

INFRAFRONTIER vision

INFRAFRONTIER aims to build a world-class research infrastructure that provides the biomedical research community with the tools needed to unravel the role of gene function in human disease.

INFRAFRONTIER mission

INFRAFRONTIER will shape the European Research Area in the field of mouse functional genomics and thereby make an important contribution to the study of human disease

INFRAFRONTIER will set standards for systemic phenotyping of mouse models and for archiving and distribution of mouse mutants in Europe

INFRAFRONTIER will offer highest-quality services and cutting-edge technologies provided by the leading labs in Europe

INFRAFRONTIER will disseminate knowledge by state-of-the-art training courses

Contact

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Models of rare and common diseases

INFRAFRONTIER is the European research infrastructure for phenotyping and archiving of model mammalian genomes

More than 4.000 mouse strains in the European Mouse Mutant Archive (EMMA)

Archiving by EMMA: Free of charge for depositor; IP stays with depositor; world wide distribution

Part of the International Mouse Phenotyping Consortium (IMPC) effort to create the first catalogue of mammalian gene function





Deposit mice

Free of charge archiving of mutant mouse strains from all over the world to facilitate their distribution



Order mice

Over 4000 mutant mice lines carrying targeted, transgenic induced and other types of mutation, from individual researchers, major collections and large-scale projects



NKI GEMM-ESC archive

Rapid target gene validation in complex cancer mouse models



Mouse production & phenotyping

Production of heterozygous mice carrying a targeted allele of choice and comprehensive first-line phenotyping of a mutant line with appropriate control



Axenic service

Generation and maintenance of animals in germ-free or axenic environment and with the possibility to restore specific components of micro flora



Training & Consulting

Hand-on cryopreservation courses, training in first-line mouse phenotyping, consulting on design and construction of animal facilities



INFRAFRONTIER
mouse disease models

International Partnership

ESFRI Roadmap

INFRAFRONTIER is one of the implemented projects on the Roadmap of the European Strategy Forum on Research Infrastructures (ESFRI)

European & International Collaborations

INFRAFRONTIER contributes to the global IMPC effort to produce the first comprehensive catalogue of mammalian gene function

INFRAFRONTIER cooperates with the International Rare Diseases Research Consortium (IRDiRC) to provide mouse resources for rare diseases research

INFRAFRONTIER is partner in the IMI EMTRAIN network which brings together academia and EFPIA to improve education and training in medicines research

BSRC Alexander Fleming, Greece
www.fleming.gr

Catholic University Leuven, Belgium
www.kuleuven.be

CERBM-GIE, Institut Clinique de la Souris, France
www.ics-mci.fr

CIPHE-INSERM, France
www.ciml.univ-mrs.fr

CNR, Italy
www.cnr.it

CNRS, France
www.transgenose.cnrs-orleans.fr

National Centre for Biotechnology, Spain
www.cnb.csic.es

EMBL-EBI, United Kingdom
www.ebi.ac.uk

Helmholtz Center for Infection Research, Germany
www.helmholtz-hzi.de

Helmholtz Center Munich, Germany
www.helmholtz-muenchen.de

Instituto Gulbenkian de Ciência, Portugal
www.igc.gulbenkian.pt

Institute of Molecular Genetics, Czech Republic
www.img.cas.cz

Karolinska Institute, Sweden
www.ki.se

MRC Harwell, United Kingdom
www.har.mrc.ac.uk

Netherlands Cancer Institute, The Netherlands
www.nki.nl

Sanger Institute, United Kingdom
www.sanger.ac.uk

Tel Aviv University, Israel
www.tau.ac.il

Toronto Centre for Phenogenomics, Canada
www.phenogenomics.ca

TSE Systems GmbH, Germany
www.tse-systems.com

Universitat Autònoma de Barcelona, Spain
www.uab.cat

University of Copenhagen, Denmark
www.ku.dk

University of Oulu, Finland
www.oulu.fi

University of Veterinary Medicine, Austria
www.vetmeduni.ac.at