



Integrating New Approach Methodologies (NAMs) to advance biomedical research and regulatory testing

HORIZON-HLTH-2026-01-TOOL-03

Program:	Horizon Europe Cluster 1
Típus:	Research and Innovation Actions
TRL szint:	nem releváns
Támogatás projektenként:	5 - 8 M EUR
Támogatott projektek száma:	7
Pályázati felület megnyílik:	2026.02.10.
Beadási határidő:	2026.04.16.
Felhívás linkje:	LINK

Proposals under this topic should aim to deliver results that are directed at, tailored towards and contributing to several of the following expected outcomes:

- Researchers are in possession of improved human-relevant New Approach Methodologies (NAMs) platforms that capture the genetic, phenotypic, age-related, immune, microbiome, and environmental exposure variability of the human population. These innovations support more equitable healthcare solutions and personalised treatment strategies across diverse life stages.
- Industry gets access to platforms that allow a faster pace of innovation for the development of more cost-effective targeted therapeutic interventions and improvement of the safety assessment of chemicals, other medicinal products, and medical devices.
- Patients benefit from innovative platforms and strategies that improve prediction, prevention and treatment of diseases, in particular through enhanced understanding of disease pathways and mechanisms.
- The general population is better protected through a safer environment, as these platforms enhance the detection and mitigation of risks posed by chemicals and other potentially harmful substances.

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Pilot Actions for Follow-on Funding: Leveraging EU-funded Collaborative Research in Regenerative Medicine

HORIZON-HLTH-2026-01-TOOL-05

Program:	Horizon Europe Cluster 1
Típus:	Innovation Actions
TRL szint:	5
Támogatás projektenként:	6 - 8 M EUR
Támogatott projektek száma:	4
Pályázati felület megnyílik:	2026.02.10.
Beadási határidő:	2026.04.16.
Felhívás linkje:	LINK

Proposals under this topic should aim to deliver results that are directed at, tailored towards and contributing to all the following expected outcomes:

- The overall competitiveness of the EU biotechnology sector is strengthened through the further development of closer-to-deployment health innovations.
- The EU benefits from greater impact of the EU's Research and Innovation (R&I) Framework Programmes through successful leveraging of previous EU funding in the field of regenerative medicine.
- EU innovators secure further funding to finalise the last stages of development.
- Patients benefit faster from solutions that improve their health and wellbeing. . (...)

The chosen area of focus is regenerative medicine as it has the potential to heal or replace tissues and organs damaged by age, disease, or trauma, as well as to normalise congenital defects. Proposals should focus on prototyping, demonstrating and validating health innovations from TRL 5, moving beyond early-stage research to clinical development, testing, or eventual large-scale manufacturing.

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Support to European Research Area (ERA) action on accelerating New Approach Methodologies (NAMs) to advance biomedical research and testing of medicinal products and medical devices

HORIZON-HLTH-2026-01-TOOL-06

Program:	Horizon Europe Cluster 1
Típus:	Coordination Support Action
TRL szint:	nem releváns
Támogatás projektenként:	3 M EUR
Támogatott projektek száma:	1
Pályázati felület megnyílik:	2026.02.10.
Beadási határidő:	2026.04.16.
Felhívás linkje:	LINK

Proposals under this topic should aim to deliver results that are directed at, tailored towards and contributing to all the following expected outcomes:

- Member States and relevant stakeholders identify priority areas where New Approach Methodologies (NAMs) and infrastructures are most needed and expected to have the highest short- to medium-term impact.
- Member States and other stakeholders jointly support the validation and qualification of a limited set of NAMs that are intended to be accepted and implemented in regulatory testing of medicinal products and medical devices.
- Member States and other stakeholders develop common education and training programmes based on best practices identified in European and non-European countries to better inform researchers and regulators on NAMs and on the application of the 3Rs principles .
- Member States and other stakeholders implement a harmonised NAM openness and awareness programme that improves open access to NAMs protocols and results of animal experiments.

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Establishing a European network of Centres of Excellence (CoEs) for Advanced Therapies Medicinal Products (ATMPs)

Program:	Horizon Europe Cluster 1
Típus:	Coordination Support Action
TRL szint:	nem releváns
Támogatás projektenként:	3, 90 M EUR
Támogatott projektek száma:	1
Pályázati felület megnyílik:	2026.02.10.
Beadási határidő:	2026.04.16.
Felhívás linkje:	LINK

HORIZON-HLTH-2026-01-TOOL-07

Proposals should be of limited duration (2027-2030) and cover at a minimum the following activities:

- Identify common needs and challenges related to ATMP R&D, as well as develop relevant policy recommendations related to clinical trials, manufacturing, logistics, regulatory (including harmonisation of market access authorisation and reimbursement procedures), public acceptance, policies for transnational care, and coordination with national/regional healthcare systems etc.
- Develop a roadmap to ensure that Europe becomes the global leader for ATMP R&I by 2035, with clearly defined milestones, targets and Key Performance Indicators (KPIs). The roadmap should align with national R&D plans and include a long-term funding strategy. Appropriate measures should be considered to expand or widen the network during the roadmap's implementation.
- Create an advisory board with diverse stakeholders, as a forum to provide guidance and advice for ensuring maximum utility of the generated outputs.
- Develop common education and training programmes for the next generation of scientists including outreach activities to better inform i) the public and patients on the benefits

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Development of predictive biomarkers of disease progression and treatment response by using AI methodologies for chronic non-communicable diseases

HORIZON-HLTH-2027-02-TOOL-01-two-stage

Program:	Horizon Europe Cluster 1
Típus:	Research and Innovation Actions
TRL szint:	nem releváns
Támogatás projektenként:	6 - 8 M EUR
Támogatott projektek száma:	6
Pályázati felület megnyílik:	2027.02.10.
Beadási határidő:	2027.04.13.
Felhívás linkje:	LINK

Proposals under this topic should aim to deliver results that are directed at, tailored towards and contributing to all the following expected outcomes:

- Clinical researchers and developers have access to novel predictive biomarkers to guide a more accurate assessment of disease progression and treatment response and tackle the unmet clinical needs of non-communicable chronic diseases.
- Clinicians and healthcare professionals use clinically validated predictive biomarkers for implementing more effective clinical research and personalised medicine with better health outcomes in chronic non-communicable diseases.
- Key stakeholders have access to trustworthy Artificial Intelligence (AI) tools to guide the development of multimodal predictive biomarkers of higher accuracy and clinical value when compared to the established practice.
- The citizens benefit of better health outcomes thanks to improved clinical guidelines and the implementation of effective biomarker-guided clinical research and personalised healthcare.

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Advancing bio-printing of living cells for regenerative medicine

HORIZON-HLTH-2027-03-TOOL-02

Program:	Horizon Europe Cluster 1
Típus:	Research and Innovation Actions
TRL szint:	nem releváns
Támogatás projektenként:	7 – 10 M EUR
Támogatott projektek száma:	5
Pályázati felület megnyílik:	2027.06.30.
Beadási határidő:	2027.09.22.
Felhívás linkje:	LINK

Proposals should be based on the use of human cells and address all the following activities:

- Develop or improve existing bioprinting equipment that comprises all steps of the bio-printing suite to print bio-constructs with high cell-density for improved vascularisation and faster repair of the defect in the body.
 - Scale-up the chosen bio-printing technology to a Good Manufacturing Practices (GMP) conform/compliant manufacturing process.
 - Perform all necessary regulatory work enabling the conduct of clinical studies and assess the clinical value of the developed bio-printing technology in first in-human studies.
- Priority should be given to bio-printing approaches that either target vital internal organs followed by surgical grafting or employ in-situ approaches depositing the cell-laden bioink directly from the printhead or endoscope on the defect target site in the body. (...)
- Proposals under this topic may address any therapeutic area, i.e. any disease, dysfunction or defect. Sex differences at the cellular level should be taken into consideration.
- Preclinical stage and clinical development are eligible. The involvement of small and medium-sized enterprises (SMEs) is encouraged.

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Virtual Human Twins (VHTs) for integrated clinical decision support in prevention and diagnosis

HORIZON-HLTH-2027-03-TOOL-04

Program: **Horizon Europe
Cluster 1**

Típus: **Research and
Innovation Actions**

TRL szint: **nem releváns**

Támogatás projektenként: **6 - 8 M EUR**

Támogatott projektek száma: **7**

Pályázati felület megnyílik: **2027.06.30.**

Beadási határidő: **2027.09.22.**

Felhívás linkje: [LINK](#)

Proposals under this topic should aim to deliver results that are directed at, tailored towards and contributing to all the following expected outcomes:

- Healthcare professionals have access to multi-scale , multi-organ models of individual patients that aim to improve prevention and diagnosis in high disease burden areas.
- Health professionals benefit from enhanced knowledge of complex diseases and co-morbidities by recourse to multi-scale, multi-organ models.
- Patients with diverse characteristics (e.g. of any gender or age group) benefit from improved, integrated and personalised prevention and diagnostics tools.
- Health professionals and patients benefit from the use of “Virtual Human Twin” (VHT) models which enable integration of other preventive and diagnostic tools and modalities.

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Towards Artificial General Intelligence (AGI) for healthcare

HORIZON-HLTH-2027-03-TOOL-08

Program:	Horizon Europe Cluster 1
Típus:	Coordination and Support Actions
TRL szint:	nem releváns
Támogatás projektenként:	3 M EUR
Támogatott projektek száma:	1
Pályázati felület megnyílik:	2027.06.30.
Beadási határidő:	2027.09.22.
Felhívás linkje:	LINK

Proposals under this topic should aim to deliver results that are directed at, tailored towards and contributing to all the following expected outcomes:

- Researchers and innovators benefit from an improved understanding of how to develop and use the next generation of frontier Artificial Intelligence (AI) models for healthcare, including how to leverage AI Factories and how to combine and expand the capabilities of existing foundation models towards inclusive and personalised medicine.
- Researchers and innovators benefit from an improved understanding of how to leverage highly heterogeneous and multimodal health data spanning a range of anatomical scales (i.e. the micro to the macro level).
- Multidisciplinary stakeholders have access to a collaboratively created roadmap for developing the next generation of frontier AI models for healthcare, towards Artificial General Intelligence (AGI) for healthcare.

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