Funding for early career researchers

Shirley Foster: *Wellcome Trust – Leverhulme – Royal Society – British Heart Foundation*

David Lauder: *EU Funding – Health Sciences and Social Sciences*
Overview of Presentation

- Relevant UK Schemes
- Application Process
- EU Funding (Horizon 2020 Programme)
  - Marie Sklodowska-Curie Fellowships
  - ERC Starting Grants
- More Application Tips
- Further Information (Handout)
- QUESTIONS
York Research Income by Funder

UK Research Council 41%
EU Govt 15%
UK Central Govt 24%
UK Charity 11%
UK Industry 2%
EU Other 4%
Other Overseas 3%
UK SCHEMES

- **Fellowships**

- **Invest in YOU**

- **Fellowships Awards**
  (Must have a PhD - some schemes require a min. 3 years experience)

- Lots of funders – NIHR – RCUK – Charities (Wellcome, Royal Society, Leverhulme)

- 1-5 years of salary plus research expenses – fEC contribution

- Salary Enhancements - Training budget – Seminars
UK SCHEMES

- Travel grants
- Seed Awards
- Small equipment grants
- Project grants

- Develop a track record and promote collaborations
- Project grants – answer a question
  Principal Investigator with Co Investigator and researchers funded on the grant
- Internal funding
Early Career Fellowships

Knowledge Transfer partners
  (Innovate UK)

ECF support the early career researcher

Government Body – Initiative supports new graduates giving them experience to work in Industry

Advertised roles
Application Procedure

What is the process?

Start of RSO Approval Process

Submit pFACT for RSO Approval

Approved Full Application

Complete Submission of Research Form, signed by PI and HoD, and sent to RSO

Minimum of 10 Working Days

Electronic Submission PI submit to Approver Pool

Funder Submission Deadline

Approved

Check PI Ethic

Check PI Ethic

Revise Academic Text

RSO manager to sign, PI to send application to sponsor

Online submission to sponsor by RSO

the length of time taken to academic application.
Application Process

Four broad stages:

1. Prepare
2. Develop
3. Authorise
4. Submit

Contact RGC and department

System Registration

Identify internal reviewer / mentor

Understand requirements of scheme and plan resources
Four broad stages:

1. Prepare
2. Develop
3. Authorise
4. Submit

Develop proposal

Internal review / Departmental Approval

Secure internal authorisations (ethics, health & safety, etc)
Four broad stages:

1. Prepare
2. Develop
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Application Process

Four broad stages:
1. Prepare
2. Develop
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Whole process may take at least six months
Research Support on the Web

Applying for funding

The following pages will guide you through the stages of applying for funding and give further information about other related activities such as contracts and Intellectual Property.

RGC was tasked with implementing a new process for submitting research applications. Please find the blog here of.

Start here

Current high-level pre-award application process at York

Application process

This chart visualises the process of applying for grant funding:

- RGC Grant application workflow (PDF, 1.3kb)

Funding, grants and contracts

- Applying for funding
- Intellectual property
- Contact Research Grants and Contracts
- Glossary of abbreviations
- Frequently asked questions

This video (with an audio description) gives a high-level overview of the current research application process at York, outlining the procedures and systems currently in use to support research applications.
• The EU is a major funder of research
• Individual researchers can apply in any research field
• Part of Horizon 2020 Programme
• Runs to end of 2020
• Calls for proposals (roughly) every year
Where individual funding fits within H2020

ERC
Budget: €13.095

Marie Curie
Budget: ~ €6.5b in H2020 (€4.7b in FP7)

Excellent Science
- European Research Council (ERC)
- Future and Emerging Technologies (FET)
- Marie Skłodowska-Curie Actions (MSCA)

Industrial Leadership
- Leadership in Enabling and Industrial Technologies (LEIT) - ICT, KETs, Space
- Access to Risk Finance
- Innovation in SMEs

Societal Challenges
- Health and Wellbeing
- Food security
- Transport
- Energy
- Climate action
- Societies
- Security

Widening Participation; Science with and for Society, Mainstreaming of Social Sciences and Humanities (SSH) and ICT

European Institute of Innovation and Technology (EIT)

EURATOM

Joint Research Centre (JRC)
Key Elements: **Training and mobility**

- **For Experienced Researchers (ER):** $= \text{Researchers with PhD or at least 4 years research experience}$
- Enhance career and skills acquisition of researchers
- Opportunities for secondments to non-academic sector within grant life
- Duration between 12 to 24 months FTE
- Funding primarily to cover fellow’s salary
- **General Mobility rule:** “The Fellow must not have been resident in host country for more than 12 months in the last 3 years immediately before application deadline”
### IF : Mobility options

**Duration:** 12 to 24 months FTE

<table>
<thead>
<tr>
<th>TYPE</th>
<th>Mobility</th>
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<tr>
<td><strong>Type 1: European Fellowships</strong></td>
<td><strong>Within Europe</strong>&lt;br&gt;<em>Fellow travels to another country in EU (or Associated State)</em>&lt;br&gt;&lt;br&gt;<strong>From the World to Europe</strong>&lt;br&gt;<em>Fellow Travels from outside EU to an EU country or associated State</em></td>
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<tr>
<td><strong>Type 2: Global Fellowships</strong></td>
<td><strong>From Europe to the World .....and back</strong>&lt;br&gt;<em>Fellow spends 24 months outside the EU and then comes back for 12 months</em></td>
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Eligible Researcher
(From outside the host country)

Supervisor
(PI at Host)

Application is on EU Participant’s Portal:
- **Support to the individual** researchers
- No predetermined subjects (**bottom-up** approach); all fields of science and cross boundaries between research fields - pioneering
- **Frontier research** projects – ground-breaking nature, novel hypotheses, new and emerging fields of research, etc.
- **Excellence** is the sole criterion
- **Open to all researchers** from anywhere in the world willing to do research in Europe
Types of ERC Grants

**Starting Grants**
(2-7 years after PhD*) up to €1.5 Mil for 5 years
PI should commit 50% of their time

**Consolidator Grants**
(7-12 years after PhD*) up to €2.0 Mil for 5 years
PI should commit 50% of their time

**Advance Grants**
Track record of significant research achievements in the last 10 years
up to €2.5 Mil for 5 years
PI should commit 30% of their time

**Synergy Grants**
2 – 4 Principal Investigators
up to €15 Mio for 6 years

**Proof-of-Concept**
Bridging gap between research – earliest stage of marketable innovation
up to €150,000 for ERC holders

*To publication date of call*
FUNDING ADVICE AND TIPS
Planning

- Give yourself plenty of time
- Write down your ideas in one page proposal outline
- Notify your Department as soon as you have identified your funder with your ideas
- Contact RGC co-ordinator (or EU project manager) and dept. administrators/— they are the experts on the funders and there to support you
- Identify a critical buddy
- Get your application checked — lay person — proof reader
Funder Tips for Success

- Select your Funder carefully - make sure you understand the call – the research fits the Funder’s mission statement
- Start small be realistic and focused – ensure you are not overambitious or unrealistic in your aims
- Use effective and feasible methodology. Demonstrates project management skills and shows that you have thought things through
- Use appropriate resources with clear purpose and role for each part
- Show that the project’s aims are achievable
- Sell your idea clearly in the proposal and highlight why the research is important
Finding a funder

- **Research Professional**
  - searchable database of funding sources
  - can be tailored to your research interests
  - alerts can be set up
- Funder mailing lists
- Internal communications
- Speak to your colleagues
- Contact RGC
Who funds research?

- EPSRC
  Pioneering research and skills

- ESRC
  Economic and Social Research Council
  Shaping Society

- BBSRC
  Bioscience for the future

- Natural Environment Research Council

- MRC
  Medical Research Council
  Leading science for better health

- Arts & Humanities Research Council

- Science & Technology Facilities Council
Who funds research?

- Many different charities
- Diverse approaches to funding
- Financial restrictions
- Expert peer review
- Charity QR
Who funds research?

- ‘The National Institute for Health Research (NIHR) is funded through the Dept of Health to improve the health and wealth of the nation through research.’

- York benefit from having the YTU based at York – this means we are particularly asked to collaborate over other organisations who do not have a trials unit

NIHR TV
https://www.youtube.com/user/NIHRtv
• UK Government – offer funding on various calls for research to answer specific questions

• Innovate UK initiative - KTP’s (Knowledge transfer partners) which allow Graduates to work in Industry

• Industrial Funding is specific to the calls and is GOLD STAR funded at 100% fEC
Research - information for staff

There is an extensive range of services and information available to staff of the University to support their externally funded projects.

This section of the website provides information relating to the stages of applying for research funding and related aspects such as contracts and intellectual property.

### Funding, grants and contracts

- External funding, grants and contracts
- Internal funding (Staff access only)
- European funding
- Managing grants
- Intellectual property
- Funding for international engagement

### Systems

- Pure
- pFACT
- je-S and other systems

### Research performance

- Research assessment including REF

### Research at York

Find topics, researchers, etc.

Search research database

- Login to PURE
  Manage your research data

- York Research Database
  Browse and search public data
WEBLINKS

- **RGC CONTACTS** - https://www.york.ac.uk/staff/research/external-funding/support-contact-rsg/
- **PFACT COSTING** - https://www.york.ac.uk/staff/research/external-funding/applying/costing/
- **RESEARCH PROFESSIONAL** - https://www.york.ac.uk/staff/research/external-funding/applying/finding-funding/research-professional/
- **APPLICATION PROCESS** - https://www.york.ac.uk/staff/research/external-funding/newresearchfundingapplicationprocess/
- **EUROPEAN FUNDING** - https://www.york.ac.uk/staff/research/external-funding/european/
- **PURE** - https://www.york.ac.uk/staff/research/pure/
QUESTIONS
Thank You!!!