FAU Information Event ERC Starting Grant

26 June 2018
ERC funding schemes

Starting Grant
PIs 2-7 years from PhD

Consolidator Grant
PIs 7-12 years from PhD

Advanced Grant
10 year track record

Synergy Grant
Team of 2-4 PIs

Proof of Concept
For ERC grant holders only
ERC in a nutshell

- Investigator-driven frontier research
- Across all research areas (bottom-up)
- No restrictions on age or nationality of the principal investigator (PI)
ERC in a nutshell

• Scientific excellence of principal investigator and project is sole evaluation criterion:

  „expected to lead to advances at the frontier of knowledge“

  „set a clear inspirational target for (future) frontier research in Europe“

  „ground-breaking nature, creativity and commitment of the researcher“
Funding level

- Individual researcher (PI) + project
- Funding: 100 % + 25 %

Direct costs (100 %): Personnel, travel, consumables, equipment (depreciation!), publications (incl. open access)

Indirect costs (25 %): Overhead on eligible direct costs
## ERC Starting Grant in a nutshell

<table>
<thead>
<tr>
<th>Researcher</th>
<th>Excellent PIs just starting their independent research programme and/or team</th>
</tr>
</thead>
<tbody>
<tr>
<td>Eligibility</td>
<td>PhD &gt; 2 and 7 years prior to 1 Jan 2019</td>
</tr>
<tr>
<td>Funding level</td>
<td>1.5 million EUR max. for 5 years max. (+ 0.5 million EUR e.g. for major equipment)</td>
</tr>
<tr>
<td>Host institution</td>
<td>EU member state (MS) or H2020 associated country (AC)</td>
</tr>
<tr>
<td>Time commitment</td>
<td>≥ 50 % (≥ 50 % in EU)</td>
</tr>
<tr>
<td>Submission/evaluation</td>
<td>Single-stage submission / two-step evaluation (incl. interview)</td>
</tr>
<tr>
<td>Call Opening</td>
<td>18 July 2018, 17:00 (Brussels time)</td>
</tr>
</tbody>
</table>
# ERC Starting Grant Success rates 2013-2017

<table>
<thead>
<tr>
<th>Call</th>
<th>2013</th>
<th>2014</th>
<th>2015</th>
<th>2016</th>
<th>2017</th>
</tr>
</thead>
<tbody>
<tr>
<td>Starting Grants</td>
<td>9 %</td>
<td>11.5 %</td>
<td>12 %</td>
<td>11 %</td>
<td>13 %</td>
</tr>
</tbody>
</table>
Eligibility

- First PhD > 2 and 7 years prior to 1 Jan 2019
  → PhD awarded from 1 Jan 2012 to 31 Dec 2016

Extended eligibility:
- Parental leave (mothers: 18 months per child; fathers need verification of parental leave)
- Attested long-term illness (> 90 days; after doctorate)
- Clinical training (after doctorate)
- Military service (after doctorate)

Dr. med. / MD (currently under review):
- PhD / doctoral degree or postdoc position / professorship
- Research experience
- Extended eligibility 4-9 years
Resubmission restrictions for 2019
(to be confirmed in call)

- Score in 2018 Starting Grant
  - B in step 1: not allowed to submit a proposal in 2019
  - C in step 1: not allowed to submit a proposal in 2019
Proposal
Proposal structure

Part A

Administrative Forms/Proposal Submission Forms

1 - General Information
2 - Participants & Contacts
3 - Budget
4 - Ethics
5 - Call-specific questions

Part B

B1
Extended synopsis
CV
Track record

B2
Scientific proposal

Annexes

• Host Support Letter (Host Institution Binding Statement of Support)
• PhD Certificate
• Additional documents, if applicable (e.g. Paternal leave, clinical training)
• Ethics Self-Assessment, if applicable
Part B

24 pages max.

B1
- Extended synopsis: 5 p.
- CV: 2 p.
- Track record: 2 p.

B2

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Part B1: Extended synopsis

- Concise presentation of scientific project
- Particular attention to the ground-breaking nature of the research
  - new, emerging fields
  - interdisciplinary projects crossing boundaries between research field
- Demonstration of the feasibility of the scientific approach
- Short description of work-plan, team and resources
General tips for the extended synopsis

• Highlight impact
• Consider the audience: Panel members might not be experts in your research area
• Include research environment at host institution and potential collaborations
• Describe risk management and feasibility (appropriate methodology, timescales and resources)
• Include ethics, if applicable
Part B1: CV

- Standard academic and research CV
- Explanation of research career gaps and/or unconventional paths
- Funding ID has to match 50% time commitment to the project (plus 50% in MS or AC)
- Keep your website up to date
Part B1: Track record

- Evident potential for research independence
- At least one publication as main author or without PhD supervisor
- International experience and international research cooperations
- Invited presentations
- Third-party funding
- Prizes, awards
- Granted patent(s)
General tips for the track record

• Show promising track record of early achievements appropriate to your research field and career stage
• Highlight what makes you stand out
• Stress your ability to conduct ground-breaking research and creative independent thinking
• Show achievements beyond the state-of-the-art
Part B2

Evaluation in step 2

B1

B2: Scientific proposal

- State-of-the-art + objectives
  - Ground-breaking nature
  - Potential impact
- Research methodology
  - High-risk/high gain
  - Feasibility
- Resources
  - Timescale/appropriate use of budget
General tips for part B2

- Explain how the research will open new horizons or opportunities ("beyond the state-of-the-art", "ground-breaking nature")
- Describe the impact
- Provide a clear, concise work-plan, giving details of the intermediate/final goals
- Explain how you will manage and disseminate your project
- Outline balance of high risk – high gain (risk management)
- Justify the resources (esp. if requesting top-up funding)
Evaluation
Two-step evaluation

Evaluation in step 1
- B1: Extended synopsis
- CV
- Track record

Evaluation in step 2
- B1
- B2: Scientific proposal
Evaluation – Peer Review

• Peer-Review: 25 scientific panels comprised by a chair and ca. 15 members

• Three domains:
  ➢ Physical Sciences & Engineering (PE): 10 panels
  ➢ Life Sciences (LS): 9 panels
  ➢ Social Sciences & Humanities (SH): 6 panels

• PI chooses panel at proposal stage
Evaluation process

Step 1

- Submission of full proposals
- Eligibility check
- Step 1 (remote) evaluation of proposal by panel members
- 1st Panel meeting
- Proposals passing to step 2

Step 2

- Individual assessment of full proposals by panel members & referees
- 2nd Panel meeting INTERVIEWS of applicants
- Panel chairs’ meeting Consolidation of 3 main domains rank lists
- Proposals selected for funding

Source: ERC
Scoring scheme

- Reviewer marks from 1 to 4
  - Non-competitive (1), very good (2), excellent (3), outstanding (4)

- Proposal receives score from A to C
  - A: Fully meets the ERC excellence criteria and is recommended for funding if sufficient funds are available.
  - B: Meets some but not all of the ERC’s excellence criteria and will not be funded.
  - C: Is not of sufficient quality to pass to Step 2 of the evaluation.
Timeline

Proposal

Submission (Deadline)

Evaluation ~ 90 days

Result step 1 Interview

Evaluation ~ 110 days

Result step 2

Grant preparation ~ 100 days

Signature GA

~ 10 months

Deadline StG 2019: 17 Oct 2018, 17:00 (Brussels time)
(to be confirmed in call)

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Further information
Open Access in ERC

- Open Access is **obligatory** to all peer-reviewed scientific publications relating to project results
- Further information
  - [ERC: Open Access](#)
  - [KoWi Factsheet: Open Access in Horizon 2020](#) (PDF)

Open Data in ERC

- Open Research Data Pilot: By default all projects take part
- „Opt-out“ possible at any stage
- If „opt-in“: data management plan at month 6
Important documents

- ERC Work Programme
- ERC Rules for Submission and Evaluation
- Information for Applicants
- Research Proposal Template

ec.europa.eu/research/participants/portal/desktop/en/home.html
Funded projects and PIs: ERC website

FILTER BY FUNDING SCHEME:
- Starting Grant (StG) (3410)
- Advanced Grant (AdG) (2180)
- Consolidator Grant (CoG) (1170)
- Proof of Concept (PoC) (549)
- Synergy Grants (SyG) (24)

FILTER BY CALL YEAR:
- 2007 (305)
- 2008 (284)
- 2009 (492)
- 2010 (707)
- 2011 (838)
- 2012 (957)
- 2013 (985)
- 2014 (1068)
- 2015 (1089)
- 2016 (630)
Funded projects and PIs: ERC website

FILTER BY FUNDING SCHEME:
- Starting Grant (StG) (19)
- Consolidator Grant (CoG) (7)
- Proof of Concept (PoC) (3)
- Advanced Grant (AdG) (0)
- Synergy Grants (SyG) (0)

FILTER BY CALL YEAR:
- 2007 (10)
- 2009 (14)
- 2010 (14)
- 2011 (20)
- 2012 (23)
- 2013 (16)
- 2014 (12)
- 2015 (11)
- 2016 (19)

FILTER BY COUNTRY:
- Austria (11)
- Belgium (19)

ERC FUNDED PROJECTS

Displaying 1 - 10 of 19. Show 10 results per page.

<table>
<thead>
<tr>
<th>Project acronym</th>
<th>ALUFIX</th>
</tr>
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<tbody>
<tr>
<td>Project</td>
<td>Friction stir processing based local damage mitigation and healing in aluminium alloys</td>
</tr>
<tr>
<td>Host Institution (HI)</td>
<td>UNIVERSITE CATHOLIQUE DE LOUVAIN</td>
</tr>
<tr>
<td>Call Details</td>
<td>Starting Grant (StG), STG, ERC-2016-STG</td>
</tr>
</tbody>
</table>

Summary

ALUFIX proposes an original strategy for the development of aluminium-based materials involving damage mitigation and extrinsic self-healing concepts exploiting the new opportunities of the solid-state friction stir process. Friction stir processing locally extrudes and drags material from the front to the back and around the tool pin. It

https://erc.europa.eu/projects-figures/erc-funded-projects
Support at FAU

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E-Mail: franziska.mueller@fau.de
Support at FAU

• Before starting your proposal, please send **CV** (incl. publications and third-party funding) and **abstract** to Prof. Leugering (Vice President Research) by **22 Aug 2018**

• Please send your full proposal by **26 Sept 2018** to Dr. Eber and Dr. Kinzler/Ms. Müller

• We offer proofreading of the proposal, support for calculating the budget, advice on all aspects of the proposal

• **Host Support Letter**
  - Needs to be signed by President FAU or Director UKER
  - Please send proposal title and acronym to Dr. Eber by **26 Sept 2018**
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Prof. Dr. Sabine Maier
Starting Grant 2014

Prof. Dr. Aldo Boccaccini
Panel member Consolidator Grant 2017