

Scientific and technical environment of the training course



Institut de génétique et de biologie moléculaire et cellulaire

<http://www.igbmc.fr>

PHENOMIN - ICS

<http://www.phenomin.fr/>

COURSE DIRECTOR

Yann HERAULT

Senior researcher
UMR 7104

LOCATION

ILLKIRCH (67)

ORGANISATION

3.5 days

Training course in english

From Tuesday, 2.p.m to Friday, 5 pm.

From 7 to 10 attendees

Mandatory on week quarantine to access animal facilities

TRAINING FEES

1850 Euros

AT THE END OF THE TRAINING COURSE

Satisfaction survey from trainees

A certificate of attendance is delivered.

COURSE DATE

Ref. 17 232 : from tuesday 14/03/2017 to friday 17/03/2017

January	February	March 17 232	April
May	June	July	August
Sept.	Oct.	Nov.	Dec.

Mouse model for diseases: approaches for phenotyping

NEW

OBJECTIVES

- Provide a general framework to learn the basic knowledge and know-how in phenotyping in order to answer "What's wrong with my mice"
- Understand the interest of phenotyping to characterize gene function in mouse models
- Learn about the scientific and ethical considerations in phenotyping
- Hear about the current web resources available
- Learn good practices by experimentation

AUDIENCE

The training is opened to graduate students (PhD), post-doctoral scientists, researchers, and engineers To adapt the programme for the trainees' expectations, we invite the attendees to download and fill out the survey from our web site. Please send it back to the indicated contact email before the training session.

PRE-REQUIREMENT

Attendees must have a basic knowledge in mouse physiology and to be able to handle mice.

TRAINING PROGRAMME

Training consists in lectures / courses in the morning and workshops in the afternoon. Click [HERE](#) for detailed programme.

Courses (In the morning)

- Phenotyping or functional analysis: cardiology, behavior, blood chemistry, imaging, metabolism, neurobiology, pathology. Evaluation of the embryonic lethality: first strategy
- Experimental design: basic notions in mutagenesis, statistics, ethics and legislation
- The large research consortia and Data banks

5 Workshops: What's wrong with my mice? (In the afternoon)

- Behavior phenotyping: first approaches (Shirpa, Rotarod and Openfield)
- Applications of echography to cardiac and embryo phenotyping
- Blood sampling demonstration
- Anatomico-pathology: the necropsy as the crucial and complementary step to the in vivo studies
- Dissection of embryos in perinatal developmental step

Interactive Discussion Groups (at the end)

This session consists of open-ended questions in order to allow each attendee to consider their own scientific issue.

SPEAKERS

PHENOMIN-ICS's staff: M-C. Birling, P. Reilly, G. Amale BouAbout, M-F. Champy, H. Jacobs, H. Meziane, M. Selloum, L. Vasseur, O. Wendling (PhDs or Pharm.Ds), L. Vasseur, L. Pouilly (Engineers) and I. Goncalves (DMV, Veterinarian)

This training is organized by the French National Infrastructure in Mouse Phenogenomics PHENOMIN in collaboration with CELPHEDIA Networks and Infrastructure.