

PHENOMIN 3rd European Advanced School for Mouse Phenogenomics 2019 SCHEDULE

Monday, May 20

Other: Introduction

Yann HERAULT (PHENOMIN-ICS)

Introduction to the advanced school

Course: Mouse genetics

Mohammed SELLOUM (PHENOMIN-ICS)

European resources: general overview

Course: Mouse genetics

Lluís MONTOLIU (CNB-CSIS)

Laboratory Mouse Genetics : basic overview

Lecture: Mouse genetics

Xavier MONTAGUTELLI (Pasteur)

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

Workshop: Attendees' introduction (Part 1)

Tuesday, May 21

Workshop: Attendees' introduction (Part 2)

Course: Mutagenesis

Marie Christine BIRLING (PHENOMIN-ICS)

Mouse model generation and validation

Course: Mutagenesis

Bernard MALISSEN (PHENOMIN-CIPHE)

Mutagenesis to decipher the mouse immune system & the humanized mice

Lecture: Mouse model for cancer research

Jos JONKERS (NKI)

Lecture: Role of epigenetic in behavior studies

Isabelle MANSUY (UZH)

Workshop: CASE STUDY (Workgroup)

Choose and valid your model

Wednesday, May 22

Course: Functional tests and preclinical studies, and limits of the mouse model

Patrick REILLY (PHENOMIN-ICS)

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

Course: Functional tests and preclinical studies, and limits of the mouse model

Laurent VASSEUR (PHENOMIN-ICS)

Experimental design and statistical analysis

Course: Functional tests and preclinical studies, and limits of the mouse model

Stephanie LERONDEL (PHENOMIN-TAAM)

Imaging and pre clinical applications

Course: Functional tests and preclinical studies, and limits of the mouse model

Hamid MEZIANE (PHENOMIN-ICS)

Behavior and sensory exploration: principle and case study

Course: Functional tests and preclinical studies, and limits of the mouse model

Ghina BOU ABOUT (PHENOMIN-ICS)

Cardiovascular and respiratory diseases exploration: principle and case study

Course: Functional tests and preclinical studies, and limits of the mouse model

Patrick REILLY (PHENOMIN-ICS)

Metabolic disorders exploration: principle and case study

Course: Functional tests and preclinical studies, and limits of the mouse model

Olivia WENDLING (PHENOMIN-ICS)

Primary phenotyping of mouse embryos

Course: Functional tests and preclinical studies, and limits of the mouse model

Tania SORG (PHENOMIN-ICS)

Interest of aging in modeling human disease in mouse

Course: Functional tests and preclinical studies, and limits of the mouse model

Hugues JACOBS (PHENOMIN-ICS)

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

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

Jean-Louis MANDEL (IGBMC)

Workshop: CASE STUDY (Workgroup)

Phenotype your model

Social Event

Thursday, May 23

Course: Animal Science

Abdel AYADI (PHENOMIN-ICS)

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

Course: Animal Science/ bioconfinement/ immunity

Ana ZARUBICA (PHENOMIN-CIPHE)

Health status and bioconfinement

Course: Microbiota and experimental mouse models of human disease

Guillaume PAVLOVIC (PHENOMIN-ICS)

General impact of microbiota on health: impact on phenotyping

Lecture: Microbiota and Immunity

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 and experimental mouse models of human disease

Martin SCHWARZER (CAS)

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

Course: Microbiota and experimental mouse models of human disease

Herve LUCHE (PHENOMIN-CIPHE)

Immunophenotyping

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: Data integration

Luis SANTOS (MRC)

Round Table: Animal research and Society

Sara WELLS (MRC)

Round Table: 3 key emerging points

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