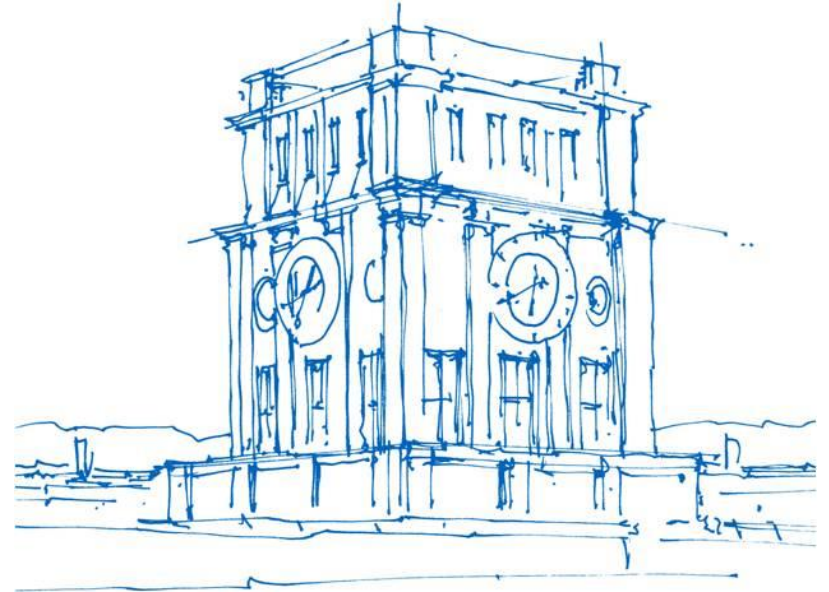# Funding opportunities for Imperial-TUM projects

Technische Universität München

TUM ForTe - Office for Research and Innovation

UK in Horizon Europe

Transition phase with **guarantee** covered by UK government
(at least for calls closing in 2022)

"The EU is still in the process of formalising the UK's association, but UK-based applicants can begin applying straight away. You do not need to wait for the EU to formalise association."
UK Research and Innovation

Our position:
TUM as coordinator and Imperial/UK 'beneficiary' with an assigned budget → please contact us!

Horizon Europe (europa.eu)
UK Participation in Horizon Europe

1) Horizon Europe Pillar II

EC Funding & Tenders Portal

+10 Partners

Cluster 4: Digital, Industry and Space
Cluster 5: Climate, Energy and Mobility
Cluster 6: Food, Bioeconomy, Natural
Resources, Agriculture and Environment

Examples expected „Cluster 5" in 2023 (around € 5 M)

- March 2023*: Development of novel long-term electricity storage technologies (HORIZON-CL5-2023-D3-01-13)

- September 2023*: New Approaches to Develop Enhanced Safety Materials for Gen 3 Li-Ion Batteries for Mobility Applications (Batt4EU Partnership) (HORIZON-CL5-2023-D2-02-02)

- September 2023*: Development of microalgae and/or direct solar fuel production and purification technologies for advanced aviation and /or shipping fuels (HORIZON-CL5-2023-D3-02-08)

- April 2023*: Accelerating climate neutral hydrogen-powered/electrified aviation (HORIZON-CL5-2023-D5-01-08)

- September 2023*: Critical technologies to improve the lifetime, efficient decommissioning and increase the circularity of offshore and onshore wind energy systems (HORIZON-CL5-2023-D3-02-15)

* Disclaimer: calls not officially announced!
** Disclaimer: on the assumption that UK guarantee will be extended

The draft versions of the **2023-2024 Work Programmes** (WP) of most of the Horizon Europe programmes have been published by Science Business. They are still subjected to changes and will officially be announced in December. Please contact us for further information.

2) EIC Pathfinder

Radically new technology, with potential to create new markets and/or to address global challenges
Early-stage (TRL1-4) breakthrough technology

Grants of up to € 3 to 4 million   for a period of 3-4 years

- **Pathfinder Open** (March 2023*) (at least 3 partners)

  +5

- **Pathfinder Challenges** (fall 2023*) (also single or small consortia of 2)

  +3

  - Clean and efficient cooling *
  - Novel technologies for sustainable and inclusive built environment *
  - Responsible Electronics *
  - In-space solar power harvesting and novel propulsion approaches *
  - Precision Nutrition *

  https://eic.ec.europa.eu/eic-funding-opportunities/eic-pathfinder_en

Disclaimer: calls not officially announced
**Disclaimer: on the assumption that UK guarantee will be extended*

3) ERC Synergy

Research problem so ambitious, that can not be dealt with you and your team alone
Scientific excellence + outstanding intrinsic synergetic effect

€ 10 million (up to € 14 million)   for a period of 6 years

2-4 PIs of which up to **1 PI outside EU** (within the BUDGET!)

expected autumn 2023

https://erc.europa.eu/apply-grant/synergy-grant

2-3

TUM Seed Fund

TUM Coordination EU call: €25.000 (Pillar II + Pathfinder)
ERC Synergy: €15.000
https://www.forte.tum.de/forte/iff/seed-fund/

BayIntAn (BayFor)

€10.000 Travel expenses

https://www.bayfor.org/en/about-us/mission/initial-funding-programme-bayintan.html

Research Funding in Germany

- **Government and Foreign donors** (above all, the European Union)

- **Non-profit private institutions** (e.g. foundations)

- **Industry**

Links: [DAAD](#), [Alexander von Humboldt Foundation](#), [VolkswagenStiftung](#)

Funding Organizations – The Big Four

Deutsche Forschungsgemeinschaft | German Research Foundation **self-governing** organization for science and research

- large majority of its **funds from the federal government and the states**
- serves **all branches** of science and the humanities
- fosters **basic research** (bottom-up strategy)
- Funding programs: Individidual Grants, Coordinated Programs, Excellence Initiative, Research Infrastructure, Scientific Prizes, International Programmes
- There are collaboration from DFG with UK funding organizations:
  [UK Research and Innovation (UKRI)](#), [Arts and Humanities Research Council (AHRC)](#)

DFG Coordinated Programmes

Transregio Collaborative Research Centers / TRR (s. [Link](#))

- Goal: realizing a large-scale long-term cutting-edge fundamental research program (up to 3 funding periods 4 years each = 12 years)
- Eligibility: a consortium of ca. 15-30 PIs with at least a completed doctorate; spokesperson a full professor
- Funding for: positions for doctoral students and postdocs, direct project costs, workshops, travel expenses, infrastructure, equipment, coordination, diversity, data management, public outreach, etc.

International Research Training Groups / IRTG (s. [Link](#))

- Goal: a large-scale research program complemented with an extensive qualification program for doctoral candidates (up to 4 years for a PhD, 2 funding periods of total 9 years (5+4 years)
- Eligibility: a consortium of typically 10 PIs with at least a completed doctorate; spokesperson typically a full professor
- Funding for: doctoral candidate positions and postdocs (must be justified), direct project costs, workshops, travel expenses, small-scale equipment, qualification program, coordination, diversity, etc.

DFG Individual Funding

Initiation of International Collaboration (s. Link)

- Goal: establishing collaborative relationships between international partners (duration 12 months)
- Eligibility: typically a completed doctorate
- Funding for: workshops, research stays abroad and in Germany (up to 3 months)

Scientific Networks (s. Link)

- Goal: establishing national and international networks (10-20 researchers) by/for early career researchers in interdisciplinary and strategically important areas of research (duration 3 years)
- Eligibility: spokesperson(s) with a completed doctorate
- Funding for: travel expenses (meetings are in Germany), coordination costs, publication costs

Individual Grants (s. Link)

- Goal: conducting an individual research project with a well-defined topic (typically 3 years)
- Eligibility: a completed doctorate; position at a German university or a German university as a host
- Funding for: own position or a doctoral student position, direct project costs, workshops, travel expenses, small-scale equipment

DFG - UK-German Funding Initiative in the Humanities

UK-German collaborative research projects (s. [Link](#))

Target group: This funding opportunity provides the opportunity **for UK-based arts and humanities researchers to conduct highly integrated projects with Germany-based partners**, adding value to research objectives through international collaboration.

Objectives: Proposals may be submitted in **any area of the Humanities**. The primary aim should be **to make fundamental advances in human knowledge in the relevant fields**. Projects must have well-defined joint working programmes, **clearly demonstrating the added value of UK-German collaboration**.

Funding: Funding for min of 24 and max. of 36 months.

Requirements: Doctorate less than 4 years ago, family leave will be considered; min. 2 years postdoctoral experience; research experience abroad; documented scientific excellence; prepared to continue scientific career in Germany after the support

Deadline: **Wednesday, February 15th 2023 at 23:59 hrs (German time)**

Contact us!

Dr. Astrid De Clercq
International Research Support
declercq@zv.tum.de

Dr. Sarah Förster
National Research Support
foerster@zv.tum.de

www.forte.tum.de