



InfrafrontierGR/PHENOTYPOS

## InfrafrontierGR/Phenotypos Research Infrastructure Trans-regional Access call - June 2019

### Mouse Model Development

#### Context and aim of the call

*InfrafrontierGR/Phenotypos* ([www.infrafrontier.gr](http://www.infrafrontier.gr)) is the Greek Research Infrastructure for the Molecular, Behavioral and Phenotypic Analysis of Mouse Models for Human Chronic Degenerative Diseases. The infrastructure provides access to first-class expertise and tools for biomedical research, with core services covering the systemic phenotyping of mouse mutants in Greek regional mouse clinics, and the generation, archiving and distribution of mouse mutant lines through the Greek node of the European Mouse Mutant Archive (EMMA)

Main objective of this call is to **deliver free-of-charge, two novel mouse models of human disease** to the biomedical research community (academic and non-academic) based in Greece. The novel mouse lines should advance knowledge of human disease and should be of widespread use in biomedical science. Recent advances in genome editing technology will be used to develop the new mouse models.

Access to this free-of-charge-service will be granted mainly on the basis of the applicant's research plans and the potential impact of the proposed novel mouse line on the wider biomedical research community.

#### Call information and application form

For more information, including eligibility criteria, selection procedure and call application form please visit <https://www.infrafrontier.gr/copy-of-news-events-news-31>

Proposal submission to [infrafrontiergr@fleming.gr](mailto:infrafrontiergr@fleming.gr) by 31/07/2019.

Proposal evaluation from 01/08/2019 to 01/09/2019.

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# INFRAFRONTIER-GR: AN OPEN ACCESS INFRASTRUCTURE FOR THE DISEASE-ORIENTED ANALYSES OF PRECISION MUTATIONS

## WHAT WE DO

**CREATE**  
Precision  
mutations  
in the  
mouse

**ANALYZE**  
In disease  
settings  
for human  
health

**STORE**  
in the European  
Biobank (EMMA)

**SHIP**  
To a world  
of research



## OUR MISSION

A Hellenic Infrastructure of Excellence in Biomedical Research that provides innovative mouse resources and tools to study gene function in human disease and evaluate new therapeutics

## OUR PRINCIPLES

- Harmonisation with International Quality Standards
- Open Access services
- 4Rs
- Data FAIRification

## DISEASE AREAS WE SCREEN

- Inflammatory Bowel Disease
- Arthritis
- Infection
- Neurodegeneration
- Mental Disability
- Metabolic Disorders
- Cancer

## THE MOUSE AS A MODEL

- 30 Nobel prizes
- Preclinical Evaluation of Therapies
- Human and Mouse Pathophysiological Processes are well Correlated
- Straightforward Genetic Manipulation

## WHAT WE OFFER

**Standardised Evaluation Procedures**

- 10 Phenotyping & Metabolic Pipelines
- 80 SOPs

**Validated Mouse Models**

**Non-invasive & Invasive Methods**

**Secondary to Tertiary Phenotyping**

**State-of-the art Infrastructure**

- FACS
- $\mu$ CT imaging
- Proteomics
- Ultrasound imaging
- Optical / X-ray Imaging
- PET/CT imaging
- Endoscope imaging
- Histopathology infrastructure
- Biochemical Analyser
- Hematology Analyser
- Gene Editing infrastructure

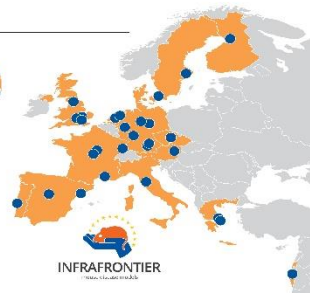
## THE PARTNERS



"ALEXANDER FLEMING"  
Biomedical Sciences Research Center



HELLENIC REPUBLIC  
National and Kapodistrian  
University of Athens



INFRAFRONTIER

[www.infrafrontier.gr](http://www.infrafrontier.gr) | [www.infrafrontier.eu](http://www.infrafrontier.eu)



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Με τη δωρεάν πρόσβαση της Ελλάδας και της Ευρωπαϊκής Ένωσης