Horizon 2020
Work Programme
for Research & Innovation
2018-2020

EU funding for health research SMEs

BIO-Europe 2018, Copenhagen

Laszlo Helmle, Strategy Unit
Health Directorate, European Commission
Research and innovation – a growing priority for the EU
Horizon 2020 supports Commission priorities

- Jobs, growth & investment
- Digital single market
- EU – a stronger global actor

- Couple research to innovation
- Provide evidence-base for addressing societal challenges, supporting EU policies and better regulation
- Strengthen research capacities and innovation strategies across all Member States
- Address people's concerns
Health Research in Horizon 2020

Collaborative R&I projects
- Secure
- Societal
- Challenges

Grants for small businesses
- SME Instrument
- FAST TRACK

InnovFin
- Loans for small & large companies

Public-Private Partnership with big Pharma
- IMI
- Innovative Medicines Initiative

Public-Public Partnerships with EU Member States & beyond

Horizon 2020

Education – R&D – Innovation
- EIT Health

Prizes
- Horizon Prize

MORE YEARS
- BETTER LIVES

Blue sky research
- JPND research
- jpiamr
- MORE YEARS
- BETTER LIVES

European Research Council
- FET Horizon 2020

Horizon 2020
- Marie Skłodowska-Curie actions
- HORIZON2020
Collaborative research

- Collaboration between countries, sectors, disciplines
- Minimum 3 legal entities from 3 different EU Member States or FP-associated countries (not for the SME instrument or financial instruments, which are mono-beneficiary!)
- 3-year work programme (2018-2020) with published call topics
- Electronic submission (and grant management) via 'Funding & Tenders Portal'
- Independent peer review; success rate around 10%
- 8 month from submission deadline to signature of the grant agreement
- Typical EU funding per project: 4-6 million EUR
- Managed (in Societal Challenge 1) directly by the Commission
Health collaborative research – 7 priorities for 2018–2020

- Personalised medicine
- Decoding the role of the environment for health and well-being
- Infectious diseases and improving global health
- Innovative health and care industry
- Innovative health, and care systems – Integration of care
- Digital transformation in Health and Care
- Trusted digital solutions and Cybersecurity for Health and Care
Innovative health and care industry

SC1-BHC-07-2019

**Regenerative medicine**: from new insights to new applications
- addressing unmet clinical needs of large patient groups
- from early testing and characterization of regenerative mechanisms to preclinical research, proof of concept or clinical trial

SC1-BHC-10-2019

*Innovation Procurement*: **next generation sequencing** (NGS) for routine diagnosis
- support for personalised medicine
- clinically validated procedures, quality assurance schemes
Digital transformation in Health and Care

SC1-DTH-10-2019-2020  
submission deadline: 14 Nov 2018

Innovation Procurement: Digital health and care services
- facilitate the transition to integrated care models across health and social services
- Key challenges: patient empowerment, self-management, patient safety, patient involvement, chronic disease management, diagnosing, home-care logistics, hospital logistics, skills and independent living

SC1-DTH-01-2019

Big data and Artificial Intelligence for monitoring health status and quality of life after the cancer treatment
- address relevant health economic issues, use patient reported outcome and experience measures
Trusted digital solutions and Cybersecurity for Health and Care

DT-TDS-01-2019

submission deadline: 14 Nov 2018

Smart and healthy living at home

- Intelligent and personalised digital solutions for sustaining and extending healthy and independent living
- Personalised early risk detection and intervention
European Innovation Council: pilot 2018-2020
€ 2.7 billion to support +5,000 SMEs and innovators

ECOSYSTEM SUPPORT: COACHING, MENTORING for all SME beneficiaries

FET-OPEN
Future Emerging Technologies

FTI
Fast Track to Innovation

SME Instrument
Phase 1

SME Instrument
Phase 2

Early stage science & tech
Emerging tech, Visionary ideas

Test and co-create
Demonstrate, validate

Feasibility / Startup

Development

6 EIC HORIZON PRIZES:
1. Innovative Batteries for eVehicles
2. Fuel from the Sun: Artificial Photosynthesis
3. Early Warning for Epidemics
4. Blockchains for Social Good
5. Low-Cost Space Launch
6. Affordable-HighTech for Humanitarian Aid
## European Innovation Council pilot – funding opportunities for innovators

<table>
<thead>
<tr>
<th>Instrument →</th>
<th>SME-Instrument</th>
<th>FTI</th>
<th>FET-Open</th>
<th>EIC Horizon prizes</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>For whom</strong></td>
<td>One or more eligible(^1) SMEs</td>
<td>From 3 to 5 eligible(^1) entities (mostly industrial(^2))</td>
<td>At least 3 entities(^3)</td>
<td>One or more entities (with restrictions(^1) for some of the prizes)</td>
</tr>
<tr>
<td><strong>Focus</strong></td>
<td>Exploring the feasibility of a business idea (~ 6 months)</td>
<td>Breakthrough innovation &amp; international growth (12-24 months)</td>
<td>Close-to-market innovation</td>
<td>Radically new technologies</td>
</tr>
<tr>
<td><strong>Maximum funding(^4)</strong></td>
<td>50,000 €</td>
<td>2.5 M€</td>
<td>3 M€</td>
<td>3 M€ (RIAs)</td>
</tr>
<tr>
<td><strong>Total budget 2018-20</strong></td>
<td>164 M€</td>
<td>1,425 M€</td>
<td>300 M€</td>
<td>647 M€ (RIAs)</td>
</tr>
</tbody>
</table>

\(^{1}\) Applicants must be established in an EU Member State or in a country associated to Horizon 2020  
\(^{2}\) This industry involvement implies: (a) either the allocation of at least 60% of the budget to industry participants in the consortium, or (b) the presence of a minimum number of two industry participants in a consortium of three or four partners, or of three industry participants in a consortium of five partners  
\(^{3}\) A FET-Open consortium must always include at least 3 participants from 3 different EU Member States or Associated Countries. In addition to these three partners, any legal entity from anywhere in the world can also be included in the consortium.  
\(^{4}\) Per project – with possible exceptions
EARLY WARNING FOR EPIDEMICS

SOLVE THE CHALLENGE

€5 million
AFFORDABLE HIGH-TECH FOR HUMANITARIAN AID

SOLVE THE CHALLENGE

€ 5 million in prizes
Eurostars under Horizon 2020

1.148 billion
Eurostars total public budget 2014-2020

75% + 25%
EUROSTARS COUNTRIES CONTRIBUTION + EU CONTRIBUTION
Eligibility

- Project leader is an **R&D-performing SME** from a Eurostars country
- **At least 2 Participants**
  - Autonomous entities
  - Legal entities from at least 2 Eurostars countries
- **SMEs are in the driving seat**
- **International balance**
- **Project duration is max. 3 years**
- **Market introduction within 2 years**
Funding & Tenders Portal: one-stop shop

- Call topics + all related documents
- NCPs
- Expert registration
- Legal & guidance documents
- FAQs
- Access to proposal submission system

https://ec.europa.eu/info/funding-tenders/opportunities/portal/screen/home
Thank you!

@EUSciencelnnov

#InvestEUresearch
#EUHealthResearch

http://ec.europa.eu/research/health
https://ec.europa.eu/info/funding-tenders/opportunities/portal/screen/home