HORIZON EUROPE- EARLY CAREER RESEARCHERS

Aberdeen Grants Academy

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Who is eligible and how to apply

- Eligibility – any legal entity can participate
  - Collaborative projects - Must be a consortium of minimum 3 independent legal entities, each established in a different EU Member State (MS) or Associated countries, with at least 1 of them established in a MS
  - Monobeneficiary projects – coordination & support actions, some MSCA and co-fund actions.

Main Types of Actions
- RIA – Research and Innovation Actions – up to 100% funding rate
- IA – Innovation Actions – up to 70% funding rate (except non-profit, 100% applies)
- CSA – Coordination and Support Actions – up to 100% funding rate

Award Criteria
- Excellence
- Impact
- Quality and Efficiency of implementation

- Proposal submission and grant management – all electronically, via the EU portal

https://ec.europa.eu/info/funding-tenders/opportunities/portal/screen/home
Horizon Europe (2021-2028)

UK has associated country status- eligible for all of the above calls
Pillar I: Excellent Science

€16.1bn

European Research Council
- Starting Grants
- Consolidator Grants
- Advanced Grants

Research Infrastructures
€6.4bn

Marie Skłodowska-Curie Actions
- Enhance the career development and training of researchers
- Promote international and inter-sectoral collaboration and mobility
- Bridge academic and non-academic sectors in and outside of Europe
- Promote sharing of knowledge and ideas from research to market (and vice versa)
- Foster a shared culture of R&I that welcomes and rewards creativity and entrepreneurship

- MSCA Doctoral Networks
- MSCA Postdoctoral Fellowships
- MSCA Staff Exchanges
- MSCA COFUND

Do you want to...
- Access excellent researchers?
- Develop new and strengthen existing collaborations?

MSCA: bottom up + open to all areas of research at all stages - from basic frontier research to near market uptake

Provide funding for all researcher career stages as well as managerial, administrative or technical staff

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Cluster 1 - Health

1. Staying healthy in a rapidly changing society
   - Diet and health (obesity)
   - Ageing and demographic change
   - Mental health
   - Digital empowerment in health literacy
   - Personalised prevention
   - AI to predict disease risk

2. Living and working in a health-promoting environment
   - Environmental, occupational and socio-economic risk factors to health, e.g.
     - indoor & outdoor air pollution, chemicals, non-ionizing radiation (EMFs)
     - urbanisation, climate and other environmental changes
     - socio-economic inequalities, working environments

3. Tackling diseases and reducing disease burden
   - Better diagnostics, personalised treatment
   - New and advanced therapies for NCDs
   - Scientific evidence, policy, legal frameworks
   - Innovative health technologies
   - Understanding diseases
   - Infectious disease threats

4. Ensuring access to innovative, sustainable and high-quality health care
   - Fair access to high quality, sustainable healthcare for all citizens
   - Innovative, feasible, implementable, financially sound scalable solutions
     for governance, financing, human and physical resources, health service provision
     and patient empowerment

5. Unlocking the full potential of new tools, technologies and digital solutions for a healthy society
   - Tools, technologies and digital solutions for medical devices and improved health
     - considering safety, effectiveness, appropriateness, accessibility,
     - comparative value-added and fiscal sustainability, as well as
     - ethical, legal and regulatory issues

6. Maintaining an innovative, sustainable and globally competitive health industry
   - Market access of innovative tech. (medical, pharmaceutical, biotech, digital)
   - Novel methodologies and metrics, and support for regulatory authorities
   - Safe and clinically validated tools, technologies and services
   - Greener pharmaceuticals and technologies
Cluster 6: Food, Bioeconomy Natural Resources, Agriculture and Environment

- Biodiversity and Ecosystem Services
  - Innovative governance, environmental observations and digital solution in support of the Green Deal
  - €374 m
  - 36 Topics

- Fair, healthy & environmentally friendly food systems from primary production
  - €404 m
  - 39 Topics

- Resilient, inclusive, healthy and green communities
  - €353 m
  - 43 Topics

- Circular economy and bioeconomy sectors
  - €230 m
  - 22 Topics

- Land oceans and water for climate change
  - €193 m
  - 16 Topics

- Clean Environment and zero pollution
  - €116 m
  - 14 Topics

Destination 1: Biodiversity and ecosystem services
- Understanding biodiversity decline
- Valuing and restoring biodiversity and ecosystem services
- Managing biodiversity in primary production
- Enabling transformative change on biodiversity

Destination 2: Fair, healthy and environmentally-friendly food systems from primary production to consumption
- Enabling sustainable farming
- Enabling sustainable fisheries and aquaculture
- Transforming food systems for health, sustainability and inclusion
- Targeted international cooperation

Destination 3: Circular economy and bioeconomy sectors
- Enabling a circular economy transition
- Innovating sustainable bio-based systems and the bioeconomy
- Safeguarding the multiple functions of European forests
- Innovating for blue economy and biotechnology value chains

Destination 4: Clean environment and zero pollution
- Halting emissions of pollutants to soils and waters
- Protecting drinking water and managing urban water pollution
- Addressing pollution on seas and oceans
- Innovating for blue economy and biotechnology value chains

Destination 5: Land, oceans and water for climate action

Destination 6: Resilient, inclusive, healthy and green rural, coastal and urban communities

Destination 7: Innovative governance, environmental observations and digital solutions in support of the Green Deal
- Innovating with governance models and supporting policy
- Deploying and adding value to Environmental Observations
- Digital and data technologies as key enablers
- Strengthening agricultural knowledge and innovation systems
Missions

5 mission areas have been identified:

- Adaptation to climate change including societal transformation
- Cancer
- Climate-neutral and smart cities
- Healthy oceans, seas, coastal and inland waters
- Soil health and food
COST actions

• Provides international funding for researchers to set up their interdisciplinary research networks in Europe
• Any topic, 4 year duration.
• **COST Actions** provide funds for organising meetings, training schools, short term scientific missions or other networking activities
• [https://www.cost.eu/funding/how-to-get-funding/how-to-apply/](https://www.cost.eu/funding/how-to-get-funding/how-to-apply/)
• Minimum 7 partners, 50% based in inclusiveness target countries*
• Join current actions: [https://www.cost.eu/cost-actions/browse-actions/2/](https://www.cost.eu/cost-actions/browse-actions/2/)

*Albania, Bosnia and Herzegovina, Bulgaria, Cyprus, Czech Republic, Estonia, Croatia, Hungary, Lithuania, Latvia, Luxembourg, Malta, Moldova, Montenegro, Poland, Portugal, Romania, Slovenia, Slovakia, Republic of North Macedonia, Republic of Serbia and Turkey.*
Ways to participate

• Contact colleagues in EU member states and initiate discussions around topics and schemes of interest
• Join relevant partnerships - contact NCPs
• Search CORDIS https://cordis.europa.eu/ for related projects
• Access internal pump priming funds to establish networks
• Library of successful grant applications
• Apply to be an expert advisor – done via the EU Portal
• Networking/Training: Scotland Europa, UKRO, Aurora Universities Network

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Upcoming deadlines

Marie Skłodowska Curie Actions (MSCA)
• Staff Exchanges (previously RISE) – 22\textsuperscript{nd} September 2021
• Doctoral Fellowships (previously ITN) - 16\textsuperscript{th} November 2021

• ERC starter 13/01/2022
• ERC consolidator 17/03/2022
• Cluster calls- varying deadlines, first deadlines are in September 2021

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National Contact Points

- **Advanced manufacturing and processing, Nanotechnologies and advanced materials**
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- **Climate action, environment, resource efficiency and raw materials**
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- **Culture, Creativity and Inclusive Society**
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- **Energy**
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- **Food security, sustainable agriculture and forestry, marine and inland water research, bioeconomy**
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- **Health, wellbeing and demographic change**
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- **ICT and future and emerging technologies**
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- **COST Actions**
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