

"Controlled experimental environments: from cells to ecosystems"

8h30 Registration open

Co-Chair : *François Leulier and Olivier Reynard*

9h Welcome address **Jacqueline Marvel (SFR Biosciences Director)**

9h10 **Invited lecture**

Marion Darnaud (Bioaster, Lyon) « Gnotobiotics: innovative and standardized *in vivo* models to explore microbiome »

9h25 **SFR Speakers**

Francesconi Mirko (LBMC) « Finding the causes and consequences of heterogeneity among single cells and single animals in a controlled environment »

9h40 **Stéphanie Reynard (CIRI)** « Ebola virus diagnosis in the field, example of the Pasteur Laboratory in Macenta, Guinea »

9h55 **Flash poster R&D**

Solène Vanderperre (PLATIM/IGFL) « Visualisation of protein complexes on DNA at the super resolution scale »

Valérie Robert (Cyto/LBMC) « FACS sorting of *C.elegans* germline nuclei »

Jean-Marc Vanacker (PRECI/IGFL) « Analysis of cancer cell invasion and metastasis in transparent zebrafish embryos »

10h15 **Tea/Coffee break, posters and exhibition**

Co-Chair : *Mohammed Bendahmane and Olivier Gandrillon*

10h45 **Invited lecture**

François Tardieu (INRA LEPSE, Montpellier) « Phenotyping for crop improvement in controlled and field conditions »

11h15 **Flash poster SFR platforms**

Caroline Costa (AniRA-vectorology) « Production of retroviral vectors based on MLV, HIV-1 and SIV by the AniRA-vectorology platform »

Maxime Ratiner (AniRA-L3) « AniRA-L3: A Biosafety Level 3 Laboratory to study the interactions between viruses and their vertebrate/invertebrate hosts »

Yann Leverrier (SFR Biosciences) « UMS Biosciences : new bio-containment facilities »

11h30 **Poster Session**

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12h30 **Lunch/Discussion**

Co-Chair : Yann Leverrier and Fabienne Archer

14h00 **Invited lecture**

Antonio Peixoto (TRI-IPBS Imaging Core Facility, Toulouse) « Microscopy and Flow Cytometry in a BSL3 laboratory: challenges and our experience feedback »

14h30 **SFR Speaker**

Emeline Perrier-Groult (LBTI)

« Recapitulating physical constraints on chondrocytes »

14h45 **Invited lecture**

Fabrice Vavre (Biométrie et Biologie Evolutive, Lyon)

« Symbiotron and Micro-be-have: two collaborative tools for the study of insects-microorganisms interactions in Lyon »

15h00 **SFR Speakers**

Léa François (RDP) « Molecular and genetic determinism of double flowers formation in roses »

15h15 **Short break**

Co-Chair : Amandine Blanco and Jérôme Lafont

15h30 **SFR Speakers**

Anja Böckmann (MMSB) « Wheat-germ cell-free protein synthesis of complex proteins for structural and functional studies »

15h45 **Abderrahman Khila (IGFL)** « Stable yet variable: the case of extreme growth variation in *Microvelia longipes* »

16h00 **Invited lecture**

Laurence Vico (Sainbiose – St Etienne) « Extreme conditions of spaceflight and skeletal adaptation »

16h30 **Concluding Remarks / ongoing discussion / closing with drinks**
