

# erinha

## European Research Infrastructure on Highly Pathogenic Agents

ERINHA provides expertise and services related to highly pathogenic agents classified as Risk Group (RG) 4 pathogens and biocontainment laboratories. RG4 pathogens do not have approved therapeutics or vaccines and have the potential to cause widespread outbreaks. Some examples of RG 4 pathogens are: Ebola virus, Marburg virus, Nipah virus, Lassa virus, and Crimean Congo Haemorrhagic fever virus.

Biocontainment Level (BSL) 4 laboratories associated to complementary facilities are necessary for studying RG4 pathogens, however, these are expensive to build and operate. Due to the limited number of these laboratories, it can be difficult for researchers, industry and other stakeholders to access biocontainment laboratories to test potential therapeutics, vaccines, or diagnostics. ERINHA provides an easy link between experts and BSL-4 laboratories within the European Union allowing potential stakeholders access to:

### ❖ SUBJECT MATTER EXPERTISE

- ✓ RG4 pathogenesis knowledge
- ✓ Vaccine, therapeutic, and diagnostic discovery and development
- ✓ Biocontainment laboratories, maintenance, and equipment
- ✓ Biosecurity issues and concerns
- ✓ Biocontainment and disinfection protocols

### ❖ RESEARCH SUPPORT

- ✓ Testing and validating diagnostic assays against RG4 pathogens
- ✓ Preclinical studies of vaccines and therapeutics
- ✓ *In vivo* and *in vitro* models of infection and pathogenesis
- ✓ *In vivo* and *in vitro* testing for therapeutics and vaccines
- ✓ Access to BSL-4 and complementary facilities for scientific research

### ❖ OTHER SUPPORT

- ✓ Support for pre-clinical and clinical studies
- ✓ Training for biocontainment laboratory staff and researchers
- ✓ Unique partnerships for grant and funding opportunities
- ✓ Provide laboratory capacity in the case of international need

Additionally, ERINHA is working closely with other organizations to:

- ✓ Develop a pan-EU open science cloud for data (*EOSC-Life Project*)
- ✓ Advance clinical trials for the approval of vaccines, therapeutics and diagnostics against infectious diseases (*ECRAID-Plan development*)
- ✓ Provide biocontainment expertise for new construction or building enhancements (*Various projects*)
- ✓ Communicate the EU science infrastructure to a global audience (*RI-VIS Project*)



[www.erinha.eu](http://www.erinha.eu)

ERINHA is an *Association Internationale Sans But Lucratif* (AISBL) under Belgian law. ERINHA-AISBL is managed by the Central Coordinating Unit located in Paris, France.

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