Sharing Session:
Europe Research Grant Application

By
Mahyuddin Arsat
Objectives:

• To share information and opportunity to apply Europe research grants
• To form several research groups and research topics
• To plan research group meeting
UTM aims

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<tr>
<td><strong>International</strong></td>
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<tr>
<td>Japan</td>
<td>1,000,000.00</td>
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<td>7 mill</td>
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<td>7 mill</td>
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<tr>
<td>Contract/others</td>
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<td>58</td>
<td>10 mill</td>
<td>25 mill</td>
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Horizon 2020

- Link: https://ec.europa.eu/programmes/horizon2020/
Searching for call (research call)

1. Click Funding Opportunities (Tab)
2. Click H2020 (on the most left box)
3. Click Advanced search for topics (blue color text)
4. Type Education on the search box
**TOPIC: Technologies for Learning and Skills**

**Topic identifier:** ICT-22-2016

**Publication date:** 14 October 2015

**Types of action:** IA Innovation action, RIA Research and Innovation action

**Opening date:** 20 October 2015

**Deadline:** 12 April 2016 17:00:00

**Time Zone:** (Brussels time)

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**Topic Description**

**Specific Challenge:**

Learning today takes place in a context of new interactions between formal and informal learning, the changing role of teachers, the impact of social media, and the students’ active participation in the design of learning activities. While there is strong demand for (user-driven) innovation in digital learning, the current environment limits development to silo products, creates barriers to technological and market innovation and cross border adoption of new learning technologies. The challenge is to create an innovation ecosystem that will facilitate open, more effective and efficient co-design, co-creation, and use of digital content, tools and services for personalised learning and teaching. It requires co-creation and co-evolution of knowledge and partnerships between business actors and research players, communities of users, educational and training organisations to develop the appropriate components and services and leading edge learning technologies, which in turn will empower teachers and learners and facilitate (social) innovation in education and training.

**Scope:**

**a. Innovation Action**

Develop and test open, interoperable components for a flexible, scalable and cost-effective cloud-based digital learning infrastructure to deliver user-driven innovation in technological solutions and educational services for primary and secondary education for personalised, collaborative or experimental learning and skills validation. The infrastructure shall enable stakeholders to create, manage and deliver more efficient processes, content, services, applications and contextual data across a wide variety of education and training systems. It should enable stakeholders to discover,
Proposal template

The EU Framework Programme for Research and Innovation

HORIZON 2020

2016-2017
Research and Innovation Actions (RIA)
Innovation Actions (IA)

Administrative forms (Part A)
Research proposal (Part B)

Version 2.0
13 October 2015

Disclaimer:
This document is aimed at informing potential applicants for Horizon 2020 funding. It serves only as an example. The actual forms and templates provided in the online proposal submission system under the Participant Portal might differ from this example. Proposals must be prepared and submitted via the online proposal submission system under the Participant Portal.
Self-evaluation form

Form 1: Research and innovation actions
Innovation actions

Form 2: Coordination & support actions

Version 1.2
10 March 2014
CONSORTIUM PARTNERS

Academic partners:
- Ruhr University Bochum, GERMANY
- University College London, UNITED KINGDOM
- J. Heyrovsky Institute of Physical Chemistry, CZECH REPUBLIC
- Universiti Teknologi Malaysia, MALAYSIA
- Jagiellonian University Kraków, POLAND
- University of Helsinki, FINLAND
- Hanoi University of Agriculture, VIETNAM

Industrial partners:
- Advanced Materials – JTJ a.s.c, CZECH REPUBLIC
- Picosun Oy, FINLAND
- Q&A Ha Noi Ltd., VIETNAM

4G-PHOTOCAT OVERVIEW

4G-PHOTOCAT combines the expertise of 7 academic and 3 industrial partners from 5 EU countries and 2 Southeast Asian countries for the development of a novel generation of low-cost, nano-engineered photocatalysts for sunlight-driven water purification in paintable photo-reactors.

4G-PHOTOCAT is a collaborative research project for Specific International Cooperation Actions (SICA) to promote the participation of emerging economies and developing countries from the Southeast Asian region.

- Type: European Union Research Project
- Funding: 7th Framework Programme (FP7)
- Total EC contribution: 3.7 million Euro
- Collaboration: 10 international partners
- Website: www.4g-photocat.eu

EU Partners
1. Ruhr University Bochum
2. University College London
3. J. Heyrovsky Institute of Physical Chemistry
4. Universiti Teknologi Malaysia
5. Jagiellonian University Kraków
6. University of Helsinki
7. Hanoi University of Agriculture

ASIAH Partners
2. RUB Germany

4G-PHOTOCAT Project Coordinator

Prof. Dr. Radim Beranek
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Faculty of Chemistry and Biochemistry
Photoactive Materials Group
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Phone: +49 (0)234 32-28431; Fax: +49 (0)234 32-14174
E-mail: radim.beranek@rub.de
www.4g-photocat.eu
A first-of-its-kind survey of 69 science academies across the world found that women make up only 12% of their membership on average. The new report was released by IAP and ASSAF, with input from OWSD.

• Link:

http://twas.org/opportunities/research-grants
TWAS-COMSTEC Joint Research Grants

Under this scheme grants are awarded to promising high-level research projects in earth sciences, engineering sciences, information technology and computer sciences, materials science including nanotechnology, pharmaceutical sciences and renewable energy carried out by young individual scientists in OIC countries.

<table>
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<tr>
<th>Deadline</th>
<th>Partner Organizations</th>
<th>Country where tenable</th>
<th>Field</th>
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<tbody>
<tr>
<td>31 May 2016</td>
<td>-</td>
<td>OIC countries</td>
<td>Earth sciences, engineering sciences, information technology and computer sciences, materials science including nanotechnology, pharmaceutical sciences and renewable energy</td>
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<tr>
<td></td>
<td>-</td>
<td>Minimum degree held</td>
<td>PhD</td>
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<td></td>
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<td>Age limit</td>
<td>40</td>
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</table>
TWAS-COMSTECH Joint Research Grants

are intended for young scientists in countries belonging to the Organization of Islamic Cooperation (OIC) to enable them to purchase the research facilities they need to enhance their productivity. The programme aims at encouraging the pursuit of scientific excellence in OIC countries by identifying and supporting the best young scientists there; reinforcing and promoting scientific research and strengthening the endogenous capacity in science and technology; and counteracting the brain drain and reducing the exodus of scientific talent from the OIC countries.
• The OIC Standing Committee on Scientific and Technological Cooperation (COMSTECH)-TWAS Joint Research Grants Programme complements the TWAS Research Grants Programme in Basic Sciences for individual young scientists and for research units, and the Research Grants Programme of the International Foundation for Science (IFS).

• COMSTECH-TWAS Joint Research Grants are awarded to high-level and promising research projects carried out by young individual scientists in OIC countries.

• A Research Grant amounts to a maximum of USD15,000.

• A grant is normally provided for a period of 18 months and is renewable once.

• A grant may be used to purchase scientific equipment, consumables and specialized literature (textbooks and proceedings only). The grant does not cover salaries of researchers and/or students, field expenses, travel expenses and/or participation in international conferences.
Subject Areas
The programme provides support for research projects in the following fields of science and technology: earth sciences, engineering sciences, information technology and computer sciences, materials science including nanotechnology, pharmaceutical sciences and renewable energy.

Eligibility of Applicants
Individual applicants must be nationals of OIC member states, with a PhD and some research experience, but at the beginning of their careers. They should hold positions at universities or research institutions in one of the OIC countries. As a general rule, the grants are awarded to competent scientists under the age of 40 years. Scientists who submit a satisfactory final report on a previous grant may apply for a renewal.
How to apply
TWAS Research Grant applications can ONLY be submitted online now by clicking on the “Apply Now” tab at the bottom of this page. 
Please note that a researcher may only submit one application at a time and for only one kind of grant (as an **individual applicant**, as a **research unit**, as a **research consortium** or COMSTEC).
For any queries please contact: Ms. P. Patel TWAS, ICTP Campus, Strada Costiera 11, 34151 Trieste, Italy, e-mail: researchgrants@twas.org.

When to apply
The deadline for receiving applications is **31 May** each year. However, we strongly recommend that you do not wait until the deadline but submit your application as early as you can to enable us to process your application as quickly as possible.
• Link:
https://erc.europa.eu/funding-and-grants/funding-schemes
Starting Grants

If, as a young scientist, you're interested in making the transition from working under a supervisor to becoming and independent investigator, the ERC is here to help. ERC Starting Grants are designed to encourage young talented research leader to gain independence in Europe and to build their own careers. The scheme targets promising researchers who have the proven potential of becoming independent research leaders.
• **Eligibility:** researchers of any nationality with 2-7 years of experience since completion of PhD (plus 18 months for each child), a scientific track record showing great promise and an excellent research proposal

• **Location:** research must be conducted in a public or private research organisation (known as a Host Institution/HI). It could be the HI where the applicant already works, or any other HI located in one of the EU Member States or Associated Countries

• **Funding per grant:** up to € 1.5 million

• **Duration:** up to 5 years

• **Sole evaluation criterion:** scientific excellence of researcher and research proposal

• **Calls for proposals:** published once a year
Consolidators Grants

If, as a young principal investigator, you need support to consolidate your independence, the ERC is here to help. ERC Consolidator Grants are designed to back up researchers who want to establish their research teams and continue developing a successful career in Europe. The scheme also strengthens independent and excellent new individual research teams that have been recently created.
• **Eligibility:** researchers of any nationality with 7-12 years of experience since completion of PhD (plus 18 months for each child), a scientific track record showing scientific talent and an excellent research proposal

• **Location:** research must be conducted in a public or private research organisation (known as a Host Institution/HI). It could be the HI where the applicant already works, or any other HI located in one of the EU **Member States or Associated Countries**

• **Funding per grant:** up to € 2 million

• **Duration:** up to 5 years

• **Sole evaluation criterion:** scientific excellence of researcher and research proposal

• **Calls for proposals:** published once a year
Advanced Grants

If, as an established leading principal investigator, you are interested in the opportunity for long-term funding, the ERC is here to help. ERC Advanced Grants are designed to allow outstanding research leaders of any nationality and any age to pursue ground-breaking, high-risk projects in Europe. The scheme targets researchers who have already established themselves as top independent research leaders.
- **Eligibility**: any nationality, any age. Applicants must be leaders in their respective field(s) of research and must demonstrate significant achievement in the last 10 years.

- **Location**: research must be conducted in a public or private research organisation (known as a Host Institution/HI). It could be the HI where the applicant already works, or any other HI located in one of the EU Member States or Associated Countries.

- **Funding**: up to €2.5 million per grant.

- **Duration**: up to 5 years.

- **Sole evaluation criterion**: scientific excellence of researcher and research proposal.

- **Calls for proposals**: published once a year.