



Agenda

DAY 1 – EUMODIC planning

Session 1: Introductions (Lluís Vives room)

Chair: Fatima Bosch, UAB

09:00 – 09:10 **Introduction to the meeting**
Steve Brown, MRC Mammalian Genetics Unit

09:10 – 09:45 **From phenotype to genotype**
John Hancock and Ann-Marie Mallon, MRC Mammalian Genetics Unit

Session 2: 10:00 – 12:30

Breakout meetings of EMPReSSslim workgroups - finalisation of SOPs and agreement on parameters measured

Workgroup 2: Clinical chemistry, infection and immune

Workgroup 3: Cardiovascular and respiratory

Workgroup 4: Behaviour and sensory

Workgroup 5: Skeletal and imaging

Workgroup 6: Cancer and pathology

10:45 - 11:15 *TEA AND COFFEE* outside meeting rooms

12:45 – 14:00 *LUNCH*

Session 3: Presentations from EMPReSSslim workgroups - SOPs and parameters measured

Chair: Martin Hrabé de Angelis, GSF

14:00 - 14:15 **Workgroup 2: Clinical chemistry, infection and immune**

14:15 - 14:30 **Workgroup 3: Cardiovascular and respiratory**

14:30 - 14:45 **Workgroup 4: Behaviour and sensory**

14:45 - 15:00 **Workgroup 5: Skeletal and imaging**

15:00 - 15:15 **Workgroup 6: Cancer and pathology**

15:15 – 15:45 *TEA AND COFFEE*

15:30 **Photo**



**The European Mouse Disease Clinic:
A distributed Phenotyping Resource for Studying Human Disease.**

Session 4: Large-scale mutagenesis and phenotyping

Chair: Steve Brown, MRC

- 15:45 - 16:05 **EUCOMM update**
 Wolfgang Wurst, GSF
- 16:05 - 16:20 **Infrafrontier: The European Infrastructure for Phenotyping and**
 Archiving of Mammalian Models
 Martin Hrabé de Angelis, GSF
- 16:20 - 16:30 **EUCOMM/EUMODIC Welfare Advisory Committee**
 Steve Brown, MRC MGU
- 16:30 – 16:40 **High throughput phenotyping supported by a workflow management**
 system - experiences of the GMC
 Christoph Lengger, GSF
- 16:40 – 17:30 **Open Discussion on primary phenotyping**

Session 4: 17:30 – 18:30

Workgroup sessions - by invitation only

EUMODIC board and SAB

Marie Curie, 1st floor

EUCOMM/EUMODIC Welfare Advisory Committee meeting

Bertrand Russell, 1st floor

Workgroup 1: Bioinformatics and high throughput phenotyping

Jean Piaget, 2nd floor

PRIME Pathology Training Initiative

J.M.Keynes, 2nd floor



**The European Mouse Disease Clinic:
A distributed Phenotyping Resource for Studying Human Disease.**

Day 2: EUMODIC presentations - Lluís Vives

Session 1: High throughput phenotyping: data resources

Chair: Glauco Tocchini-Valentini, CNR

- 09:25 – 09:30 **Introduction**
Steve Brown, MRC Mammalian Genetics Unit
- 09:30 - 09:45 **Mouse Phenome Database**
Molly Bogue, The Jackson Laboratory
- 09:45 - 10:00 **Mouse Phenotype Database in RIKEN**
Hiroshi Masuya, RIKEN
- 10:00 - 10:15 **Integration of mouse phenome data resources**
John Hancock, MRC MGU

Session 2: Secondary phenotyping

Chair: Johan Auwerx, ICS

- 10:20 - 10:40 **Dual role of IL-17 in the development allergic asthma**
Bruno Schnyder, CNRS
- 10:40 - 11:00 **Mouse models of human immunological disease and sensitised ENU
mutagenesis screens.**
Eleni Douni, BSRC “Alexander Fleming”
- 11:00 - 11:30 ***TEA AND COFFEE***
- 11:30 – 11:50 **Systems biology and drug target evaluation of plasma membrane
calcium ATPase 4**
Elizabeth Cartwright, University of Manchester
- 11:50 - 12:10 **Morphological analysis of blood vessels during non-proliferative
retinopathy in animal models**
Jesús Ruberte, CBATEG
- 12:10 - 12:30 **Behavioural alterations in mice lacking the Parkinson's disease
associated GPR37 receptor**
Silvia Mandillo, CNR IBC

Parallel session - Marie Curie – 1st floor

- 11:00 - 13:00 **International phenome working group - by invitation only**
- 12:35 - 14:00 ***LUNCH***



**The European Mouse Disease Clinic:
A distributed Phenotyping Resource for Studying Human Disease.**

Session 2 (cont.): Secondary phenotyping

Chair: Karen Steel, Sanger

- 14:00 - 14:20 **Gene-environment interactions in behavioural phenotyping**
Magdalena Kallnik, GSF
- 14:20 – 14:40 **Characterisation of mouse mutants with circadian rhythm and**
entrainment anomalies
Pat Nolan, MRC Mammalian Genetics Unit
- 14:40 - 15:20 **Genome anatomy of C57BL/6 and exploration of SNPs for energy**
metabolism
Toshihiko Shiroishi, National Institute of Genetics / RIKEN
- 15:20 - 15:50 *TEA AND COFFEE*

Chair: Steve Brown, MRC

- 15:50 - 16:20 **Filamin B represses Runx2 to maintain cartilage in the vertebral skeleton**
Monica Justice, Baylor College of Medicine
- 16:20 - 16:40 **Chronic pancreatitis is essential for induction of pancreatic ductal**
adenocarcinoma by K-Ras oncogenes in adult mice
Carmen Guerra, CNIO
- 16:40 - 17:30 **Open discussion**
- 17:30 **Meeting closes**