Irish Research Council Laureate Advanced Awards Programme 2022/23:

Indicative Applicant Form

This Word document is provided solely for information purposes. All applicants must create and complete their submission through the online system by the deadline of **16:00 (Irish time) on 15 December 2022.** Please read the **Call Document** on the Irish Research Council website for further information prior to submitting your application online. All sections must be completed in full.

Applicant Details

Please select the Laureate award you wish to apply for:	
Advanced Laureate	☐

Project Title: [maximum 100 words]

The proposal title should be understandable to a non-expert audience

Project Acronym: [maximum 12 character]

Applicants must enter the project acronym of no more than 12 characters.
The project acronym will be used to identify your proposal.

Irish Research Body: [drop-down list]

Lay Abstract: [maximum 300 words]

Please provide a lay abstract for your proposed research which will be used to inform a non-expert audience.

Name:

Email address:

Please select the gender you identify with::	
Man	☐
Woman	☐
Gender non-binary	☐
Other	☐
Prefer not to say	☐

Date of Birth:

What is your nationality, i.e. your passport-issuing country? [drop-down menu]

ORCID Identifer:

ORCID ID provides a persistent digital identifier that distinguishes you from every other researcher. If you do not currently have an ORCID ID, please register for one at www.orcid.org and provide us with your unique 16-digit identifier.

Employment Status with the proposed host institution:	
Permanent	☐
Indefinite duration	☐
Fixed-term contract	☐
Not currently employed	☐

Current country of residence: [drop-down menu]

What is your current position?	
Postdoctoral Fellow	☐
Lecturer	☐
Senior Lecturer	☐
Associate Professor	☐
Professor	☐
Other	☐

If other: please specify your current position

Current Organisation Name:

Current Department/Faculty/Institute Name:

Organisaton address (street name, city, country, postcode)

Do you have a PhD or equivalent qualification? Please see the Call Document for information about eligibility.	
Yes	☐
No	☐

If no, the Council recognises that in exceptional cases, senior researchers with a competitive track record may not have a PhD or equivalent qualification. In recognition of this, applications will be accepted from these researchers provided they have over 20 years of research experience. These applicants must ensure that Section A of their institutional letter of support is filled out. This will confirm that

they have suitable research experience and track record to apply. The requisite 20 years of experience should be supported by the applicant's CV.

Are you a medical doctor or do you hold a degree in medicine? Please note that if you have also been awarded a PhD, your medical degree may be your first eligible degree.	
Yes	☐
No	☐

If yes, have you also held a position that requires doctoral equivalence (e.g. post-doctoral fellowship, professorship appointment)? For medical doctors, a medical degree will not be accepted by itself as equivalent to a PhD.	
Yes	☐
No	☐

Please note that supporting documentation for any position that requires doctoral equivalence (certificates of both a medical doctor degree and a PhD or proof of an appointment that requires doctoral equivalency (e.g. postdoctoral fellowship, professorship appointment) have to be uploaded.

Advanced Laureate Award – the Principal Investigator shall have been awarded his/her first PhD or equivalent at least 15 years prior to 10 November 2022. Cut-off dates: 10 November 2007(inclusive).
For medical doctors, this may be your medical degree or your PhD - depending on whether you have held a position requiring doctoral equivalence and when. Please note that if your medical degree is the earliest degree that makes you eligible for the call, the certified date of the MD completion plus two years is the time reference for calculation of the eligibility time-window and the date that needs to be entered in this field (i.e. over 17 years past MD for Advanced Laureates).
Date on degree certificate: Click here to enter a date.

Research Funding and Commitments

Do you currently hold an ERC award and/or an IRC Laureate award? If "Yes" please list in the table below.	
Yes	☐
No	☐

Current and Pending Research Funding and Commitments:

Please fill out your funding profile below. Click '+' to add an an entry.

- Please include any current research awards held by the applicant and any pending applications awaiting a funding decision. Add more rows, if required.
- Only awards (current or pending) where the applicant is either the Principal Investigator or Co-Investigator should be listed.
- Award value: The portion of research funding claimed in an applicant's name must be an accurate and fair reflection of their responsibility in the projects listed. For consortium projects, e.g. under Horizon 2020 international joint programmes, applicants should only list the portion of the research funding allocated to them, not the full amount awarded to the consortium.
- Role of the applicant: Principal Investigator; Co-Principal Investigator. If the applicant individually won a research scholarship or fellowship, then 'Research Scholar' or 'Research Fellow' should be used as appropriate.

- Awards in currencies other than euro should be expressed in euros based on the current exchange/conversion rate.

Please note this information is used by the IRC and by reviewers to determine the time capacity of the applicant, and the IRC reserves the right to request a time management plan.

Project Title	Title of award (e.g. IRC GOIPD)	Funding Source	Award Value (€)	Start Date (MM/YYYY)	End Date (MM/YYYY)	Role of the applicant	% time spent on project (current awards only)	Relation to current project

If you are proposing to change host institution for the Laureate application, please outline details of your plans in respect of transferring currently-held research awards. If not in receipt of current research awards, please enter N/A.

Project Details

Proposed award duration in months: [24-48 months]

The minimum duration for Advanced awards is 24 months; the maximum is 48 months.

Please choose the domain panel to which you are submitting your application for assessment:

Life Sciences	☐
Physical Sciences and Engineering	☐
Social Sciences	☐
Humanities	☐

Please note: the panels reviewing your proposal will comprise of a group of generalists within your selected domain.

Please consult the Laureate Awards Programme list of disciplines 2021, Annex A: Life Sciences; Annex B: Physical Sciences and Engineering; Annex C: Social Sciences; and Annex D: Humanities for a description of what is covered in Primary Areas, Disciplines and Keywords.

Please choose the primary area within your selected IRC panel domain which best characterises the main subject of your proposal.
Primary Area: [drop-down menu]

It is the applicant's responsibility to choose the most relevant primary areas. This will inform the selection of remote peer reviewers and panel members.

Discipline: [drop-down menu]

Keywords: [drop-down menu]

In addition, please enter free text keywords that you consider best characterise the scope of your research proposal. The choice of keywords should take into account any multi-disciplinary aspects of the proposal.

Abstract. Please provide a short description of the proposed research project. The text should copy or closely reflect that provided in the Expression of Interest. Please note that the abstract will be shared with potential reviewers.
[300 words]

The abstract should provide a clear understanding of the objectives of the project and how they will be achieved.

Has this proposal or a very similar one been submitted in the past two years in response to a call for proposals under the ERC, Horizon Europe, Irish Research Council or other programmes?

Yes	☐
No	☐

A 'similar' proposal is one that differs from the current proposal in minor ways.

If yes,

Project Title	Funding Programme	Funding Agency	Status (successful, unsuccessful, reserve, pending)

Nominated International Peer Reviewers:

Please list your nominated peer reviewers here. You may nominate up to ten international peer reviewers. Please read Secton 4.10 of the Call Document for more information

Name	Position	Institution	Country	Email

Help icon – The IRC recommends that applicants take time to consider this section. Remote peer reviewers are used to support the entire Laureate process and have a considerable impact on the success of the applicant and the quality of the feedback to the applicant. Please see Section 4.10 of the Call Document for criteria on the selection of peer reviewers: for example, you should not have a conflict of interest with them, they may not be resident in Ireland, and they cannot be your collaborators.

Excluded International Peer Reviewers:

Please list your excluded international peer reviewers here. You may nominate up to five international peer reviewers to be excluded from reviewing your application.

Name	Position	Institution	Country	Email

Ethical and Sex/Gender Statements

Section 1: HUMAN EMBRYOS / FOETUSES				
Does your research involve Human Embryonic Stem Cells (hESCs), human embryos, and/or human foetal tissue?	YES	NO	Please note the IRC does not currently fund research that uses Human Embryonic Stem Cells (hESCs), human embryos, and/or human foetal tissue, either primary or cell lines.	

Section 2: HUMANS					
Does your research involve human participants?		YES	NO	Information to be provided in one of the subcategories below:	
If YES:	Are they volunteers for social or human sciences research?			Details on recruitment, inclusion and exclusion criteria and informed consent procedures.	Copies of relevant Ethics Approval. Informed Consent Forms. Information Sheets.
	Are they persons unable to give informed consent?			Information above plus: details on the procedures to obtain approval from guardian / legal representative. Details on the procedures used to ensure that there is no coercion on participants.	Documents as above.
	Are they vulnerable individuals or groups?			Details on the type of vulnerability. Details on recruitment, inclusion and exclusion criteria and informed consent procedures. This must demonstrate appropriate efforts to ensure fully informed understanding of the implications of participation.	Documents as above.
	Are they children / minors?			Information above plus: details on the age range. Details on children / minors assent procedures and parental consent. This must demonstrate appropriate efforts to	Documents as above.

				ensure fully informed understanding of the implications of participation. Describe the procedures to ensure welfare of the child / minor.	
	Are they patients?			Details on the nature of disease / condition / disability. Details on recruitment, inclusion and exclusion criteria and informed consent procedures. Details on policy for incidental findings.	Documents as above.
	Are they healthy volunteers for medical studies?			Information as above	Copies of relevant Ethical Approvals.
Does your research involve physical interventions on the study participants?		YES	NO		
If **YES**:	Does it involve invasive techniques (e.g. collection of human cells or tissues, surgical or medical interventions, invasive studies on the brain, TMS etc.)?			Risk assessment for each technique and as a whole	Copies of relevant Ethical Approvals.
	Does it involve collection of biological samples?			Details on the type of samples to be collected. Details on procedures for collection of biological samples.	Copies of relevant Ethical Approvals.
If your research involves processing of genetic information, please also complete the section "Protection of Personal Data" i.e. Section 4.					

Section 3: HUMAN CELLS / TISSUES					
Does your research involve human cells or tissues? (Other than from "Human Embryos/Foetuses" i.e. Section 1)		YES	NO	Information to be provided in one of the subcategories below: details of the cells and tissue types involved.	Documents to be provided at award stage
If **YES**	Are they available commercially?			Details on cell types and provider (company or other).	
	Are they obtained within this project?			Details on cell types.	Copies of relevant Ethical Approvals.
	Are they obtained within another project?			Details on cell types. Provider of the cell types. Country in which the material is located.	Authorisation by primary owner of cell/tissues (including references to

					ethics approval).
	Are they deposited in a biobank?			Details on cell types. Name of the biobank. Country in which the biobank is located	Details on biobank and access to it.

Section 4: PROTECTION OF PERSONAL DATA					
Does your research involve personal data collection and/or processing? *It should be noted that:* *1. "Personal data" can be defined as identifiers: any information that could, in any way, lead to the specific identification of one unique person, such as name, social security numbers, date of birth, address, mails IPs etc.* *2. Any data that you are using should be taken into account, regardless of the method by which they are/were collected: for example, through interviews, questionnaires, direct online retrieval etc.* *3. Processing should be understood to not only include data usage, but also merging, transformation, transfer and, more generally, as all actions using data for research purposes.*		YES	NO	Information to be provided	
If **YES:**	Does it involve the collection and/or processing of sensitive personal data (e.g. health, sexual lifestyle, ethnicity, political opinion, religious or philosophical conviction)? *It should be noted that this involvement applies, whatever the research topic or Programme. The above list is only indicative. If the type of data that you will be handling in your research is not included the list, it does not mean you should not take into consideration the subject of data processing.*	YES	NO	Details of the data safety procedures (compliance with privacy by design and protection of privacy/confidentiality). Details of procedures for data collection, storage, protection, retention, transfer if any, destruction or re-use. Explicit confirmation of compliance with national and EU legislation	Copies of relevant Ethical Approvals for the collection of personal data. Information sheets. Informed Consent Forms.
	Does it involve processing of genetic information?	YES	NO	*Information as above*	Copies of relevant

					Ethical Approvals for the processing of genetic data.
	- Does it involve tracking or observation of participants? *It should be noted that this issue is not limited to surveillance or localization data. It also applies to Wan data such as IP address, MACs, cookies etc.*			*Information above **plus:*** Details on methods used for tracking or observing participants.	
Does your research involve further processing of previously collected personal data (secondary use)? If **YES:** *It should be noted that this question is threefold. If you answer YES to any of the 3 questions below, you fall within its scope:* *Are you planning to use pre-existing other data sets or sources and/or does your research involve further processing of previously collected data?* *Does your research involve merging existing data sets?* *Are you planning to share data with non-EU member states?*		YES	NO	Details of the database used or to the source of data. Confirmation of open public access to the data or of authorisation for secondary use. More specifically, detail how this consent was obtained specifically in case of public archives usage (Automatic opt in, etc.). Permissions from the owner/manager of the data sets. A mitigation procedure to avoid private appropriation of the data. A mitigation procedure to avoid the unforeseen disclosure of personal information (i.e.: mosaic effect). Explicit confirmation of compliance with national and EU legislation. Conformity to Safe Harbour, if applicable.	Document confirming open public access to the data (e.g. print screen from Website) or authorisation by primary owner of data. Informed Consent Forms (if applicable)

Section 5: ANIMALS				
Does your research involve animals?	YES	NO	Information to be provided	Documents to be provided at award stage
			Details on implementation of the Three Rs	Copies of all appropriate authorisations for the

				(Replacement, Reduction and Refinement). Justification of animal use and why alternatives cannot be used. Details on species and rationale for their use, numbers of animals to be used, nature of the experiments, procedures and techniques to be used in a chronological order. Details on procedures to ensure animal welfare during their lifetime and during the experiment and how its impact will be minimised. Details on severity assessment and justification.	supply of animals and the project experiments. Copies of training certificates/personal licences of the staff involved in animal experiments.
If **YES**	Are they vertebrates or live cephalopods?			Information as above	Documents as above.
	Are they non-human primates (NHP)?			*Information above* ***plus:*** Confirmation of Compliance with Art. 8, 10, 28, 31, 32 (Directive 2010/63/EU). Discussion of specific ethics issues related to their use.	Documents as above. Personal history file.
	Are they genetically modified?[1]			Confirmation of compliance with relevant EU and national legislation and details as for no genetically modified animals above.	Copies of all appropriate authorisations for the supply of animals and the project experiments. Copies of the training certificates/personal licences of the staff involved in animal experiments.

[1] DIRECTIVE 2009/41/EC OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 6 May 2009 on the contained use of genetically modified micro-organisms and REGULATION (EC) No 1946/2003 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 15 July 2003 on transboundary movements of genetically modified organisms – see specifically its articles 4 to 11 and its annexes III to V

	Are they cloned farm animals?			*Information as above*	Documents as above
	Are they an endangered species?			*Information above* ***plus:*** Discussion of specific ethics issues related to their use.	Documents as above
Please indicate the species involved (Maximum number of characters allowed: 1000)					

Section 6: Nagoya Protocol[2] on use of genetic information				
Do you plan to use non-human genetic material (e.g. animal tissue samples, genetic material, live animals, materials of historical value, endangered fauna or flora samples, genetic data etc.)? If **YES:**	YES	NO	Details on type of material to be used and modalities for their use.	
Is this genetic material compliant with the Nagoya Protocol? If **NO:**	YES	NO	Details on reason for exemption	

Section 7: THIRD COUNTRIES				
Does your research involve third countries? *Countries:*(Maximum number of characters allowed: 1000)	YES	NO	Information to be provided: Details on activities carried out in non-EU countries	Signed declaration to confirm compliance with ethical standards and guidelines of H2020. Copies of relevant Ethics Approvals from EU country host and non-EU country (double ethics review, is possible).
Do you plan to use local resources (e.g. animal and/or human tissue samples, genetic material, live animals, human remains, materials of historical value, endangered fauna or flora samples, etc.)? If **YES:**			Details on type of local resources to be used and modalities for their use.	In case of human resources, copies of relevant Ethics Approvals. In case of animals, plants, micro-organisms and associated traditional knowledge, document showing compliance with Convention on Biodiversity (e.g. access permit and benefit sharing agreement).

[2] About the Nagoya Protocol

Do you plan to import any material, including personal data, from non EU/third countries into the EU? ***If your research involves importing data, please also complete the section "Protection of Personal Data" i.e. Section 4.***			Details on type of materials or data to be imported.	As above (use of local resources) and: Material Transfer Agreement (MTA)
If YES: Specify the materials and countries involved (maximum number of characters allowed: 1000)				
Do you plan to export any material, including personal data, from the EU to third/non-EU countries? ***If your research involves exporting data, please also complete the section "Protection of Personal Data" i.e. Section 4.***			Details on type of materials or data to be imported.	Authorisation for export from EU. Material Transfer Agreement (MTA).
If YES: Specify the materials and countries involved (maximum number of characters allowed: 1000)				
If your research involves low and/or lower-middle income countries, are any benefit-sharing actions planned?			Details on benefit sharing measures. Details on responsiveness to local research needs. Details on procedures to facilitate effective capacity building.	As above (use of local resources) and narrative document describing benefit sharing, responsiveness to local research needs and capacity building.
Could the situation in the country put the individuals taking part in the research at risk?			Details on safety measures that will be implemented, including personnel training	Insurance cover.

Section 8: ENVIRONMENTAL PROTECTION AND SAFETY[3]	

[3] DIRECTIVE 2000/54/EC OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 18 September 2000 - On the protection of workers from risks related to exposure to biological agents at work – see specifically its Chapter II and article 16; DIRECTIVE 2009/41/EC OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 6 May 2009 on the contained use of genetically modified micro-organisms – see specifically its annex IV; DIRECTIVE 2008/56/EC OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 17 June 2008 establishing a framework for community action in the field of marine environmental policy (Marine Strategy Framework Directive) – specifically its Annex III; COUNCIL DIRECTIVE 92/43/EEC of 21 May 1992 on the

Does your research involve the use of elements that may cause harm to the environment, animals or plants? If **YES:**		YES	NO	Information to be provided: Details on safety measures to be implemented.	Documents to be provided at award stage: Safety classification of laboratory. GMO authorisation if necessary.
Does your research deal with endangered fauna and/or flora /protected areas?[4] If **YES:**				Confirmation of compliance with international/national/local guidelines/legislation.	Specific approvals, if applicable
Does your research involve the use of elements that may cause harm to humans, including research staff? If **YES:**				Details on health and safety procedures.	University safety procedures. Safety classification of laboratory.
Does your research involve the use of elements that may cause harm to humans, including research staff?				Details on health and safety procedures.	
If **YES**	Does your research involve harmful biological agents?[5]				
	Does your research involve harmful chemical and explosive agents?[6]				
	Does your research involve harmful radioactive agents?[7]				
	Does your research involve other harmful materials or equipment, e.g. high-powered laser systems?				

conservation of natural habitats and of wild fauna and flora Council directive 79/409 EEC on the conservation of wild birds and
Council Regulation (EC) No 338/97 on the protection of species of wild fauna and flora by regulating trade therein

[4] See, in particular:
Directive 2008/56/EC; Council Directive 92/43/EEC; Council Directive 79/409/EEC Council Regulation (EC) No 338/97
Council Decision 93/626/EEC

Section 9: DUAL USE					
Does your research have the potential for military applications?		YES	NO	Information to be provided	Narrative document describing the potential dual use implications of the research.
If **YES**	Does your research have an exclusive civilian application focus?			Explanations on the exclusive civilian focus of the research	
	Will your research use or produce goods or information that will require export licenses in accordance with legislation on dual use items?			Details on what goods and information used and produced in your research will need export licences	
	Does your research affect current standards in military ethics – e.g., global ban on weapons of mass destruction, issues of proportionality, discrimination of combatants and accountability in drone and autonomous robotics developments, incendiary or laser weapons?			Details on how the research might affect current standards in military ethics.	

Section 10: MISUSE					
Does your research have the potential for malevolent/criminal/terrorist abuse?		YES	NO	Information to be provided	Narrative document describing the potential dual use implications of the research
If **YES**	Does your research involve information on/or the use of biological-, chemical-, nuclear/radiological-security sensitive materials and explosives, and means of their delivery?			Details on the legal requirements of the possession of such items and proposed risk mitigation strategies.	

	Does your research involve the development of technologies or the creation of information that could have severe negative impacts on human rights standards (e.g. privacy, stigmatization, discrimination), if misapplied?			Details on measures to prevent malevolent abuse. Details on risk mitigation strategies.	
	Does your research have the potential for terrorist or criminal abuse e.g. infrastructural vulnerability studies, cybersecurity related research?			Details on measures to prevent malevolent abuse. Details on risk mitigation strategies.	

Section 11: OTHER ETHICS ISSUES				
Are there any other ethics issues that should be taken into consideration? Please specify: (Maximum number of characters allowed: 1000)	YES	NO	Information to be provided	Any relevant document.

Sex/Gender Dimension Statement

Do you wish to gender blind your application?

Yes/No

It is the applicants responsibility to ensure gender identifying pronouns and details are blinded in the application documents. Please review section 4.6 of the Call Document.

Please read carefully Appendix 5 - Sex/Gender Dimension in Research in the Call Document for help in answering this question.
Does your proposed research programme involve any of the following?

1. *Humans as the research focus*
2. *Animals as the research focus*
3. *Human samples and/or data*
4. *Humans involved as consumers, users, patients, or in trials*
5. *Research on animals, animal samples and/or data*
6. *Research outputs with implications for end users or consumers*

Yes ☐

No ☐

If you have answered NO to the questions above, please explain why there is no potential biological sex and/or gender dimension to be considered in your proposed research.

If you have answered YES to the questions above, indicate how potential biological sex and/or gender issues will be handled. In particular, you are asked to reference the points mentioned in the 'Checklist for sex/gender in research content' in the Irish Research Council's Call Document. *[maximum 300 words]*

Project Budget

Please consult the Terms and Conditions when preparing the budget for eligible costs.

- *Advanced Laureate Award: maximum budget of €1,000,000 (inclusive of 25% overheads)*
- *The amount requested in the resources section of the Detailed Research Project must match the amount inserted in the budget table.*

Eligible Costs:	**Year 1**	**Year 2**	**Year 3**	**Year 4**	**Total**
Personnel:					
Travel costs:					
Materials & Consumables:					
Publication costs					
Dissemination & Knowledge Exchange Costs:					
Access to Research Infrastructures					
Relocation expenses					
Overheads:					
Equipment:					
Total:					

Uploads

A complete proposal will comprise the following documents, uploaded in PDF (Word documents will not be accepted). It is possible to upload multiple files where an applicant is submitting an application in Irish. Applications submitted in Irish must be provided with a translation of the documents in English. The translated documents must also adhere to the page limits as specified below.

For documents A through D, Applicants must use the following formatting constraints: Arial, at least font size 11, font colour black, margins (2.0cm side, 1.5cm top and bottom), single line spacing. Templates in the proper formatting may be found on the Laureate Call website. Please also refer to section 4.5 of the Call Document for more details on the required documentation.

A. Detailed Project Description (max. 15 pages)
B. CV (max. 2 pages) – use the template provided
C. Track-record (max. 2 pages) use the template provided.
D. Statement on ethical issues to be addressed (max. 2 pages) - use the template provided.
E. A letter of support from the Host Institution, including Head of School (or equivalent) - use the template provided
F. PhD certificate or transcript and supporting documentation if applicable

Applicant Declaration

Have you had an allegation of bullying and/or harassment upheld against you for which there is a current disciplinary warning or sanction in place?	
Yes	☐
No	☐

I declare that I have read and accept the applicant requirements as set out in the Call Document on the Irish Research Council Website.	
	I agree ☐

I declare that the information contained in this proposal is correct and complete. (NOTE: Should it become apparent that any of the information provided in the application is inaccurate or is not verifiable with appropriate documentation, it will result in the application automatically being deemed ineligible).	
	I agree ☐

I declare that this proposal complies with ethical principles (including the highest standards of research integrity – as set out, for instance, in the European Code of Conduct for Research Integrity – and including, in particular, avoiding fabrication, falsification, plagiarism or other research misconduct).	
	I agree ☐