



Journée d'animation scientifique du plateau d'imagerie *in vivo* et transparisation de l'IERP

12 juin 2024, INRAE de Jouy-en-Josas

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BIOPROBE

université PARIS-SACLAY

université PARIS-SACLAY
graduate school
Health and
Drug Sciences



université PARIS-SACLAY
graduate school
Life Sciences
and Health



12 juin 2024

INRAE Jouy-en-Josas, Amphithéâtre Jacques Poly bâtiment 440

Event day - Program

9h30- 10h00 : Welcome coffee

10h00-10h15 : Introduction

SESSION 1 : Infectiology and inflammation

10h15-10h30 : High-content screening to decipher the role of *E. faecalis* in the progression of liver disease - Cristel Archambaud, MICALIS, INRAE Jouy-en-Josas

10h35-10h50 : Apports de la génétique inverse et du modèle poisson zèbre pour une meilleure compréhension des infections virus-hôte - Stéphane Biacchesi, VIM, INRAE Jouy-en-Josas

10h55-11h10 : Curcumin-mediated NRF2 induction reduces infections and alleviates inflammatory damage in preclinical models of cystic fibrosis - Audrey Bernut, CNRS, Montpellier

11h15-11h30 : A Fluorescence Integrated Zebrafish Larvae Screening Platform for Whole Body Imaging – Union Biometrica

SESSION 2 : Animal health, nutrition and environmental stress

11h35-11h50 : Impact du réchauffement climatique sur l'interaction hôte/pathogène dans un modèle Novirhabdovirus / Truite arc-en-ciel (*Oncorhynchus mykiss*) - Elise Gourhanic, IERP, INRAE Jouy-en-Josas

11h55-12h10 : Imaging microplastics ingestion and inflammation response in Zebrafish model - Stéphanie Devineau, BFA, Université Paris cité

12h15-12h30 : Improving nutritional programming in trout by using immunofluorescence 3D-imaging - Lucie Marandel, NUMEA, INRAE St-Pée-sur-Nivelle

12h35 – 14h00 : LUNCH - BUFFET

SESSION 3 : Behavior studies for refinement in animal experimentation

14h00-14h15 : Standard and custom behavioural tracking solutions on aquatic species -Viewpoint

14h20-14h35 : Individual video monitoring of rainbow trout in infectiology experiments - Dimitri Rigaudeau, IERP, INRAE Jouy-en-Josas

SESSION 4 : Research and development

14h40-15h10 : BASHY modular platform: Bioimaging applications - Fábio Miguel Figueiredo Santos, Faculty of Pharmacy, Universidade de Lisboa

15h15-15h30 : The mesoSPIM initiative Paris-Saclay : an open-source light-sheet microscope for 3D imaging of large cleared tissues and organisms. - Maxence Frétaud, IERP, INRAE Jouy-en-Josas

15h35-15h50 : Closing