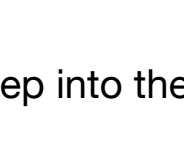




INFRAFRONTIER NEWS



We are glad to deliver the second issue of INFRAFRONTIER News, and as we step into the last month of the year, **we wish you a joyful holiday season!** 🎄🍷

Enjoy the read 📖!

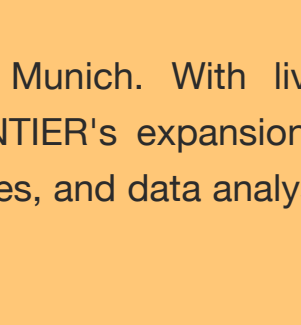
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INFRAPLUS Project

NEW!

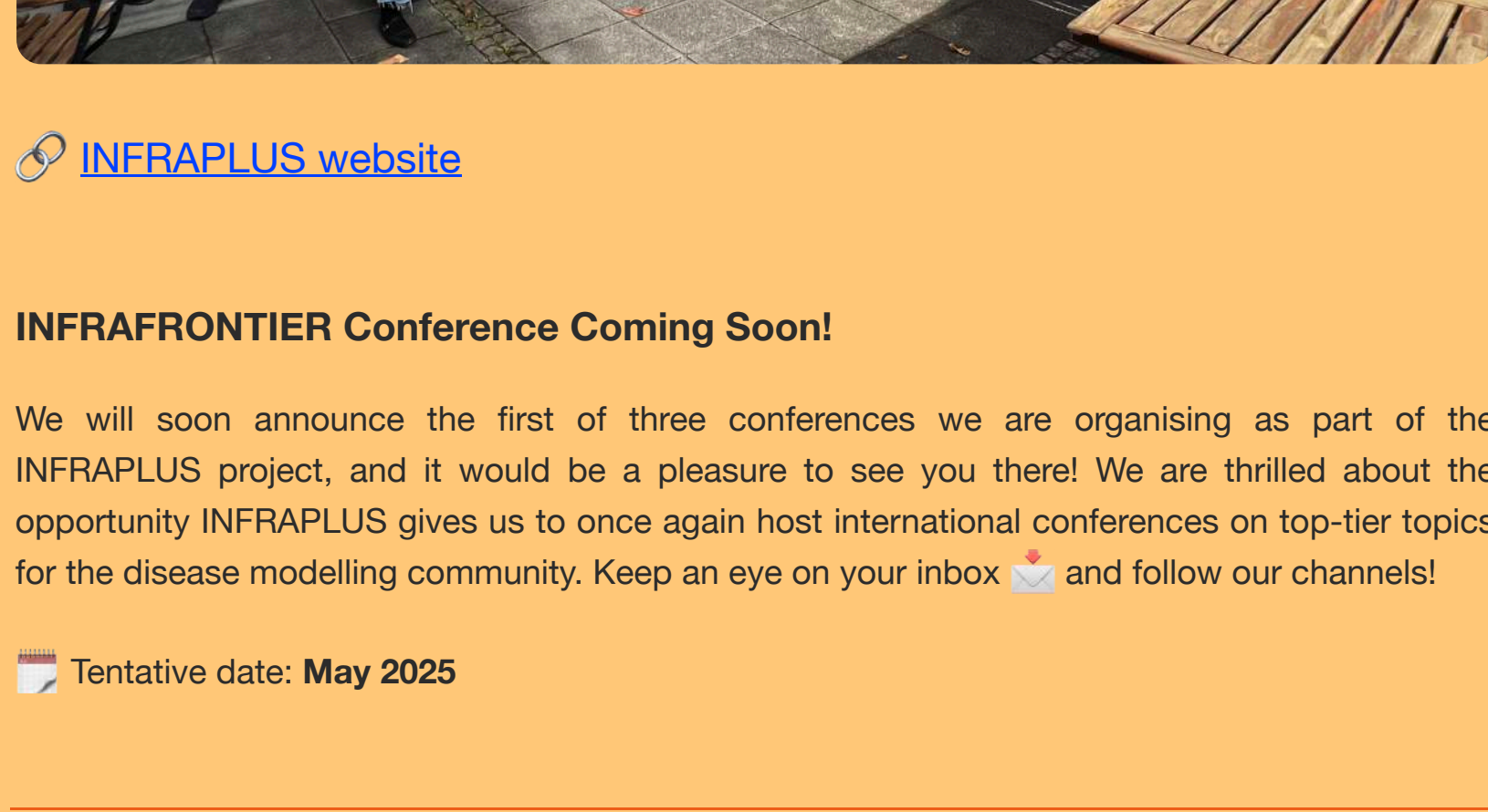
INFRAPLUS at a Glance

We are excited to introduce this section dedicated to INFRAPLUS. Here, you will find the latest updates, key milestones, and news that will showcase the progress and impact of our activities.



A Successful Start for INFRAPLUS in Munich

The INFRAPLUS's kick-off took place over two productive days in Munich. With lively discussions and concrete plans, we have set the stage for INFRAFRONTIER's expansion in state-of-the-art in-vivo models, innovative in-vitro models, preclinical services, and data analysis. All set to get started!



[INFRAPLUS website](#)

INFRAFRONTIER Conference Coming Soon!

We will soon announce the first of three conferences we are organising as part of the INFRAPLUS project, and it would be a pleasure to see you there! We are thrilled about the opportunity INFRAPLUS gives us to once again host international conferences on top-tier topics for the disease modelling community. Keep an eye on your inbox 📧 and follow our channels!

Tentative date: **May 2025**

Featured Announcement

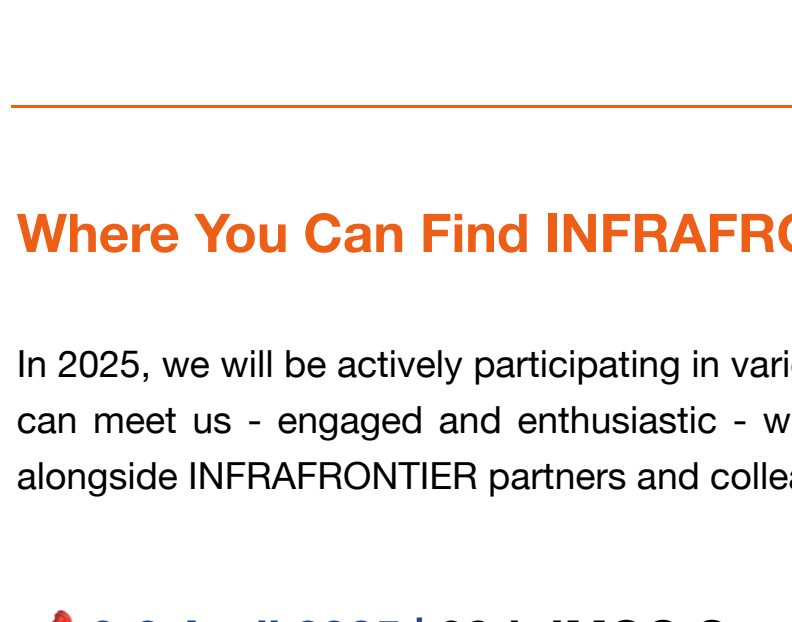
PRIM-TECH3R: Advancing In-Vitro Models from April 2025

The European Commission and INFRAFRONTIER have just signed the grant agreement for a new project called PRIM-TECH3R. In this initiative, which will kick off in April next year, ten INFRAFRONTIER partners will team up with two other pan-European research infrastructures, Euro-Bioimaging and BBMRI (biobanking) to deliver innovative cutting-edge disease modelling technologies to the European biomedical community.



PRIM-TECH3R will focus on **developing validated mouse and human derived complex in-vitro models (CIVMs)**. Driven by INFRAFRONTIER's ambition to enhance its disease modelling capabilities and the growing demand from industry for alternatives to animal testing, this project promises transformative advancements in the field of preclinical research.

PRIM-TECH3R aims to develop and refine 10 CIVMs using cutting-edge techniques like bioprinting, 3D co-cultures, and microfluidics. Among its **major outputs will be a dedicated in-vitro resource, consisting of a new biobank for mouse-derived cellular materials, validated CIVMs, comprehensive protocols, and training materials** - ready to be exploited by academia and the private sector - among other resources. In addition, the project will also open a new chapter for INFRAFRONTIER's collaborations with industry. Stay tuned!



PRIM-TECH3R

Preclinical in-vitro models for the replacement, reduction and refinement of mouse models in preclinical studies

Starting date: April 2025
Duration: 3 years

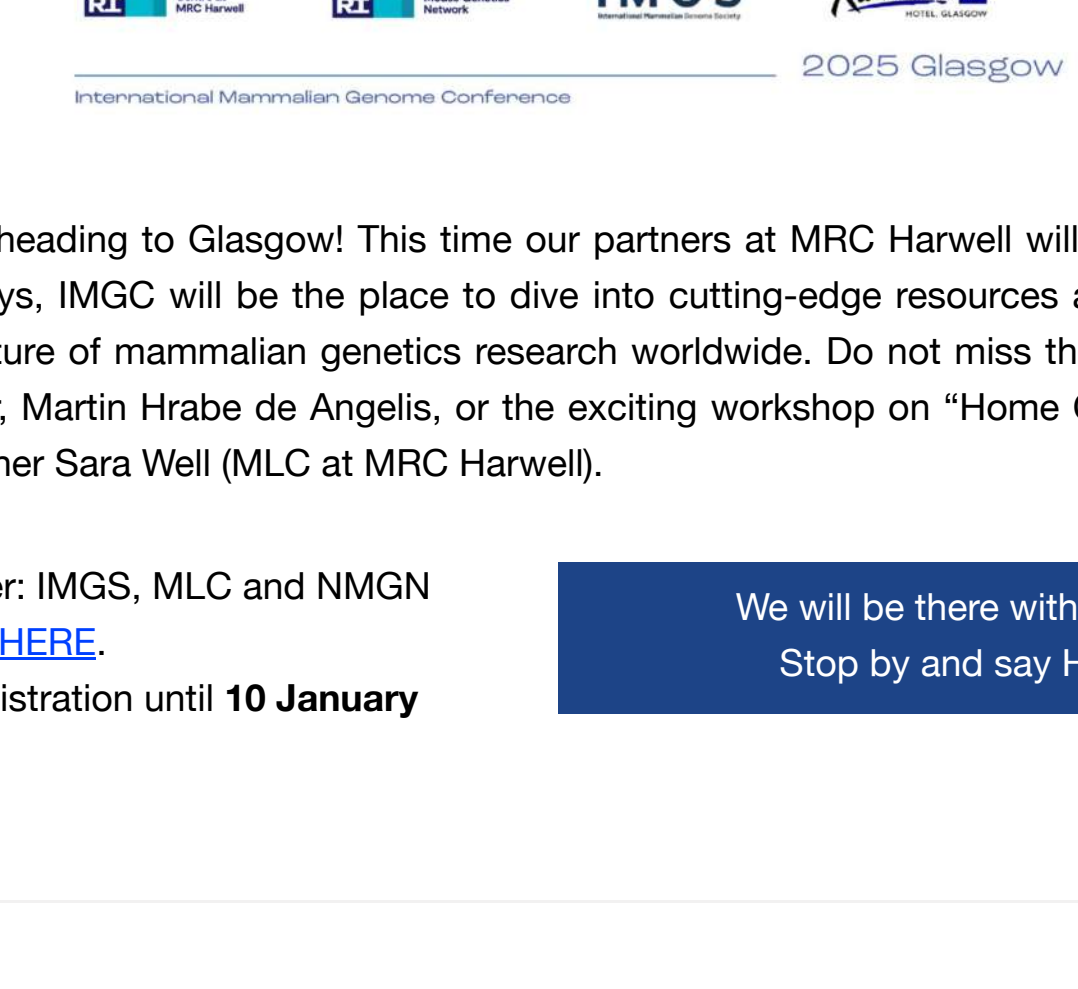
Information [HERE](#).

PRIM-TECH3R website will be soon online.

Where You Can Find INFRAFRONTIER in 2025?

In 2025, we will be actively participating in various events. Here is a list of conferences where you can meet us - engaged and enthusiastic - whether behind booths or leading special sessions alongside INFRAFRONTIER partners and colleagues from other Research Infrastructures:

6-9 April 2025 | 38th IMGC Conference

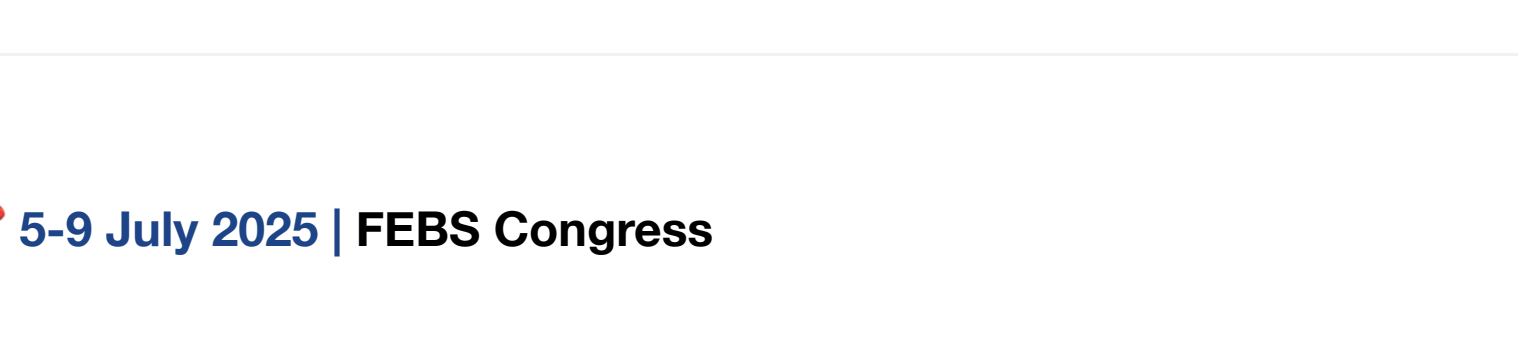


IMGC 2025 is heading to Glasgow! This time our partners at MRC Harwell will proudly host the event. As always, IMGC will be the place to dive into cutting-edge resources and opportunities shaping the future of mammalian genetics research worldwide. Do not miss the keynote lecture by our Director, Martin Hrabec de Angelis, or the exciting workshop on "Home Cage Monitoring" led by our partner Sara Well (MLC at MRC Harwell).

- Organiser: IMGS, MLC and NMGN
- Website [HERE](#).
- Early registration until **10 January**

We will be there with our booth! Stop by and say Hello! 🙋

2-5 June 2025 | FELASA Congress

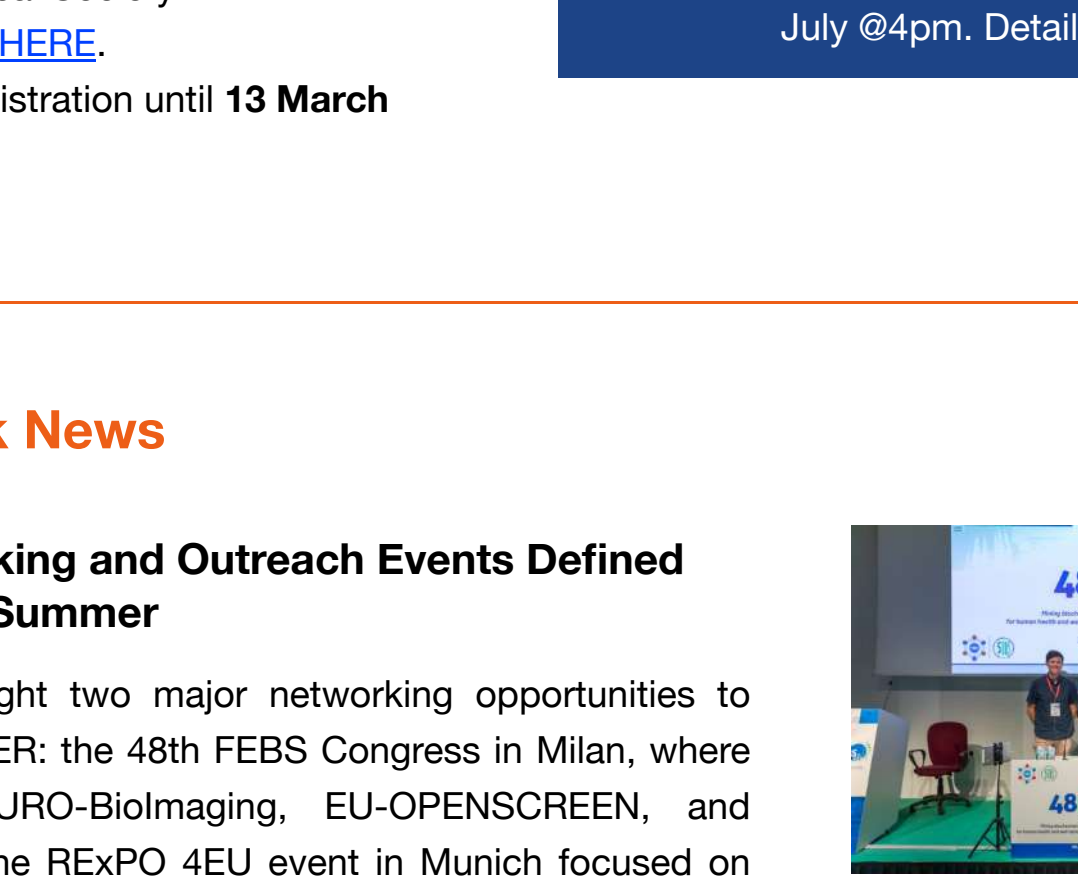


Get ready for FELASA 2025 in Athens! This year's theme, "Reducing Severity in Animal Research", focuses on improving care, refining practices, and reducing severity through training for both animals and people. We are the organisers of a session called "Collaborative European Effort on the 3Rs and Animal Welfare in Disease Modelling".

- Organiser: FELASA and HSBLAS
- Website [HERE](#).
- Early registration until **25 February**

Do not miss our session on 3Rs and Animal Welfare. Details [HERE](#).

5-9 July 2025 | FEBS Congress



FEBS 2025 Congress is a collaboration between the Turkish Biochemical Society and FEBS. The programme includes outstanding plenary speakers, symposia on important current molecular life science topics, and special sessions on a wide range of topics. We are the organisers of a session alongside three other research infrastructures (RIs) - EU-OPENSREEN, Euro-Bioimaging, and Instruct - about the **impact of RIs on groundbreaking biomedical research**.

- Organiser: FEBS and Turkish Biomedical Society
- Website [HERE](#).
- Early registration until **13 March**

Join us in our special session on 7 July @4pm. Details [HERE](#).

Flashback News

Two Networking and Outreach Events Defined the Start of Summer

July has brought two major networking opportunities to INFRAFRONTIER: the 48th FEBS Congress in Milan, where we joined EURO-Bioimaging, EU-OPENSREEN, and Instruct, and the REXPO 4EU event in Munich focused on Drug Repurposing. Both events were enriching experiences that promise to foster new collaborations and enhance our outreach.



INFRAFRONTIER Received the ERIC Plate during a Presidency Conference in Brussels

INFRAFRONTIER received the ERIC plate in a ceremony led by Anna Panagopoulou, the Director at DG Research & Innovation. After a powerful speech, she gave the floor to Martin Hrabec de Angelis, who explained the work and impact of INFRAFRONTIER. Also LOFAR ERIC was honoured. With these new additions, Europe now counts with 28 ERICs. Watch the ceremony here!



HMGU Hosted the Second Live CHARLIE Consortium Meeting

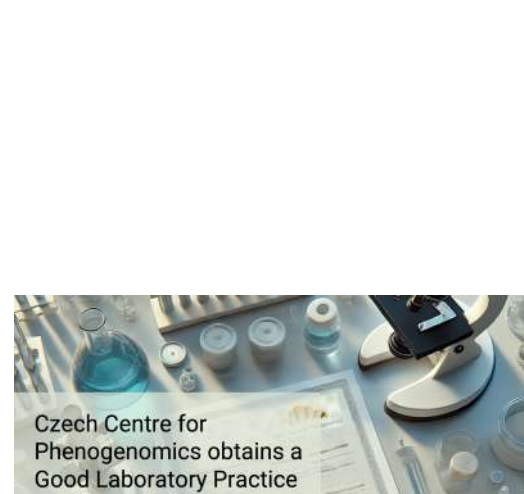
The second 'live' Charlie Consortium Meeting brought together global experts on rare diseases linked to lysine metabolism disorders at Helmholtz Munich, co-organised by the German Mouse Clinic and INFRAFRONTIER.



Highlights From Our Partners

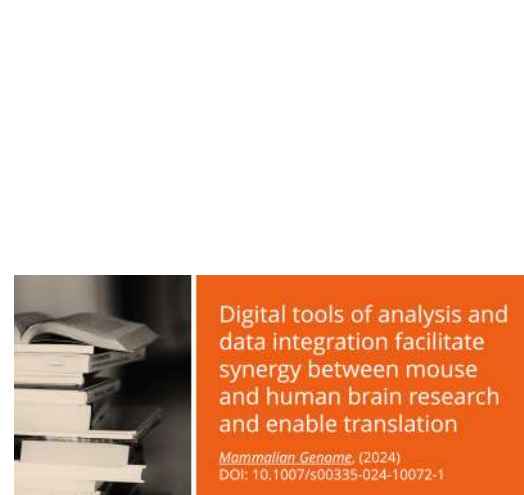
A Closer Look at the Laboratory Animal Genetic Reporting (LAG-R) Guidelines

Our partners LAG-R and Guillaume Pavlovic are the corresponding authors of the Laboratory Animal Genetic Reporting (LAG-R) framework. Don't miss their Lab Animal interview, where they discuss its benefits, motivations, and how to accelerate adoption of the recommendations that it presents.



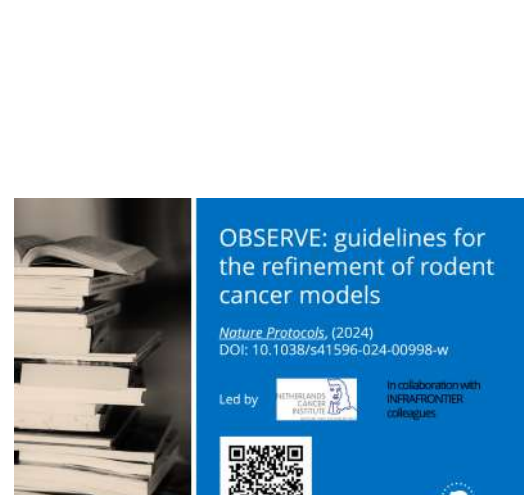
Revolutionising Research: Cutting-Edge Photoacoustic Imaging

Our colleagues at Czech Centre for Phenogenomics (CCP) have expanded their capabilities with the VisualSonics Vevo F2 LAZR-X, offering advanced multimodal imaging for oncology, cardiovascular studies, neurobiology, and more. This state-of-the-art photoacoustic ultrasound system will enable cross-functional research with the highest resolution on the market.



Czech Centre for Phenogenomics Obtained a GLP Certificate

Czech Centre for Phenogenomics (CCP) has obtained a Good Laboratory Practice (GLP) certificate that authorises CCP to perform and provide non-clinical drug safety studies. Studies conducted under the GLP regime are recognised in the registration procedures of medicinal products, and without safety studies, clinical trials of new potential drugs cannot be started.



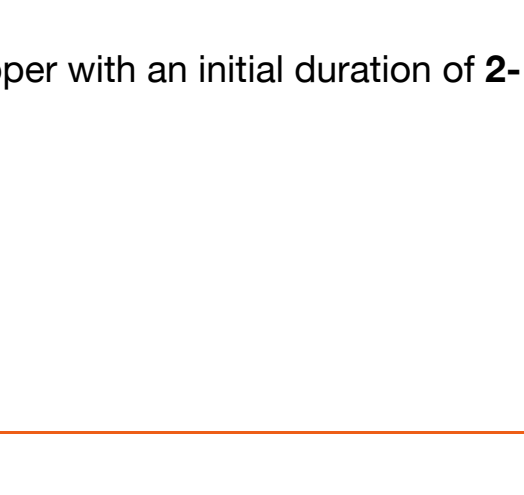
Synergy Between Mouse and Human Brain Research in the Digital Era

Our colleagues from HMGU contributed to a groundbreaking pilot study integrating digital brain tools and genetic data. This work opens new paths to understanding rare diseases and neurodevelopmental disorders, paving the way for innovative therapies and insights into brain function.



OBSERVE: Guidelines for the Refinement of Rodent Cancer Models

Our partners at NKI and colleagues have developed the OBSERVE guidelines to improve the preparation and reporting of in vivo cancer studies in rodents. The guidelines provide detailed instructions on optimal preparation, implantation methods, and monitoring criteria. They also address expected adverse effects and offer tools to minimise distress and pain in animal models, promoting ethical practices and animal welfare in cancer research.



Job Vacancies

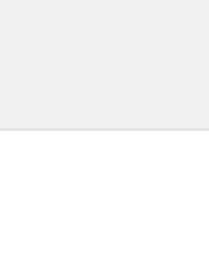


Full Stack Developer (f/m/x)

INFRAFRONTIER ERIC in Munich is recruiting a Full Stack Developer with an initial duration of **2-years** (full- or part-time possible).

- Details [HERE](#).
- Applications until **31 December**

Open Call for Young Cancer Researchers



Free-of-charge access to cancer research services for early career researchers!

If you are in the early stages of your research career and your field of study is cancer, canSERV has opened this call for you! Submit your proposal and gain **free access to over 400 services and tools!**

What do INFRAFRONTIER partners offer?
Read full service descriptions [HERE](#).

<p>Generation of precision cancer mouse models using CRISPR-Cas9</p>	<p>In-depth cancer-based phenotyping</p>	<p>Cancer and gut microbiota interaction pipeline in mouse models</p>
<p>Secondary phenotyping of cancer mouse models</p>	<p>Intravital microscopy with fluorescent biosensors in mouse models of cancer</p>	<p>Digital pathology and Machine Learning-based image analysis</p>

[APPLY NOW](#)

Information [HERE](#).
Contact: proposals@infrafrontier.eu
Deadline: **17 December at 14:00 (CET)**

Current European Collaborations

Learn more [HERE](#).

Thanks for making it to the end! 🙏

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[Start Survey](#)

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✉️ 🌐 📧 in

INFRAFRONTIER
modelling human diseases

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