



ERC - European Research Council

Supporting top researchers from anywhere in the world

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ERC National Contact Points

ERC Programme Committee Members

26 Temmuz 2022

The Scientific and Technological Research Council of Turkey
TÜBİTAK

Content



- ERC, WP, Calls and Rules
- Application forms
- Evaluation Process
- Other issues
- TÜBİTAK supports
- Suggestions





ERC Work Programme Calls Rules

Horizon Europe (2021-2028)





Horizon Europe

Total budget: € 95.5 Billion

The ERC represents 17% of the overall Horizon **Europe budget,** i.e € 16 billion



European Research Council

Marie Skłodowska-Curie Actions

Research Infrastructures



Pillar 2 **GLOBAL CHALLENGES & EUROPEAN INDUSTRIAL** COMPETITIVENESS

- · Health
- · Culture, Creativity and Inclusive Society
- · Civil Security for Society
- Digital, Industry and Space
- · Climate, Energy and Mobility
- · Food, Bioeconomy, Natural Resources, Agriculture and Environment

Joint Research Centre



Pillar 3 **INNOVATIVE EUROPE**

European Innovation Council

European innovation ecosystems

European Institute of Innovation and Technology

WIDENING PARTICIPATION AND STRENGTHENING THE EUROPEAN RESEARCH AREA

Widening participation and spreading excellence

Reforming and Enhancing the European R&I system

Objectives and Principles





European Research Council

The ERC, set up by the European Union in 2007 and marking its 15th anniversary this year, is the premier European funding organisation for excellent frontier research.

The ERC's mission is to encourage the highest quality research in Europe through competitive funding and to support investigator-driven **frontier research** across all fields, on the basis of **scientific excellence**.

It funds creative researchers of any nationality and age, to run projects based across Europe.

The ERC is led by an independent governing body, the Scientific Council.

Objectives and Principles of ERC



anywhere in the world

any field of research

High risk / High gain

Portable

best settings to foster creativity

(Money follows researcher)

Scientific Excellence

One Principle Investigator

(except SyG)

One Host Institution

Attractive, flexible, long term funding

(except SyG)

A success story for 15 years







10,000 top researchers



75,000 team members employed in ERC Grants



>12,000 projects



850 host institutions



200,000 articles published. Over 6,100 articles are among the top 1% highly cited.



85 nationalities



2,200 patents and other IPR applications



ERC Grantees have won **9** Nobel
Prizes, , **4** Fields Medals, **11** Wolf
Prizes



400 start-up companies funded/cofunded by ERC Grantees



More than **%70-80** of projects made scientific breakthrough or major advances

Why would I apply to the ERC?



ERC offers you

- the possibility to work on a research topic of own choice, with a team of own choice
- true financial autonomy for 5 years.
- the means to negotiate with the host institution for the best conditions.
- The ability to attract best team members, best collaborations as a quality label.

ERC Grants



Starting Grant

2-7 years after PhD

up to €1.5 Million for 5 years

+ up to € 1 Million³

Consolidator Grant

7-12 years after PhD

up to € 2 Million for 5 years

+ up to € 1 Million*

Advanced Grant

10 years track record

up to € 2.5 Million for 5 years

+ up to € 1 Million*

Synergy Grant

2 - 4 Pls at any career stage

up to € 10 Million for 6 years

+ up to € 4 Million*

Proof of Concept

bridging gap between research - earliest stage of marketable innovation up to €150,000 for up to 18 months for ERC grant holders

2023 ERC Calls



	Starting Grant	Consolidator Grant	Advanced Grant	Synergy Grant		
Call identifier	ERC-2023-StG	ERC-2023-CoG	ERC-2023-AdG	ERC-2023-SyG		
Call opens	12/07/2022	28/09/2022	08/12/2022	13/07/2022		
Call deadline	25/10/2022	02/02/2023	23/05/2023	08/11/2022		
Budget million EUR (estimated number of grants)	628 (407)	595 (300)	597 (246)	300 (30)		

Total Budget of the Calls: 2.2 Billion €

Total number of projects to be funded:
1183

Important Documents









Others:

- Guide for peer reviewers
- How to Complete your **Ethics Self-Assessment**
- ERC Rules of Submission
- Model Grant Agreement

Calculation of Eligibility Window for 2023 calls





Update on 2023 Calls

Prospective applicants to the 2023 Starting and Consolidator Grant Calls should note that the ERC is aiming to change the PhD reference date for the calculation of the eligibility period from the date of the actual award according to the national rules of the country where the degree was awarded to the <u>date of the successful PhD defence</u>.



	Starting Grant	Consolidator Grant	Advanced or Synergy Grant
Special Eligibility Criteria	First successful PhD defence date >2 and ≤ 7 years Prior to 1 Jan 2023 For ERC-2023-StG call From 1 January 2016 to 31 st December 2020 (inclusive)	First successful PhD defence date >7 and ≤ 12 years Prior to 1 Jan 2023 For ERC-2023-CoG call From 1 January 2011 to 31st December 2015 (inclusive)	

Extension of the Eligibility Window





Properly documented circumstances:

Maternity: (18 months extension for each child born before or after the date of the successful defence of their PhD degree. If the applicant can document a longer total maternity leave, the eligibility period will be extended by the documented amount of actual leave(s) for all children taken before the call deadline. Adoption is)

Paternity (documented time of leave taken before the call deadline for each child born before or after PhD)

Long term illness (Over 90 days for the Principal Investigator or a close family member (child, spouse, parent or sibling). After the PhD degree)

National service after PhD degree

Clinical training (after PhD degree and up to 4 years)

NEW Natural disaster (after PhD degree, Large-scale geological or meteorological events that have the potential to cause the loss of life or property, up to 30 days)

Seeking Asylum: (after PhD degree)

Minimum Time Commitment of Pl





Minimum percentage of the working time of a Principal Investigator that must be spent	Starting Grant	Consolidator Grant	Advanced Grant	Synergy Grant		
On the ERC project	50%	40%	30%	30% for each Principal Investigator		
In a Member State or Associated Country ⁴⁴	50%	50%	50%	50% for each Principal Investigator engaged and hosted by an institution in the EU or Associated Countries		

Field work outside EU&AC:

Time spent on such field work or other research activities may count as time spent in the EU or the Associated Countries for the purpose of the Principal Investigator's time commitment.

Applicable for the whole duration of the project

ERC Evaluation Criteria



Evaluation of scientific excellence at two levels:

- Quality of the Research Project
 - Ground-breaking nature
 - Potential impact
 - Scientific Approach
- Quality of the Principal Investigator
 - Intellectual capacity
 - Creativity
 - Commitment





Application Forms

Application Forms





Part B1 (submitted as pdf)

Evaluated in Step 1 & Step 2

Text box - Cross-panel explanation

a – Extended synopsis 5 pages b – Curriculum vitae 2 pages

c – Track-record 2 pages

Appendix – Funding ID no page limit

Administrative forms (Part A)

- 1 General information
- 2 Administrative data of participating organisations
- 3 Budget- resurces section
- 4 Ethics
- 5 Call specific questions

Part B2 (submitted as pdf)

Only evaluated in Step 2

Scientific proposal 14 pages

a – State-of-the-art and objectives

b – Methodology

c - Resources => online (part A)

Annexes

HI Statement of Support

PhD Certificate (for StG and CoG)

Documentation for requests for

eligibility extensions

Documentation for ethical issues





ERC Starting Grant 2023 Research proposal [Part B1]1 (Part B1 is evaluated both in Step 1 and Step 2, Part B2 is evaluated in Step 2 only)

Proposal Full Title

PROPOSAL ACRONYM

- Name of the Principal Investigator (PI)
- Name of the PI's host institution for the project
- Proposal duration in months

Text highlighted in grey should be deleted.

Proposal summary (identical to the abstract from the online proposal submission forms, section 1).

The abstract (summary) should, at a glance, provide the reader with a clear understanding of the objectives of the research proposal and how they will be achieved. The abstract will be used as the short description of your research proposal in the evaluation process and in communications to contact in particular the potential remote referees and/or inform the Commission and/or the programme management committees and/or relevant national funding agencies. It must therefore be short and precise, and should not contain confidential information

Please use plain typed text, avoiding formulae and other special characters. The abstract must be written in English. There is a limit of 2000 characters (spaces and line breaks included).

Explain and justify the cross-panel or cross domain nature of your proposal, if a secondary panel is indicated in the online proposal submission forms. There is a limit of 1000 characters, spaces and line breaks included.

Section a: Extended Synopsis of the scientific proposal (max. 5 pages, references do not count towards the page limits)

[The Extended Synopsis should give a concise presentation of the scientific proposal, with particular attention to the ground-breaking nature of the research project, which will allow evaluation panels to assess, in Step I of the evaluation, the feasibility of the outlined scientific approach. Describe the proposed work in the context of the state of the art of the field. References to literature should also be included. Please use a reference style that is commonly used in your discipline such as American Chemical Society (ACS) style, American Medical Association (AMA) style, Modern Language Association (MLA) style, etc. and that allows the evaluators to easily retrieve each reference 1

Please respect the following formatting constraints: Times New Roman, Arial or similar, at least font size 11, margins (2.0cm side and 1.5cm top and bottom), single line spacing.

Extended Synosis: 5 pages + references

Concise presentation of the proposal with emphasis on ground-breaking nature and feasibility taking into account the current state-of-the-art

Do NOT split the sections and/or references in Part B1 and do NOT upload them as separate documents The peer reviewers will only receive one single document for evaluation at Step 1. Hence, Part B1 should ntain all elements as explained in this template and if some parts of Part B1 are uploaded as separate tachments, the peer reviewers will not have access to them.



Part B1 ACRONYM Applicant's last name

Section b: Curriculum vitae (max. 2 pages)

[Please follow the template below as much as possible. Please note that the CV part has been slightly modified compared to 2022 calls ("Supervision of Graduate Students and Postdoctoral Students" has been removed from the structured CV for Starting Grant and Consolidator Grant applicants).]

PERSONAL INFORMATION

Family name, First name:

Researcher unique identifier(s) (such as ORCID, Research ID, etc. ...):

Date of birth:

Nationality: URL for web site:

EDUCATION

200?

Name of Faculty/ Department, Name of University/ Institution, Country

Name of PhD Supervisor

199? Master

Name of Faculty/ Department, Name of University/ Institution, Country

· CURRENT POSITION(S)

201? -Current Position

Name of Faculty/ Department, Name of University/ Institution/ Country

200? -

Name of Faculty/ Department. Name of University/ Institution/ Country

PREVIOUS POSITIONS

200? - 200? Position held

Name of Faculty/ Department, Name of University/ Institution/ Country 200? - 200?Position held

Name of Faculty/ Department, Name of University/ Institution/ Country

FELLOWSHIPS AND AWARDS

Scholarship, Name of Faculty/ Department/Centre, Name of University/ Institution/

Award, Name of Institution/Country

1997 - 1997 Scholarship, Name of Faculty/ Department/Centre, Name of University/ Institution/

Country

TEACHING ACTIVITIES (if applicable)

Teaching position - Topic, Name of University/Institution/Country 200? - 200? Teaching position - Topic, Name of University/ Institution/ Country

· ORGANISATION OF SCIENTIFIC MEETINGS (if applicable)

201? Please specify your role and the name of event / Country 2007 Please specify type of event / number of participants / Country Applicant's last name

Part B1

ACRONYM

INSTITUTIONAL RESPONSIBILITIES (if applicable)

Faculty member, Name of University/ Institution/ Country Graduate Student Advisor, Name of University/ Institution/ Country Member of the Faculty Committee, Name of University/ Institution/ Country Organizer of the Internal Seminar, Name of University/ Institution/ Country Member of a Committee: role. Name of University/ Institution/ Country

• REVIEWING ACTIVITIES (if applicable)

Scientific Advisory Board, Name of University/ Institution/ Country Review Board, Name of University/ Institution/ Country

2017 -Review panel member. Name of University/ Institution/ Country 201? -Editorial Board, Name of University/ Institution/ Country

2002 -Scientific Advisory Board, Name of University/ Institution/ Country 200? -

Reviewer, Name of University/ Institution/ Country 200? -Scientific Evaluation, Name of University/ Institution/ Country

200? -Evaluator, Name of University/ Institution/ Country

MEMBERSHIPS OF SCIENTIFIC SOCIETIES (if applicable)

Member, Research Network "Name of Research Network"

200? -Associated Member, Name of Faculty/ Department/Centre, Name of University/

Institution/ Country

2002 -Founding Member, Name of Faculty/ Department/Centre, Name of University/ Institution/ Country

• MAJOR COLLABORATIONS (if applicable)

Name of collaborators, Topic, Name of Faculty/ Department/Centre, Name of University/ Institution/ Country

CAREER BREAKS (if applicable)

Please indicate the reason and the duration in months.

• COVID-19 IMPACT TO SCIENTIFIC PRODUCTIVITY (if applicable)

Please specify which of the following situations apply to you:

- ☐ Increased caring responsibility for dependent person, including home schooling of children;
- □ No access to laboratory facilities, archives, or other necessary facilities;
- No access to field work;
- □ Adaptation to online teaching:
- Physical and/or mental health issues;
- ☐ Other(s)

(optional)

Explain with objective facts how your productivity was affected by the COVID-19 pandemic. There is a limit of 300 characters, spaces and line breaks included.

2 pages

Please follow the template for StG, CoG or AdG

Funding ID





Applicant's last name Part B1 ACRONYM

Appendix: All current grants and on-going / submitted grant applications of the PI
(Funding ID)

Mandatory information (does not count towards page limits)

Current research grants (Please indicate "No funding" when applicable):

Project Title	Funding source	Amount (Euros)	Period	Role of the PI	Relation to current ERC proposal ²

On-going / submitted grant applications (Please indicate "None" when applicable):

Project Title	Funding source	Amount (Euros)	Period	Role of the PI	Relation to current ERC proposal ²

No page limit

Describe clearly **any scientific overlap** between your ERC application and the current research grant or on-going grant application.

Track Record



Applicant's last name

Part B1

ACRONYM

Section c: Early achievements track-record (max. 2 pages)3

[Provide a list of achievements reflecting the Principal Investigator's track record. You may include a short narrative describing the scientific importance of the research outputs and the role that the Principal Investigator played in their production.]

(see 'Information for Applicants to the Starting and Consolidator Grant 2023 Calls' for completing this section)

Do NOT split the sections and/or references in Part B1 and do NOT upload them as separate documents. The peer reviewers will only receive one single document for evaluation at Step 1. Hence, Part B1 should contain all elements as explained in this template and if some parts of Part B1 are uploaded as separate attachments, the peer reviewers will not have access to them. 2 pages

For StG:

Upto **5** selected publications

For CoG and AdG:

Upto **10** selected publications

include short narrative for each pub.

Include field relevant bibliometric indicators

No JIP (journal Impact factors)

+ other achievements

B1: Track Record for StG





Early achievements track record

- 1. Up to five publications in major international peer-reviewed multi-disciplinary scientific journals and/or in the leading international peer-reviewed journals, peer-reviewed conferences proceedings and/or monographs of their respective research fields, highlighting those as main author or without the presence as co-author of their PhD supervisor (properly referenced, field relevant bibliometric indicators (except JIF) may also be included); preprints may be included, if freely available from a preprint server (preprints should be properly referenced and either a link to the preprint or a DOI should be provided);
- 2. Research monographs and any translations thereof;
- Granted patent(s);
- 4. Invited presentations to internationally established conferences and/or international advanced schools;
- 5. Prizes, awards, academy memberships.

Benchmark: PI must have already shown the potential for research independence and evidence of maturity (for example by at least one important publication as main author or without the participation of PhD supervisor)

A short narrative describing the scientific importance of the research outputs and the role played by the Principal Investigator may be included.

B1: Track Record for CoG





Early achievements track record

- 1. Up to ten publications in major international peer-reviewed multi-disciplinary scientific journals and/or in the leading international peer-reviewed journals, peer-reviewed conferences proceedings and/or monographs of their respective research fields, highlighting those as main author or without the presence as co-author of their PhD supervisor (properly referenced, field relevant bibliometric indicators (except JIF) may also be included); preprints may be included, if freely available from a preprint server (preprints should be properly referenced and either a link to the preprint or a DOI should be provided);
- 2. Research monographs and any translations thereof;
- Granted patent(s);
- 4. Invited presentations to internationally established conferences and/or international advanced schools;
- 5. Prizes, awards, academy memberships.

Benchmark: PI must have already shown the potential for research independence and evidence of maturity (for example by several important publication as main author or without the participation of PhD supervisor)

A short narrative describing the scientific importance of the research outputs and the role played by the Principal Investigator may be included.

B1: Track Record for AdG





Ten year track record

- 1. Up to ten representative publications as main author (or in those fields where alphabetical order of authorship is the norm, joint author) in major international peer-reviewed multi-disciplinary scientific journals and/or in the leading international peer-reviewed journals and peer-reviewed conference proceedings of their respective research fields (properly referenced, field relevant bibliometric indicators may also be included (except JIF)); preprints may be included, if freely available from a preprint server (preprints should be properly referenced and either a link to the preprint or a DOI should be provided);
- 2. Research monographs and any translations thereof;
- 3. Granted patents;
- **4.** Invited presentations to internationally established conferences and/or international advanced schools;
- **5. Research expeditions** that the applicant Principal Investigator has led;
- 6. Organisation of **international conferences** in the field of the applicant (membership in the steering and/or organising committee);
- 7. Prizes, awards, academy memberships;
- 8. Major contributions to the early careers of excellent researchers;
- 9. Examples of innovation leadership.

Benchmark:

Pls must have already shown a record, which identifies them as an exceptional leader in terms of originality and significance of their research contributions. At least matching one or more of the following benchmarks:

- 10 publications as main author (or in those fields where alphabetical order of authorship is the norm, joint author) in major international peer-reviewed multidisciplinary scientific journals, and/or in the leading international peer-reviewed journals, and/or peer-reviewed conferences proceedings of their respective field;
- 3 major research monographs. This benchmark is relevant to research fields where publication of monographs is the norm.
- + other alternative benchmarks

Ten year track record **can be extended** for maternity, paternity, long term illness, national service, clinical training, natural disaster, seeking asylum.

A short narrative describing the scientific importance of the research outputs and the role played by the Principal Investigator may be included.

B1: Track Record



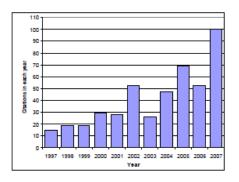


Figure 1. Citation in the last decade (Web of Knowledge)

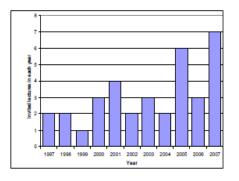


Figure 2. Invited lectures in the last decade

Type of Publication	#	# without the PhD supervisor
peer-reviewed international journals	17	12
peer-reviewed conferences proceedings	31	16
book chapters	2	2
books	2	





Applicant's last name

Part B2

ACRONYM

ERC Starting Grant 2023 Part B2¹

(not evaluated in Step 1)

Sections (a) and (b) of Part B2 should not exceed 14 pages. References do not count towards the page limits.

Text highlighted in grev should be deleted.

Please respect the following formatting constraints: Times New Roman, Arial or similar, at least font size 11, margins (2.0 cm side and 1.5 cm top and bottom), single line spacing. Do NOT split the sections and/or references and upload them as separate documents.

Section a. State-of-the-art and objectives

Objectives in the context of state-of-the-art, how and why this is important, impact, challenges

Section b. Methodology

Detailed, key intermediate goals, how SOA is your methodology, justify partners

Do NOT include any description of resources or budget table here (Part B2). The Resources section and the detailed budget table are part of the online submission form (Part A, Section 3 - Budget) which will be extracted and provided to the peer reviewers.

14 pages + references No budget table here

¹ Instructions for completing Part B2 can be found in the 'Information for Applicants to the Starting and Consolidator Grant 2023 Calls'.

Administrative Forms (Part A)



	Call:
	0
	Topic:
	Type of Action:
	0 ~ ~ ~
	Proposal number:
	Proposal acronym:
	Type of Model Grant Agreement:
	Table of contents
	×O
Section	Title Action
1	General information
2	Participants
3	Budget
4	Ethics and security
5	Other questions
	7.9.
	T
How to fill in the for	
	ns must be filled in for each proposal using the templates available in the submission system. Some data field rms are pre-filled based on the steps in the submission wizard.

Proposal ID Acronym		
1 - General	inforn	nation
		Field(s) marked " are mandatory to fi
Topic		Type of Action
Call		Type of Model Grant Agreement
Acronym		
Proposal title	The title sho specialist in	ould be no longer than 200 characters (with spaces) and should be understandable to the non- syour field.
	Note that for to	echnical reasons, the following characters are not accepted in the Proposal Title and will be removed: < > * &
Duration in months*	Estimated de	luration of the project in full months.
Primary ERC Rev	iew Panel*	
Secondary ERC F	oview Panel	Not applicable (if applicable)
ERC Keyword 1*	As first key	word please choose one which is linked to the Primary Review Panel.
Rease select, if applicab of priority.	ie, the ERC key	yword(s) that best characterise the subject of your proposal in order
ERC Keyword 2	Not applica	able
ERC Keyword 3	Not applica	able
ERC Keyword 4	Not applica	able
Free keywords		please enter free test keywords that you consider best characterise the scope of your proposal. The sywords should take into account any multi-disciplinary aspects of the proposal.
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- The electronic form is accessed via the call submission link in Funding & Tenders Portal
 - 5 sections
- Many mandatory fields
- Devote enough time

Budget for grants





Total Budget:

- Maximum amounts and durations
- pro rata temporis (for projects of shorter period)



Starting Grant: 1.5 M € for 5 years Consolidator Grant: 2 M € for 5 years Advanced Grant: 2.5 M € for 5 years Synergy Grant: 10 M € for 6 years

Budget Categories in application form

- Personnel Costs (PI, Senior Staff, students, other)
- Travel and subsistence
- Equipment
- Consumables
- Publications (incl. Open access fees) and dissemination
- Total other good, works and services



no upper limits for budget categories

Additional funding can be requested for

- Start-up costs (If PI/PIs moving to the EU or an AC from elsewhere as a consequence of receiving the ERC grant)
- Major equipment
- Access to large facilities
- Major experimental and field work costs (excluding personnel costs)

Additional funding:

- 1 M € for StG/CoG/AdG
- 4 M € for SyG
- not subject to pro rata temporis

Budget for grants





- %100 funding rate for direct costs + %25 of direct costs (overhead) ≤ max budget
 - Overhead rate is fixed
 - excluding the direct eligible costs for subcontracting and internally invoiced goods and services.
- **Depreciation costs** for purchases of equipment, infrastructure or other assets (not full costs)
- National and institutional rules apply
- The funding requested must be fully justified by estimation of real project cost
- All funding requested is assessed during evaluation by panelists
- Panels may suggest modifications(reductions) to the budget breakdown

Budget





Application forms

Proposal ID

Acronym Acronym is mandatory

3 - Budget

?

Beneficiary Short Name	PI	Senior Staff	Postdocs	Students	Other Personnel costs	A. Total personnel costs/€	B. Subcontracti ng Costs/E (No indirect costs)	C.1 Travel and subsistence	C.2 Equipment - Including major equipment	Consum- ables Incl. fieldwork and animal costs	Publications (incl. Open Access fees) and disseminatio n	direct costs	C3 Total other goods, works and services		D. Internally Involced goods and services/€ (No indirect costs)	E. Indirect Cost/€	Total Eligible Costs	Requested EU contribution /€
	0	0	0	0	0	0.00	0	0	0	0	0	0	0.00	0.00	0	0.00	0.00	0.00
Total	0	0	0	0	0	0.00	0	0	0	0		0	0.00	0.00	0	0.00	0.00	0.00

Application forms

Proposal ID

Acronym Acronym is mandatory

Section C. Resources (Maximum 8000 characters allowed)



This section and the budget table will be made available to the experts evaluating the proposal at Step 2. Important: your description of resources will be truncated once it exceeds the maximum allowed characters. Please make sure that your description is complete before submitting.

State and fully justify the amount of funding considered necessary to fulfil the objectives for the duration of the project. The project cost estimation should be as accurate as possible. The evaluation panels assess the estimated costs carefully, unjustified

will be consequently reduced. Please specify if you will use third parties giving in-kind contributions to the action.

If applicable, please specify the cost items covered by your 'Other personnel costs' category and the cost items covered by your 'Other additional direct costs' category.

Request for additional funding if applicable (All Items MUST be included in the overall budget table above): (Cost in EUR)

Justification:

I plan to allocate (one to max. two descriptive text pages) – max. 8000 characters.

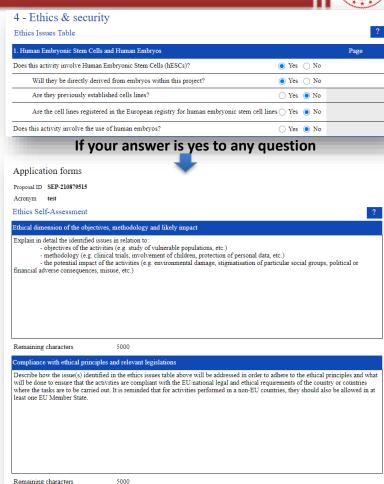
Remaining characters

701

Ethical Principles



- Comply with national, EU and international ethical principles and legislation
- Civil applications
- Headings:
 - Human embryonic stem cells and human embryos
 - Human participants
 - Human cells/tissues
 - Personal data
 - Animals
 - Non-EU countries
 - Environment, health and safety
 - Artificial Intelligence (NEW)
- Provide an ethics self-assessment and supporting documentation where needed
- See <u>"How to Complete your Ethics Self-Assessment"</u> document for guidance



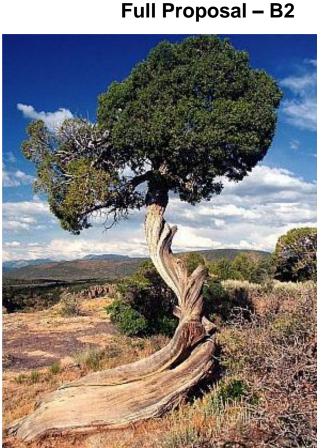
Abstract / B1 / B2



Source: ERCEA



Extended Synopsis – B1



Abstract



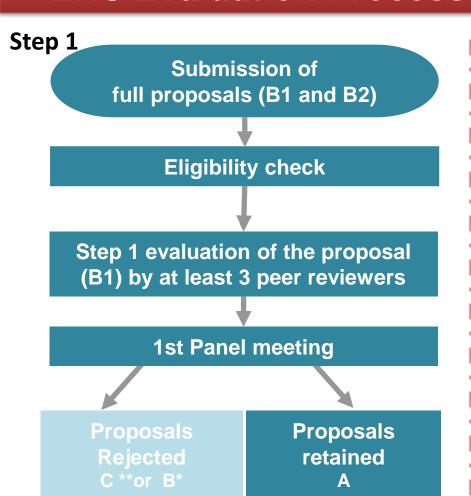




Evaluation Process

ERC Evaluation Process





Step 2 Individual assess

Individual assessment of full proposal (B1 and B2) by panel members & referees

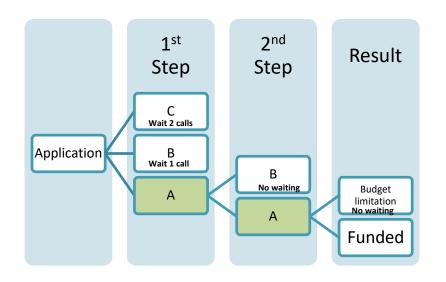
2nd Panel meeting + Interview

Proposals not selected (A, reserve list, B)

Proposals selected for funding (A)

Rules on Resubmission:





Please consider:

- PhD year
- Your CV and track record
- Nature of the project
- Is your project high risk/high gain? Frontier?

- ! Waiting period concerns all ERC schemes of StG, CoG and AdG
- ! Resubmission rules differ for Synergy Grant calls

ERC Evaluation Criteria

TÜBİT

Quality of the Research Project

1. Research Project

Ground-breaking nature, ambition and feasibility

Starting, Consolidator, Advanced

Ground-breaking nature and potential impact of the research project

To what extent does the proposed research address important challenges?

To what extent are the objectives ambitious and beyond the state of the art (e.g. novel concepts and approaches or development between or across disciplines)?

To what extent is the proposed research high risk-high gain (i.e. if successful the payoffs will be very significant, but there is a high risk that the research project does not entirely fulfil its aims)?

Scientific Approach

To what extent is the outlined scientific approach feasible bearing in mind the extent that the proposed research is high risk-high gain (based on the Extended Synopsis)?

To what extent are the proposed research methodology and working arrangements appropriate to achieve the goals of the project (based on the research proposal)?

To what extent does the proposal involve the development of novel methodology (based on the research proposal)?

To what extent are the proposed timescales, resources and PI commitment adequate and properly justified (based on the research proposal)?

Quality of the Principal Investigator

Intellectual capacity and creativity

Starting and Consolidator

To what extent has the PI demonstrated the ability to conduct ground-breaking research?

To what extent does the PI provide evidence of creative independent thinking?

To what extent does the PI have the required scientific expertise and capacity to successfully execute the project?



or

Intellectual capacity and creativity

Advanced

To what extent has/have the PI(s) demonstrated the ability to conduct ground-breaking research?

To what extent does/do the PI(s) has/have the required scientific expertise and capacity to successfully execute the project?

To what extent has the PI demonstrated sound leadership in the training and advancement of young scientists (for Advanced Grant applicants)?

Panels – StG, CoG, AdG





> 4,000 panel members in 2014-2020 calls



60

European and non-European countries hosting ERC panel members



> 45,000

external reviewers in 2014-2020 calls

- Panel members: typically 375 / call (SyG:~90)
 - High-level scientists
 - Recruited by ScC from all over the world: ~14% from outside Europe
 - About 12-16 members plus a chair person
- Remote Referees: typically 2000 / call
 - Evaluate only a small number of proposals
 - Similar to normal practise in peer-reviewed journals

27 Panels – StG, CoG, AdG



Physical Sciences & Engineering

PE1 Mathematics

PE2 Fundamental Constituents of Matter

PE3 Condensed Matter Physics

PE4 Physical and Analytical Chemical Sciences

PE5 Synthetic Chemistry and Materials

PE6 Computer Science and Informatics

PE7 Systems and Communication Engineering

PE8 Products and Processes Engineering

PE9 Universe Sciences

PE10 Earth System Science

PE11 Materials Engineering

Life Sciences

LS1 Molecules of Life: Biological Mechanisms, Structures and Functions

LS2 Integrative Biology: From Genes and Genomes to Systems

LS3 Cellular, Developmental and Regenerative Biology

LS4 Physiology in Health, Disease and Ageing

LS5 Neuroscience and Disorders of the Nervous System

LS6 Immunity, Infection and Immunotherapy

LS7 Prevention, Diagnosis and Treatment of Human Diseases

LS8 Environmental Biology, Ecology and Evolution

LS9 Biotechnology and Biosystems Engineering

Social Sciences & Humanities

SH1 Individuals, Markets and Organisations

SH2 Institutions, Governance and Legal Systems

SH3 The Social World, Diversity, Population

SH4 The Human Mind and Its Complexity

SH5 Cultures and Cultural Production

SH6 The Study of the Human Past

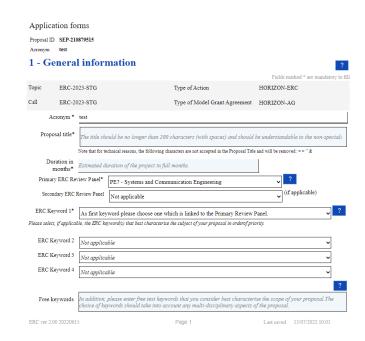
SH7 Human Mobility, Environment, and Space

Panel decision





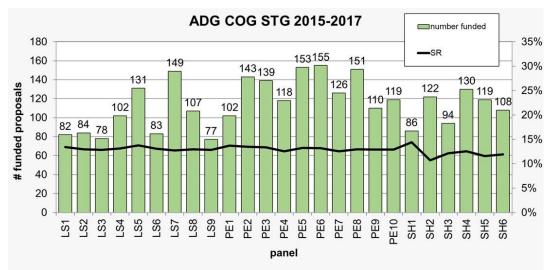
- PI's responsibility to choose the most relevant ERC Panel (primary panel)
- Secondary panel is optional
- See ERC keywords in Information for Applicants
- Decide on your panel before writing the proposal
- If necessary panel chairs may relocate the proposal from the initial panel
- Primary panel will determine if additional reviews by members of other panels or remote experts



Panel Budgets



- Indicative budget for each call in WP
- An indicative budget will be allocated to each panel (27) ERC Panels) in proportion to the budgetary demand of its assigned proposals in order to equalise the success rate across panels.



Panels



nature multi-

The composition of the ERC evaluation panels are by nature multidisciplinary.

PE8 Products and Processes Engineering

Product and process design, chemical, civil, environmental, mechanical, vehicle engineering, energy processes and relevant computational methods

PE8 1 Aerospace engineering

PE8_2 Chemical engineering, technical chemistry

 ${\tt PE8_3}\ Civil\ engineering,\ architecture,\ offshore\ construction,\ lightweight\ construction,\ geotechnics$

PE8 4 Computational engineering

PE8 5 Fluid mechanics

PE8_6 Energy processes engineering

PE8_7 Mechanical engineering

PE8_8 Propulsion engineering, e.g. hydraulic, turbo, piston, hybrid engines

PE8 9 Production technology, process engineering

PE8 10 Manufacturing engineering and industrial design

PE8_11 Environmental engineering, e.g. sustainable design, waste and water treatment, recycling,

regeneration or recovery of compounds, carbon capture & storage

PE8_12 Naval/marine engineering

PE8_13 Industrial bioengineering

PE8 14 Automotive and rail engineering; multi-/inter-modal transport engineering

ERC-2021-StG PE8 Panel Members

Suad Jakirlić (Panel Chair)

Mehdi Ahmadian

Yves Bamberger

Davide Bigoni

Jorge Gascon

Maria Gavrilescu

Carlos Guedes Soares

Saša Kenjereš

Cecilia Laschi

Paulo B. Lourenco

Thierry Poinsot

Eva María Martín Del Valle

Andreas Pauschitz

Guillermo Rus Carlborg

José Torero Cullen

Eicke R. Weber

David Zhengwen Zhang

Evaluation Results









Step 1 Evaluation Report CONFIDENTIAL

Call reference	ERC-2021-STG
Activity	HORIZON ERC Grants
Funding scheme	ERC STARTING GRANTS
Panel name	LS1
Proposal No.	
Acronym	
Applicant Name	
Title	

EVALUATION CRITERIA

Criterion 1 - RESEARCH PROJECT

Ground-breaking nature and potential impact of the research project To what extent does the proposed research address important challenges?

To what extent are the objectives ambitious and beyond the state of the art (e.g. novel concepts and approaches or development between or across disciplines)?

To what extent is the proposed research high risk/high gain (i.e. if successful the payoffs will be very significant, but there is a high risk that the research project does not entirely fulfill its aims)?

Scientific Approac

To what extent is the outlined scientific approach feasible bearing in mind the extent that the proposed research is high risk/high gain (based on the Extended Synopsis)?

Criterion 2 - PRINCIPAL INVESTIGATOR

Intellectual capacity and creativity

The questions below can have one of the following five responses: Exceptional/Excellent/Very Good/Good/Non-competitive To what extent has the PI demonstrated the ability to conduct ground-breaking research?

To what extent does the PI provide evidence of creative independent thinking?

To what extent does the PI have the required scientific expertise and capacity to successfully execute the project?

PANEL SCORE AND RANKING RANGE

Final panel score: B (is of high quality but not sufficient to pass to Step 2 of the evaluation. Please note that you may also be subject to resubmission limitations in the next call)	evaluated in panel I S1 were retained for Step 2
--	--

^{*} Ranking range of your proposal out of the proposals evaluated by the panel in Step 1, in percent, from 1% for the highest ranked proposals to 100% for the lowest ranker





PANEL COMMENT

This evaluation report contains the final score awarded by the ERC review panel during the first step of the ERC Starting Grant review and the ranking range. The discussion of the panel was conducted within the context of the individual reviews submitted by ERC panel members.

The panel closely examined all the individual review reports and, while not necessarily subscribing to each and every opinion expressed, found that they provide a fair overall assessment. The comments of the individual reviewers were the basis for the discussion and the final recommendation of the panel, and are included in this report.

Overall the panel considers this proposal to be of good quality. However, based on the combined set of criteria used in the assessment it was not ranked highly enough to be retained for Step 2. The panel therefore recommends that the proposal should not be retained for Step 2 and should not be considered for funding.

- information letter
- evaluation report
- final panel score
- ranking range
- the panel comment explaining the panel decision
- the individual comments given by each reviewer

Typical reasons for rejection



Source: ERCEA

Research Project

- Scope: Too narrow ← → too broad/unfocussed
- Incremental research
- Collaborative project, <u>several PIs</u>
- Work plan not detailed enough/unclear
- Insufficient <u>risk</u> management

Principle Investigator (PI)

- Insufficient <u>track-record</u>
- Insufficient (potential for) <u>independence</u>

Before Redressing: see what you could you have done/explained/ presented better before blaming the process!

- Differing scientific opinion is <u>not a</u> <u>motivation for redress</u>
- An obvious mistake however might result in a re-evaluation





Other Issues

Open Science





Publications:

- Immediate open access to all peer reviewed scientific publications (articles, book chapters, long text such as monographs, edited collections, PhD thesis etc.)
- Full re-use rights (excluding long text formats and commercial re-use and derivate works)
- Beneficiaries/authors must ensure sufficient IPR
- Publishing costs are eligible only if publishing venue (journal of book) is fully open access

Research Data:

- Open access to research data and data related products (computer codes, algorithms, softwares, workflows, protocols etc.)
- FAIR (findability, accessibility, interoperability and reusability) principles
- DMP (Data Management Plan) within the first six months
- "As open as possible, as close as necessary"

Gender balance



- Mandatory Gender Equality Plan GEP for the HI
- Promoting gender balance at all levels of personnel during the implementation of the project
- PIs should determine the relevance of integrating sex and gender analysis into their research
- Costs for promoting gender balance can be considered eligible





Turkey's performance

Turkey's ERC performance





2007-2022 calls:

917 applications* and 38 ERC Grants* + 1 transferred grant from abroad
31 ERC Grants with a total budget of 56.2 M € are either running or completed in in Turkish HIs
In addition 8 Proof of Concept Projects





Dr. Mustafa YÜCEL ERC 2021 Consolidator Grant Middle East Technical University



Dr. Sedat NİZAMOĞLU ERC 2021 Consolidator Grant Koc University



Dr. Levent BEKER ERC 2021 Starting Grant Koc University



Dr. Özgür ATALAY ERC 2021 Starting Grant Istanbul Technical University



Dr. Onur ERGEN
ERC 2021 Starting Grant
Istanbul Technical University



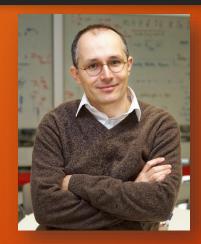
Dr. Emre BÜKÜŞOĞLU
ERC 2021 Starting Grant
Middle East Technical University



6 researchers in Turkey have been selected for funding with a total budget of 11.3 M € in **ERC 2021 Starting Grant** ve Consolidator Grant calls

2 researchers in Turkey have been selected for funding with a total budget of 4,9 M € in ERC 2021 Advanced Grant call





Assoc Prof. Dr. F. Ömer

İLDAY

ERC 2021 Advanced Grant
İhsan Doğramacı Bilkent University -

UNAM



Prof. Dr. Tolga M. DUMAN ERC 2021 Advanced Grant İhsan Doğramacı Bilkent University

Host Institutions in Turkey



Host institution*	Number of Grantees
Koc University	13
Bilkent University	8
Middle East Technical University	5
Istanbul Bilgi University	2
Sabancı University	3
Kadir Has University	1
istanbul Technical University	1
Toplam	31

ERC Proof of Concept funding: 8

^{*}current Host Institutions In 2007-2022 calls

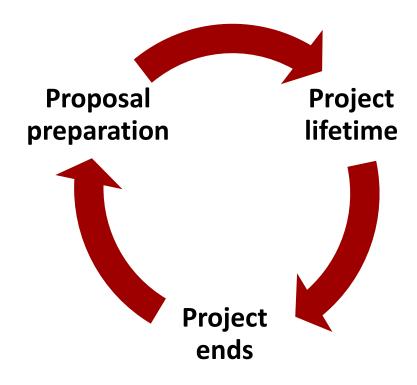




TÜBİTAK Supports

TÜBİTAK Supports





Support from your ERC National Contact Points





Bridge between you and ERC

Guidance in proposal writing

Information on Host Institutions in Turkey

Pre-evaluation support of your proposal



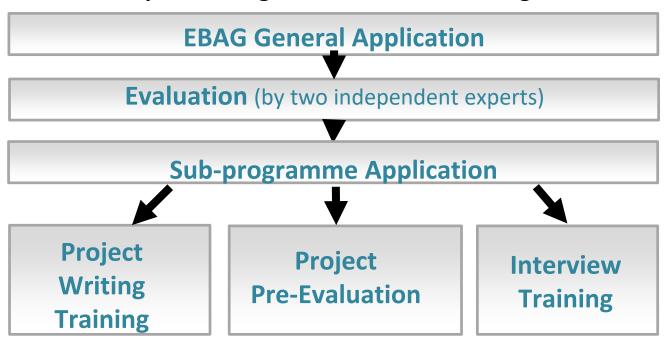


TÜBİTAK EBAG Supports





ERC Principle Investigator Advancement Programme



- **Draft B1** is needed for the general application
- **Deadline for general application:** 45 day before each ERC Call
- Apply for subcategories
- Apply as early as possible
- Check eligibility criteria for experts and **consultancy firms** for each sub-programme

https://ufukavrupa.org.tr/en/tubitak-supports

TÜBİTAK Supports You





If you pass to the second evaluation step but didn't receive funding

ERC Above Threshold Award

Score in the <u>second</u> evaluation step	Award
В	20,000 TL
Α	25,000 TL
A - Reserve	30,000 TL

BİDEB 2247 – B Programme

- To improve your ERC application
- You need to re-submit your proposal to ERC in 2 years

Score in the second evaluation step	Maximum Budget
В	500,000 TL
Α	1,000,000 TL

TÜBİTAK Travel Support for Researchers Living Abroad









Aim: The support is provided for researchers who have carried out a multi-partner project as coordinators, ERC principle investigator or an ERC panelist residing abroad to cover the costs of the visits to institutions in Turkey

Content



Employees working in organizations that want to invite the foreign researchers can apply



Max. 1500 Euro support



- Airplane ticket
- Accommodation expenses
- Travel expenses
- Visa costs

https://ufukavrupa.org.tr/



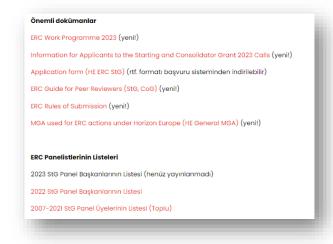




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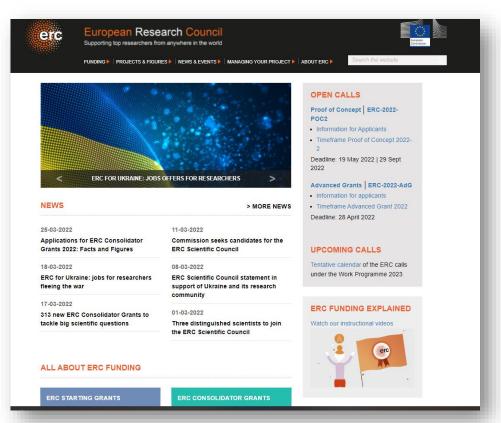




ERC website



https://erc.europa.eu/



- Funded Projects
- Statistics
- Open Calls
- Success Stories
- Magazine
- News & Events
- Panelists
- Publications and Studies





Suggestions

For a successful proposal...



Choose your panel before writing your idea



Devote time

Funded projects in your research area

Compare your idea with the funded projects

Compare yourself with the PIs who are funded by ERC

Apply and re-apply to ERC

Ask for help



Thank you



Aslı VURAL Derya DÖNERTAŞ

ERC National Contact Points

ERC Programme Committee Members

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