

01 Strengthening global preparedness for infectious diseases

INTERCEPTOR unites high-containment laboratories around the globe, fostering a collaborative approach to global health. By building strong links between facilities, INTERCEPTOR opens doors to shared research opportunities, enabling each lab to benefit from global expertise and resources for a coordinated, effective and rapid response to emerging infectious diseases.

02 Enhancing biosafety and biosecurity standards

To maintain the highest standards of safety, INTERCEPTOR strengthens bio-risk management practices and builds human capital within high-containment laboratories. This includes specialised training for biosafety and biosecurity officers, as well as engineering staff, ensuring that all personnel are equipped to manage high-consequence pathogens safely. With a commitment to safety first, INTERCEPTOR supports a secure research environment where innovation in medical countermeasures can proceed without compromising biosafety.

03 Promoting standardised practices and shared resources

A unified response to global health threats depends on harmonised procedures and readily available critical resources. INTERCEPTOR works to standardise key practices across high-containment laboratories, ensuring that all facilities follow interoperable protocols. This shared foundation allows labs to share vital resources efficiently, ensuring swift access in an emergency.

04 Empowering research communities globally

INTERCEPTOR creates a supportive network where scientific communities can collaborate, fostering knowledge exchange and collective innovation. Through joint training sessions, workshops, and information-sharing platforms, the project builds a research community that is both globally aware and locally equipped to tackle health crises. INTERCEPTOR's framework not only connects experts but also empowers them to push boundaries in pandemic preparedness and response, with a unified approach.

05 Building a sustainable, global network of high-containment laboratories

To ensure long-term impact, INTERCEPTOR is designed with sustainability at its core. By establishing a responsible, resilient network, the project aims to create enduring pathways for collaborative research and resource-sharing beyond its initial scope. This sustainable network aims to keep high-containment laboratories connected and prepared, supporting a future where rapid, cooperative responses to public health threats are not just possible but routine.

Led by ERINHA, the INTERCEPTOR consortium unites premier high-containment laboratories from across the world collaboratively enhancing global biosecurity, preparedness, and pandemic response.

Member institutions and their flags:

- ERINHA (European Research Infrastructure on Highly Pathogenic Agents)
- INNGYK (National Institute for Research and Innovation in Health Sciences)
- UMR (University of Medicine and Pharmacy, Bucharest)
- Inserm (Institut National de la Santé et de la Recherche Médicale)
- INSERM (Institut National de la Santé et de la Recherche Médicale)
- Med Uni Graz (Medical University of Graz)
- MUG (University of Medicine and Pharmacy, Bucharest)
- A*STAR (Agency for Science, Technology and Research)
- FoHMI (Förhöjningsmyndigheten)
- FOHM (Förhöjningsmyndigheten)
- ISCIH (Instituto de Salud Carlos III)
- UM (University of Malaya)
- INSA (Instituto Nacional de Saúde)
- INMI (Istituto Nazionale per lo Studio e la Cura delle Malattie Infettive)
- NICD (National Institute for Communicable Diseases)
- UKHSA (UK Health Security Agency)
- UKHSA (UK Health Security Agency)
- UTMB (University of Tennessee Medical Center)
- UTMB (University of Tennessee Medical Center)
- VBS (DDPS) (Virus and Bacteriology Section, Department of Disease Prevention and Control)
- NUS (National University of Singapore)
- NUSMED (National University of Singapore)
- CSIRO (Commonwealth Scientific and Industrial Research Organisation)
- VIDO (Veterinarian Research Institute)
- VIDO (Veterinarian Research Institute)
- UNIVERSITY OF PÉCS (Pécsi Tudományegyetem)

Creating a safer future together

With INTERCEPTOR, we are paving the way for a future where high-containment labs work seamlessly across borders, equipped with the resources and shared standards needed to face any infectious threat. Through strong global partnerships and by advancing harmonised biosafety and biosecurity practices INTERCEPTOR is not just responding to today's challenges, it is creating a resilient infrastructure that will empower scientists and safeguard public health for generations to come.

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WHY INTERCEPTOR?

Infectious diseases do not recognise borders: they are a global threat that demands a united, worldwide response. The COVID-19 pandemic was a wake-up call, showing us that effective preparedness and rapid response only happen when countries share their knowledge, data, and resources seamlessly.

INTERCEPTOR unites the world's top high-containment laboratories, specialised facilities known as biosafety level 3 & 4 (BSL3 & BSL4) designed for the study of deadly diseases and to handle the most dangerous pathogens, like Ebola and Lassa fever virus. While essential for advancing vaccines and treatments, these laboratories are complex, costly to operate and accessing them has been a major obstacle for researchers.

INTERCEPTOR aspires to close the gaps in global collaboration, remove barriers to access, and build a resilient network of high-containment laboratories. Through INTERCEPTOR, labs and researchers will benefit from shared resources, knowledge, and best practices, empowering a global response against the world's high-consequence infectious diseases.



VISION & MISSION

Launched in 2024 and funded by the EU, INTERCEPTOR – coordinated by ERINHA – brings together high-containment facilities from across Europe and around the world.

VISION: A world safeguarded against infectious disease threats through global scientific preparedness and resilience.

MISSION: To strengthen global health preparedness by fostering a sustainable, cooperative network of high-containment research facilities. In coordination with strategic partners like CEPI, the WHO, and other leading health organizations, INTERCEPTOR reinforces safety standards as well as uniting expertise and resources, and safety standards to empower scientific communities to develop innovative and effective countermeasures, enhancing global readiness to address pandemic-prone pathogens safely and securely.

To fulfill its mission, INTERCEPTOR is committed to:

- 01 STRENGTHEN**
global preparedness for high consequence infectious diseases
- 02 ENHANCE**
biosafety and biosecurity standards
- 03 PROMOTE**
standardised practices and shared resources
- 04 EMPOWER**
research communities globally
- 05 BUILD**
a sustainable, global network of high-containment laboratories