



Welcome to a new issue of INFRAFRONTIER News! For the best experience, click above "view in browser". **Enjoy the read** 📖

Reading time: 6 minutes

Highlight

30 Years of EMMA: Building Europe's primary mouse mutant repository

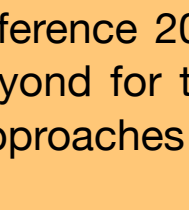
Last April the European Mouse Mutant Archive (EMMA) reached a significant milestone: 30 years at the heart of biomedical discovery.

What began in the mid-1990s as an ambitious idea to safeguard genetically modified mouse models has grown into Europe's largest repository of mutant rodents and one of the most important biological archives in the world.



[Learn more!](#)

INFRAPLUS and PRIM-TECH3R Projects 🇪🇺



The INFRAFRONTIER Conference 2026

Hosted at the CNR Headquarters in Rome, the INFRAFRONTIER Conference 2026 (23-24 June 2026) welcomed researchers from across Europe and beyond for two days of inspiring scientific exchange focused on computational approaches to biomedical research.

The programme featured keynote lectures, oral presentations, poster sessions, and panel discussions covering topics including artificial intelligence, disease modelling, functional genomics, integrated biological data resources, advanced experimental models, and translational applications. The conference highlighted how combining computational methods with experimental research is driving innovation in understanding health and disease.

We sincerely thank all speakers, presenters, sponsors, and attendees for making this year's conference such a success. Their contributions fostered lively discussions, new collaborations, and an exciting vision for the future of computational biomedical research.

Did you attend the event?

[Give us your feedback!](#)



This meeting is financed through INFRAPLUS project's funding received from the European Union's Horizon Europe research and innovation programme under grant agreement No. 101131669.

PRIM-TECH3R Industry Liaison Event



The PRIM-TECH3R Industry Liaison Event (Rome, 22 June 2026) brought together researchers and industry representative to discuss the future of complex *in vitro* models (CIVMs) and their role in advancing biomedical research.

The meeting provided an excellent platform to exchange perspectives on technological innovation, standardisation, regulatory acceptance, and opportunities to strengthen collaboration between academia and industry. Interactive discussions highlighted both the scientific challenges and the collaborative approaches needed to accelerate the development and adoption of next-generation preclinical models.

Thank you to everyone who participated! Your contributions made the event a dynamic forum for knowledge exchange and networking. We look forward to building on these discussions through future PRIM-TECH3R activities!

Did you attend the event?

[Give us your feedback!](#)



This meeting is financed through PRIM-TECH3R project's funding received from the European Union's Horizon Europe research and innovation programme under grant agreement No. 101188158.

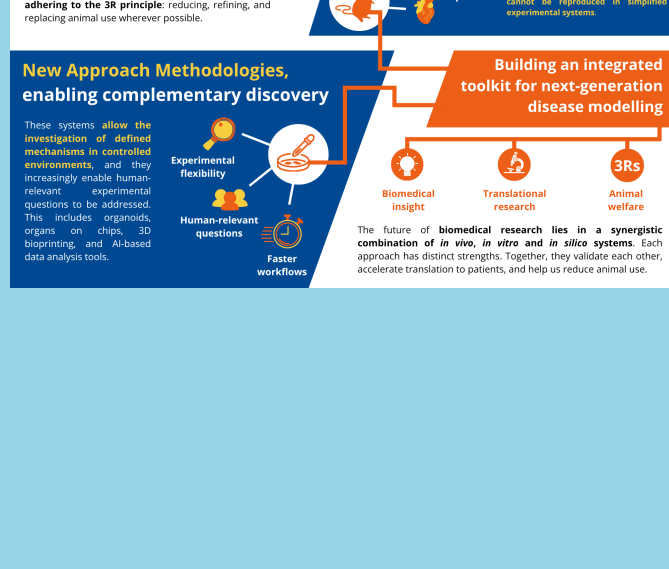
News

Our pick:

INFRAFRONTIER at the #BOARD26 campaign

INFRAFRONTIER is proud to support EARA's #BOARD26 campaign, promoting openness and transparency about the role of animals and New Approach Methodologies (NAMs) in biomedical research. Join us on 9 July as we help foster informed dialogue and highlight how both approaches work together to advance science and improve human and animal health.

[read more](#)



#RareDiseasesDay: INFRAFRONTIER's role in advancing rare disease research

According to the EU, around 7,000 rare diseases have been identified to date, and many remain poorly understood. To address these challenges and accelerate progress, INFRAFRONTIER provides a crucial research infrastructure to scientists around the world.

[read full story](#)



Response to Growing Discussion on Genetic Quality Control

A recent [Science policy proposal](#) and the wider discussion that followed, have highlighted the importance of genetic quality control for increasing rigor and reproducibility in mouse research. INFRAFRONTIER/EMMA welcomes this renewed attention.

[read full story](#)



INFRAFRONTIER is now an official member of the European Animal Research Association (EARA)

Through this membership, we reaffirm our commitment to openness, transparency, and responsible communication about the vital role of animal research in advancing biomedical science and improving human and animal health.

[read full story](#)



Breakthroughs From Our Partners

Epigenetic Legacy: The Role of Sperm miRNAs in the Paternal Inheritance of Diabetes and Obesity Development

Emerging evidence suggests that a father's health before conception may shape the metabolic health of future generations. A new review explores how sperm microRNAs mediate the epigenetic inheritance of obesity and diabetes, highlighting insights gained from experimental models.

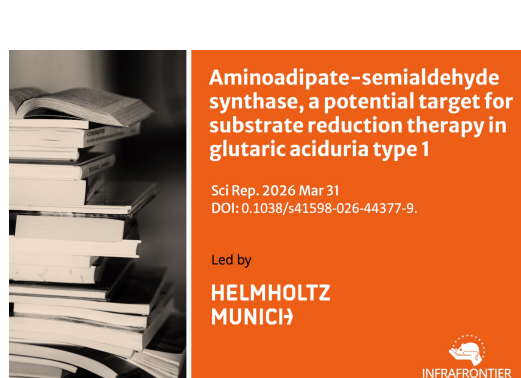
[read more](#)



Glutamic Aciduria Type 1 – Validating a New Druggable Target for Therapy

News study shows that blocking the enzyme AASS in a mouse model of glutamic aciduria type 1 (GA1) greatly reduced the build-up of harmful substances, prevented disease symptoms, and protected brain function. These findings suggest that targeting AASS could become a promising new treatment approach for people with GA1.

[read more](#)



Featured Training

06–10 Jul.
2026

Laboratory Animal Science Modules Course at Fleming

- The programme combines live online theory sessions with hands-on practical training at BSRC "Alexander Fleming", equipping participants with the essential knowledge and skills for laboratory animal science.
- [\[more info\]](#)



13–15 Oct.
2026

MorphoPHEN & INFRAFRONTIER Workshop on Mouse Pathobiology

- Join us to explore key topics, including: Human Disease Modelling and Organ specific-pathologies. This year we will focus on terminology, ontologies and databases.
- [\[more info\]](#)



09–11 Sept.
2026

8th CCP Phenogenomics Conference 2026

- The 8th of the CCP Phenogenomics Conference edition brings together the global genetics community to explore breakthroughs in rare diseases, experimental models, and gene therapy. Connect with experts driving innovative research from the laboratory to the clinic.
- [\[more info\]](#)



Other Opportunities

05–07 Oct. 2026

Mouse Genetics and Colony Management for Researchers



Mary Lyon
Centre at
MRC Harwell

26–27 Oct. 2026

Mouse Necropsy and Tissue Processing



Mary Lyon
Centre at
MRC Harwell

30 Nov. 2026

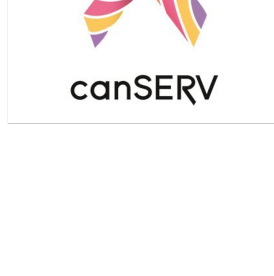
Mouse Necropsy



Mary Lyon
Centre at
MRC Harwell

[Learn more](#)

Current European Collaborations



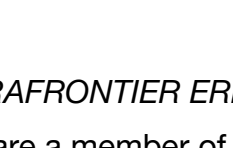
[Learn more HERE](#)

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INFRAFRONTIER
modelling human diseases

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