HORIZON EUROPE: HEALTH CLUSTER: PERSONALISED MEDICINE: 2024 CALLS

Dr. Horváth Klára

2023.12.08.
THREE PILLARS FOR IMPLEMENTATION

Pillar 1
EXCELLENT SCIENCE
- European Research Council
- Marie Skłodowska-Curie Actions
- Research Infrastructures

Pillar 2
GLOBAL CHALLENGES & EUROPEAN INDUSTRIAL COMPETITIVENESS
- Health
- Culture, Creativity and Inclusive Society
- Civil Security for Society
- Digital, Industry and Space
- Climate, Energy and Mobility
- Food, Bioeconomy, Natural Resources, Agriculture and Environment

Joint Research Centre

Pillar 3
INNOVATIVE EUROPE
- European Innovation Council
- European innovation ecosystems
- European Institute of Innovation and Technology

WIDENING PARTICIPATION AND STRENGTHENING THE EUROPEAN RESEARCH AREA
- Widening participation and spreading excellence
- Reforming and Enhancing the European R&I system

HORIZON EUROPE

+ 

- Cancer Mission
- ERA-NETs/Partnerships
- EIT Health KIC
HORIZONE EUROPE

- HEALTH Work Programme: 2024 calls
- Mission Work Programme: Cancer mission: 2024 calls: drafts
- Innovative Health Initiative calls + future topics
- Partnership calls
- ERA-NET calls
WP: Type of action

- **Research and Innovation Action (RIA)**
  - Funding rate: 100%

- **Innovation Action (IA)**
  - Funding rate: 70% (non-profit organisations: 100%)

- **Coordination and Support Action (CSA)**
  - Funding rate: 100%

- **Pre-Commercial Procurement (PCP)**

- **Public Procurement of Innovative Solutions (PPI)**

- **Co-Fund Partnership**

- **Indirect cost: 25%**
WP: Rules of participation

- **Rules of participation:** Any legal entity, regardless of its place of establishment, including legal entities from non-associated third countries or international organisations may participate in actions.

- **Funding:** member states + associated countries + USA

- Entities shall be part of a consortium that shall include at least **three independent legal entities** each established in a different Member State or associated country and with at least one of them established in a Member State (Exception: Coordination and Support Actions may be implemented by one or more legal entities, plus specific rules for Procurement Actions).
Health Cluster

Structure of the 2-year Work Programmes:
• Introduction
  • Destination
    • Call/year (single stage and two stage calls)
      • Topics:
        • Title
        • Specific Conditions related to topic (budget, type of action)
        • Expected outcome: what should be achieved from the project
        • Scope: what should be done in the project

Open now: 2024 calls single stage:

Timeline: Call opening: 26 October 2023

Deadlines: 11 April 2024
Six “Destinations”:

• 1. Staying healthy in a rapidly changing society
• 2. Living and working in a health-promoting environment
• 3. Tackling diseases & reducing disease burden
• 4. Ensuring access to innovative, sustainable & high-quality Healthcare
• 5. Unlocking the full potential of new tools, technologies and digital solutions for a healthy society
• 6. Maintaining an innovative, sustainable & globally competitive health industry
CALL TOPICS 2024

<table>
<thead>
<tr>
<th>Topic title</th>
<th>Type of Action</th>
<th>Single stage/Two stage</th>
<th>Budget (Million EUR)</th>
</tr>
</thead>
<tbody>
<tr>
<td>HORIZON-HLTH-2024-DISEASE-08-12: Pandemic preparedness and response:</td>
<td>CSA</td>
<td>Single stage</td>
<td>2.00 (2.00/project)</td>
</tr>
<tr>
<td>Maintaining the European partnership for pandemic preparedness</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>HORIZON-HLTH-2024-DISEASE-08-20: Pandemic preparedness and response:</td>
<td>RIA</td>
<td>Single stage</td>
<td>50.00 (7-8.00/project)</td>
</tr>
<tr>
<td>Host-pathogen interactions of infectious diseases with epidemic potential</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
## CALL TOPICS 2024

<table>
<thead>
<tr>
<th>Topic title</th>
<th>Type of Action</th>
<th>Single stage/Two stage</th>
<th>Budget (Million EUR)</th>
</tr>
</thead>
<tbody>
<tr>
<td>HORIZON-HLTH-2024-TOOL-11-02: Bio-printing of living cells for regenerative medicine</td>
<td>RIA</td>
<td>Single stage</td>
<td>25.00 (6.00-8.00/project)</td>
</tr>
</tbody>
</table>
## CALL TOPICS 2024

<table>
<thead>
<tr>
<th>Topic title</th>
<th>Type of Action</th>
<th>Single stage/ Two stage</th>
<th>Budget (Million EUR)</th>
</tr>
</thead>
<tbody>
<tr>
<td>HORIZON-HLTH-2024-IND-06-08: Developing EU methodological frameworks for clinical/performance evaluation and post-market clinical/performance follow-up of medical devices and in vitro diagnostic medical devices (IVDs)</td>
<td>RIA</td>
<td>Single stage</td>
<td>10.00 (8.00-10.00/project)</td>
</tr>
<tr>
<td>HORIZON-HLTH-2024-IND-06-09: Gaining experience and confidence in New Approach Methodologies (NAM) for regulatory safety and efficacy testing – coordinated training and experience exchange for regulators</td>
<td>CSA</td>
<td>Single stage</td>
<td>2.00 (2.00/project)</td>
</tr>
</tbody>
</table>
Missions

• „Missions provide a solution, an opportunity, and an approach to address the numerous challenges that people face in their daily lives”
  Professor Mariana Mazzucato

• **Connecting to citizens:** Missions will relate EU's research and innovation to society and citizens' needs, with strong **visibility and impact** to rationalise the European R&I partnerships landscape.

• A mission will consist of a portfolio of actions intended to achieve a bold and inspirational as well as **measurable goal within a set timeframe**, with impact for science and technology, society and citizens that goes beyond individual actions.
Cancer Mission

5 intervention areas:

- Understand cancer, its risk factors and impact
- Prevent what is preventable
- Optimise diagnostics and treatment
- Support quality of life
- Ensure equitable access
<table>
<thead>
<tr>
<th>Topic title</th>
<th>Type of Action</th>
</tr>
</thead>
<tbody>
<tr>
<td>Use cases for the UNCAN.eu research data platform</td>
<td>CSA</td>
</tr>
<tr>
<td>Support to the development of national cancer data nodes</td>
<td>CSA</td>
</tr>
<tr>
<td>Accessible and affordable risk predictor tests to advance early detection of heritable cancers in European regions</td>
<td>IA</td>
</tr>
<tr>
<td>Support a pragmatic clinical trial programme by cancer charities</td>
<td>CSA</td>
</tr>
<tr>
<td>Improving the understanding and management of late-effects in adolescents and young adults (AYA) with cancer</td>
<td>RIA</td>
</tr>
<tr>
<td>An information portal for the European Cancer Patient Digital Centre</td>
<td>IA</td>
</tr>
</tbody>
</table>
• to **rationalise** the European R&I partnerships landscape
• to improve the **openness and transparency** of R&I partnerships
• to **link** the R&I partnerships to future EU R&I missions and/or strategic priorities
Partnerships

• EU-Africa Global Health Partnership
• Innovative Health Initiative
• European Partnership for Chemicals Risk Assessment (PARC)
• ERA for Health Research
• Health and Care Systems Transformation
• Personalised Medicine
• Rare Diseases
• One Health/AMR
• Brain Health
• Preparedness


2021/2022

2023/2024/2025
Partnerships

• **Innovative Medicines Initiative (IMI)**
• Public-Private Partnership (PPP)
• Industry partner: EFPIA
• 2 stage calls
• Call topics: EFPIA

• **Innovative Health Initiative (IHI)**
• PPP
• Industry partner: EFPIA, COCIR, EuropaBio, MedTech Europe, Vaccines Europe
• 1 stage and 2 stage calls
• Innovation panel

https://www.ihi.europa.eu/
Innovative Health Initiative

- Single stage call: – very open – public and private actors self assemble and compete for funding
Innovative Health Initiative

• Eligibility for funding in single stage calls:

• Industry partners shall provide at least 45% of the sum of total project eligible costs
Innovative Health Initiative

- Two-stage procedure: applicant consortia must submit a short proposal for the stage 1 evaluation; the first ranked applicant consortium will be invited to prepare and submit a full proposal for the stage 2 evaluation together with the ‘pre-identified industry consortium’.
Innovative Health Initiative

• Eligibility for funding in two stage calls:

- Non-profit organisations
- For-profit legal entities (SME and larger enterprises with an annual turnover of less than EUR 500 million)

NOT eligible for funding:
- Pre-identified Industry Consortium
- For-profit company:
  (a) with an annual turnover of EUR 500 million or more
  (b) directly or indirectly controlling/or being controlled by for profit legal entities with an annual turnover of EUR 500 million or more.
# Innovative Health Initiative

Single stage call (call 5): Deadline: **16 January 2024**

<table>
<thead>
<tr>
<th>Topic title</th>
<th>(Budget/project) Million EUR</th>
</tr>
</thead>
<tbody>
<tr>
<td>Accelerating the implementation of New Approach Methodologies and other innovative non-animal approaches for the development, testing and production of health technologies</td>
<td>12.00-15.00</td>
</tr>
<tr>
<td>Development and proof of principle of new clinical applications of theranostics solutions</td>
<td>10.00-12.00</td>
</tr>
<tr>
<td>Improved prediction, detection, and treatment approaches for comprehensive stroke management</td>
<td>10.00-13.00</td>
</tr>
<tr>
<td>Maximising the potential of synthetic data generation in healthcare applications</td>
<td>10.00</td>
</tr>
</tbody>
</table>
Innovative Health Initiative

Two stage call (call 6) topics

<table>
<thead>
<tr>
<th>Topic title</th>
<th>(Budget/project) Million EUR</th>
</tr>
</thead>
<tbody>
<tr>
<td>Support healthcare system resilience through a focus on persistency in the treatment of chronic diseases</td>
<td>11.30</td>
</tr>
<tr>
<td>Development of evidence based practical guidance for sponsors on the use of real-world data / real-world evidence</td>
<td>13.30</td>
</tr>
</tbody>
</table>
## Innovative Health Initiative

### Single stage call (call 7) topics

<table>
<thead>
<tr>
<th>Topic title</th>
<th>(Budget/project) Million EUR</th>
</tr>
</thead>
<tbody>
<tr>
<td>Improving clinical management of heart disease from early detection to treatment</td>
<td>12.50</td>
</tr>
<tr>
<td>User-centric technologies and optimised hospital workflows for a sustainable healthcare workforce</td>
<td>12.50</td>
</tr>
<tr>
<td>Clinical validation of biomarkers for diagnosis, monitoring disease progression and treatment response</td>
<td>15.00</td>
</tr>
</tbody>
</table>
ERA-NET and Partnership calls 2024

- JPND ERA-NET
- NEURON ERA-NET
- JPIAMR ERA-NET
- TRANSCAN ERA-NET
- PERMED Partnership
- ERA4HEALTH Partnership

Hu participants: 2019-2.1.7-ERA-NET / 2023-1.2.2-HE_PARTNERSÉG

ERA-NET and Partnership calls 2024

- Smaller consortia (3 – 6/7 partners)
- Up to 3 years
- 2 stage calls
- Easier application
- International evaluation
- Different countries!
- Widening actions
- Budget: **300 000 EUR**
ERA4HEALTH Partnership

- **Call 2024: Nanomedicine:**
  „Nano and advanced technologies for disease prevention, diagnostic and therapy” (NANOTECMEC)
- a) Regenerative medicine
- b) Diagnostics
- c) Nanotherapy
- **Deadline for pre-proposals:** 30 January 2024; for full-proposals: 13 June 2024
- [https://era4health.eu/nanotecmec-2024/](https://era4health.eu/nanotecmec-2024/)
PERMEDI Partnership

• Call 2024: “Identification or Validation of Targets for Personalised Medicine Approaches”
• Launch: January 2024
• https://www.eppermed.eu/jtc2024/
NEURON ERA-NET

• Call 2024:
  “Biderctional brain-body interactions”
• Launch: January 2024
• Call 2024:
  „Mechanisms and measurement of disease progression in the early phase of neurodegenerative diseases”
• Launch: January 2024

• Call 2024: AMR Interventions

• “Interventions Moving forward to Promote ACTion to counteract the emergence and spread of bacterial and fungal resistance and to improve treatments"

• Launch: January 2024

• Webinar for applicants: 24 January 2024

Important websites

• Open calls:
  • https://ec.europa.eu/info/funding-tenders/opportunities/portal/screen/home

• EU research results:
  • https://cordis.europa.eu/

• EU research and innovation data: Horizon Dashboard
  • https://webgate.ec.europa.eu/dashboard/sense/app/93297a69-09fd-4ef5-889f-b83c4e21d33e/sheet/a879124b-bfc3-493f-93a9-34f0e7fba124/state/analysis

• Register as experts:
  • https://ec.europa.eu/info/funding-tenders/opportunities/portal/screen/work-as-an-expert

• Horizon Europe:
  • https://www.horizonteuropa.nkfih.gov.hu/
Thank you

klara.horvath@nkfih.gov.hu