Caenorhabditis elegans*

16h30 Closing reception



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