

PHENOMIN 3rd European Advanced School for Mouse Phenogenomics

2019 SCHEDULE

Monday, May 20

Other: Departure on May 20 2019

The bus leaves Strasbourg train station to school location at 11:00 am

Other: Welcome

This time is dedicated to your welcome at the castle, your installation in your rooms, and lunch which will be served as a buffet. You are welcome at 1:45 p. m. in the conference room for the start of the school.

Other: Introduction

Yann HERAULT (PHENOMIN-ICS)

Introduction and introductory remarks

Course: European resources: general overview

Mohammed SELLOUM (PHENOMIN-ICS)

Course: Laboratory Mouse Genetics : basic overview

Lluís MONTOLIU (CNB-CSIS)

Lecture: Role of epigenetic in behavior studies

Isabelle MANSUY (UZH)

Workshop: Attendees' introduction (Part 1)

12 participants and the expert panel. Short presentation of the scientific project and the main scientific issue/question/problematic

Tuesday, May 21

Workshop: Attendees' introduction (Part 2)

6 participants and the expert panel. Short presentation of the scientific project and the main scientific issue/question/problematic

Course: Tips, tools and techniques to secure your mice projects and mouse colony management

Abdel AYADI (PHENOMIN-ICS)

Course: Mouse model generation and validation

Marie Christine BIRLING (PHENOMIN-ICS)

Course: Mutagenesis to decipher the mouse immune system

Bernard MALISSEN (PHENOMIN-CIPHE)

Mutagenesis to decipher the mouse immune system

Lecture: Mouse model for cancer research

Jos JONKERS (NKI)

Lecture: The genetic determinism of complex traits and mouse models of human pathologies

Xavier MONTAGUTELLI (Pasteur)

Other: Workshops introduction

workshop organization

Workshop: CASE STUDY (Workgroup)

workgroup: "Choose and valid your model" + oral restitution of key emerging messages by attendees

Wednesday, May 22

Course: Functional exploration, good practices, design to improve producibility of the data

Tania SORG (PHENOMIN-ICS)

Course: Experimental design and statistical analysis

Laurent VASSEUR (PHENOMIN-ICS)

Course: Imaging and pre clinical applications

Stéphanie LERONDEL (PHENOMIN-TAAM)

Imaging and pre clinical applications

Course: Behavior and sensory exploration: principle and case study

Hamid MEZIANE (PHENOMIN-ICS)

Course: Cardiovascular and respiratory diseases exploration: principle and case study

Ghina BOU ABOUT (PHENOMIN-ICS)

Course: Metabolic disorders exploration: principle and case study

Jorg HAGER (Nestle Institute of Health Sciences)

Course: Primary phenotyping of mouse embryos

Olivia WENDLING (PHENOMIN-ICS)

Course: Interest of aging in modeling human disease in mouse

Tania SORG (PHENOMIN-ICS)

Course: Crucial complementary aspects of functional analysis: anatomo pathology of the mouse

Hugues JACOBS (PHENOMIN-ICS)

Lecture: Animal-based studies will be essential for precision medicine

Jean-Louis MANDEL (IGBMC)

Workshop: CASE STUDY (Workgroup)

workgroup "Phenotype your model" + oral restitution of key emerging messages by attendees

Social Event: Trivia-quiz 80's-90's-guilty-pleasure-tunes dressed-up party

Hosted by France ! Bring your knowledge, nostalgia spirit and best fashion !! Don't hesitate to bring your 80 's 90's outfit + some sort of singing surprise

Thursday, May 23

Course: Animal model of human diseases and bioconfinement

Ana ZARUBICA (PHENOMIN-CIPHE)

Course: Microbiota and experimental mouse models of human disease

Guillaume PAVLOVIC (PHENOMIN-ICS)

General impact of microbiota on health: impact on phenotyping

Lecture: The impact of maternal microbiota on the function of the newborn immune system

Stephanie GANAL-VONARBURG (University of Bern)

The impact of maternal microbiota on the function of the newborn immune system

Round Table: Dirty mice and/or standardization ?

Ana ZARUBICA (PHENOMIN-CIPHE)

Herve LUCHE (PHENOMIN-CIPHE)

Lecture: Microbiota-host cross-talk in the juvenile growth and food allergy: lessons from gnotobiotic mouse models

Martin SCHWARZER (CAS)

Microbiota-host cross-talk in the juvenile growth and food allergy: lessons from gnotobiotic mouse models

Course: Immuno-phenotyping of mouse models in the Cytomics era

Herve LUCHE (PHENOMIN-CIPHE)

Immunoprofiling

Course: Ethic and welfare assessment

Isabelle GONCALVES (PHENOMIN-ICS)

Welfare assessment of GEMs

Workshop: CASE STUDY (Workgroup)

Ethic and welfare assessment

Friday, May 24

Course: Improving Bioscience Research Reporting

Isabelle GONCALVES (PHENOMIN-ICS)

Other: International Mouse Phenotyping Consortium (IMPC)

Luis SANTOS (MRC)

Using IMPC data

Round Table: Animal research and Society

Sara WELLS (MRC)

Round Table: 3 key emerging points

Other: Last day / Return on May 24 2019

Bus leaves school location to Strasbourg train station at 2:00 PM.

Other: PHENOMIN-ICS phenotyping facility's tour- upon registration
