
HORIZON EUROPE: CLUSTER 1 HEALTH

Pandemic preparedness and response:
Broad spectrum anti-viral therapeutics for infectious
diseases with epidemic potential
(HORIZON-HLTH-2023-DISEASE-03-04)



Disclaimer: information not legally binding

HORIZON-HLTH-2023-DISEASE-03-04: Pandemic preparedness and response: Broad spectrum anti-viral therapeutics for infectious diseases with epidemic potential

Budget: 50M€

Expected EU contribution per project: 7-8M€

Expected outcomes:

- The scientific and clinical communities have an increased **knowledge on viruses with epidemic potential** and in particular a **better understanding of different potential mechanisms** of action for the **development of broad-spectrum anti-viral therapeutics** for these viruses.
- The scientific and clinical communities have access to **novel approaches for the development of anti-viral therapies** for emerging and re-emerging infections in the context of epidemic and pandemic preparedness.
- The scientific and clinical communities have access to **experimental broad-spectrum anti-viral candidates** against emerging or re-emerging viral infections for further clinical investigation.
- **A diverse and robust pipeline of broad-spectrum anti-viral drug candidates** is available for emerging and re-emerging viral infections, increasing therapeutic options for clinical deployment in case of an epidemic or pandemic.

(Link to topic text: [Funding & tenders \(europa.eu\)](https://europea.eu))

HORIZON-HLTH-2023-DISEASE-03-04: Pandemic preparedness and response: Broad spectrum anti-viral therapeutics for infectious diseases with epidemic potential

Scope (1):

- ... to develop and advance **broad-spectrum anti-viral compounds** and ... **novel approaches to the development of such compounds**, which target viruses with high epidemic or pandemic potential for the EU, such as those included in the list of priority diseases of the World Health Organization (WHO) (1), with particular attention to those meeting the criteria identified by the Health Emergency Preparedness and Response Authority (HERA) (2).
- ... cover **viruses for which there are no currently available effective therapeutics or for which the therapeutics available are sub-optimal**, and are expected to **incorporate state-of-the-art screening technology and innovative approaches to identify new targets for antiviral compound development**.
- Emphasis ... on the **research and development of broad-spectrum antivirals, which may include repurposing of previously approved or in-pipeline drugs**.

(1) [Prioritizing diseases for research and development in emergency contexts \(who.int\)](https://www.who.int/pandemic-preparedness-research-priorities)

(2) [hera factsheet health-threat mcm.pdf \(europa.eu\)](https://hera.europa.eu/factsheet-health-threat-mcm.pdf)

HORIZON-HLTH-2023-DISEASE-03-04: Pandemic preparedness and response: Broad spectrum anti-viral therapeutics for infectious diseases with epidemic potential

Scope (2):

Proposals should address all of the following areas:

- **Preclinical work and proof-of-concept/first-in-human studies and early safety and efficacy trials** for testing new or improved anti-viral therapeutics (Phase IIb/III phase trials will not be supported).
- **Innovative delivery systems and suitable safety profiles** for broad use should be considered when possible.
- Application of **novel approaches and widely applicable workflows** (e.g. artificial intelligence) for rapid and reliable identification of broad-spectrum anti-viral therapeutics.
- Attention should be paid to **critical social factors such as sex, gender, age, socio-economic factors, ethnicity/migration, and disability**.

On 22/23 November 2022 the Commission organized a multidisciplinary **workshop on the development and availability of broad-spectrum antivirals as high priority medical countermeasures for better pandemic preparedness**. The report of this workshop is published: [Broad-spectrum anti-viral therapeutics - Publications Office of the EU \(europa.eu\)](#)

Other call topics relating to pandemic preparedness and response included in Horizon Europe work programme 2023

→ HORIZON-HLTH-2023-DISEASE-03-17: **Pandemic preparedness and response: Understanding vaccine induced-immunity**

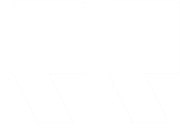
Link to topic text: [Funding & tenders \(europa.eu\)](#)

→ HORIZON-HLTH-2023-DISEASE-03-18: **Pandemic preparedness and response: Immunogenicity of viral proteins of viruses with epidemic and pandemic potential**

Link to topic text: [Funding & tenders \(europa.eu\)](#)

IMPORTANT:

These two calls are open to participation of Indian entities but the Indian entities need to bring their own funding. No co-funding is provided by the Government of India for these two calls.



Thank you!

HorizonEU

<http://ec.europa.eu/horizon-europe>



© European Union 2021

Unless otherwise noted the reuse of this presentation is authorised under the [CC BY 4.0](https://creativecommons.org/licenses/by/4.0/) license. For any use or reproduction of elements that are not owned by the EU, permission may need to be sought directly from the respective right holders.

Image credits: © ivector #235536634, #249868181, #251163013, #266009682, #273480523, #362422833, #241215668, #244690530, #245719946, #251163053, #252508849, 2020. Source: Stock.Adobe.com. Icons © Flaticon – all rights reserved.