



INFRAFRONTIER
modelling human diseases

What is INFRAFRONTIER?

INFRAFRONTIER is the European Research Infrastructure for Modelling Human Diseases, a non-profit organisation comprising over 20 leading biomedical research institutes and headquartered in Munich. Our collaborative network provides researchers with access to cutting-edge services and resources, empowering them to advance the understanding, prevention, and treatment of human diseases through state-of-the-art models.

What does INFRAFRONTIER do?

We function on a non-profit basis, adhering to rigorous scientific standards that safeguard the quality and reliability of our services and resources. Operating the largest mouse repository in Europe, the European Mouse Mutant Archive (EMMA), we offer cryopreservation and distribution of rodent models across and beyond the continent. Furthermore, we conduct comprehensive systemic phenotyping of mouse lines and develop new disease models, including the generation of germ-free lines intended for gnotobiotic studies.

Our service provision is continuously expanding, and we diligently update and curate data on our website to guide academia and industry scientists in selecting the best model to develop groundbreaking therapies. Our commitment to excellence and innovation is realised through our partners; experts trained in the latest technology and standardised protocols that prioritise animal welfare and drive the 3Rs – refinement, reduction, and replacement– in animal research.

We believe in harnessing collective strength and capabilities. That's why we collaborate with other Research Infrastructures, public funding agencies, and policymakers to develop projects enabling global access to research data and infrastructures. This collaboration accelerates the acquisition of knowledge and technological advancements in human health.

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