

2023 ARC LINKAGE PROJECTS UQ R&I – How to Guide

September 2023 (version 1)



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Overview

- This document has been prepared by UQ Research and Innovation (UQ R&I) to assist in the writing and submission of <u>ARC Linkage Projects</u> (LP) for funding in 2023.
- The advice below has been provided to help applicants understand key sections of the application and develop their application.
- The guide details key sections of the application, providing advice on how to approach these sections, as well as including a selection of examples from past successful applications and from UQ R&I.
- The guide should be used in conjunction with <u>UQ's templates</u>, and the <u>documentation from the ARC</u>.
- Applicants must fully familiarise themselves with the ARC Linkage Program Grant Guidelines and Instructions to Applicants.



LP23 Scheme Overview

- ARC funds of \$50,000 to \$300,000 per year, per Linkage Project
- Funding duration is between two and five consecutive years (\$100,000 \$1,500,000 total)
- Applications must include at least one Partner Organisation.
- Partner Organisations (PO) must make a significant contribution in cash and/or in kind such that the combined PO eligible contributions are equal to or greater than the ARC funding.
- The project start date for successful projects must **be within 12 months** of the project's Grant Offer being executed by ARC in RMS.

Assessment Criteria:

- Project quality and innovation 30%
- Impact 20%
- Investigator(s') capability and quality of team 20%
- Strength of the proposed research alliance 30%



Starting your application

Step 1. RMS updates and scheme reading

- Update your full profile in RMS 'Person Profile'. If any team members are new to RMS and need a login/password, start early.
- Familiarise yourself with the key ARC and UQ documentation.

Step 2. Completing the application

- Log into RMS and complete the application. As the online system manages many of the compliance and eligibility requirements of the application, we recommend applicants draft their application online rather than offline (e.g. in a Word or PDF document). Our office will only carry out internal review of applications entered into and validated by RMS.
- Make sure UQ is listed as the Administering Organisation to link the application to the Research Office.



A1 - A2

A1: Application Title

- Short title (up to 75 characters, approx. 10 words).
- Should be easily accessible to the general public.
- Avoid acronyms and quotation marks
- Do not use all upper-case characters.

A2: Person Participant summary

- Be mindful of eligibility requirements
- The first named CI will be the Project Leader.

Chief Investigators (CI) must be:

- Employed at an eligible organisation at least 0.2
 FTE, or have an honorary appointment
- Not be undertaking an HDR
- Reside in Australia or at least 50 percent of the project activity period

If you are having difficulty determining if a participant should be listed as a CI or PI, have a look at Appendix B (Chief Investigator/ Partner Investigator role decision tree) of the LP23 Instructions to applicants

A Partner Investigator (PI):

- must not meet the eligibility criteria for a CI
- (can be an employee of an Eligible Organisation who will not reside in Australia for more than 50 per cent of the project activity period)



A3

- A3: Organisation Participant Summary
 - Admin Organisation: eligible organisation responsible for the funding if awarded
 - <u>Partner Organisation</u>: Must include at least one Partner Organisation. Australian or overseas organisation, other than Eligible Organisation, and is a cash and/or in-kind contributor
 - Other Eligible Organisation: Optional. Eligible Organisation listed as a contributor, but not the Admin Organisation.
 - Other Organisation: Optional. Listed organisation that is not an Eligible Organisation or a Partner Organisation, that contributes to the research project.



A4 Application Summary

The *Application Summary* should be written simply, clearly and in plain English (Australian Spelling) using aspirational terms ('the project aims to…') rather than definitive terms ('the project will…') for the aims sentence/s of your application summary. Remember it is to be used by the Minister to consider the application.

You should not use quotation marks, acronyms, all upper case letters, or dot points. Please use first person language.

We recommend your A4 follow the ARC required format:

- **Aims** (What do you plan to do? Eg This Project aims to...)
- Significance (Why is it important? Eg This project expects to...)
- **Expected outcomes** (What will the project achieve once completed? Eg Expected outcomes of this project include...)
- Benefits (Who/ what will benefit? Eg This should provide significant benefits such as...)



A5 National Interest Test (NIT) Statement

A more detailed guide to writing your NIT is available on our website

On 1 December 2022, the ARC announced significant changes to the way the NIT would be administered. Unlike previous rounds, the Statement will now be seen by assessors as they consider the benefit and impact of the proposed research.

NIT should be written simply, clearly and in plain English as a single cohesive statement directed towards a member of the public.

The considerations are:

- 1. What is the project about and what research gap is it addressing for Australia?
- 2. How could the research benefit Australians (economically, socially, environmentally, commercially, or culturally)?
- 3. How might you promote your research outcomes beyond academia to maximise understanding, translation, use, and adoption of the research in the future?



A5 NIT Statement – Enhancing Australia's Reputation

NIT must articulate the benefit beyond the intrinsic research value/discipline reputation.

Examples include:

- Development of a new/better product, process, industry or market (which then has a described value, savings or worth);
- Relating the work to existing or proposed policies and the issues they are focussed on addressing (eg education, public health, social welfare) perhaps in reports, commissions, data;
- Applications of the work, which then have a benefit;
- Increased understanding of something (event, tradition, cultural relations, social cohesion) which then
 has a described benefit that ensues;
- Better capacity to address a current problem (eg climate, numeracy)

 with what this alleviates or solves described.
- Skill development that would support industry/society (not training/upskilling researchers)



A5 NIT Statement – Enhancing Australia's Reputation

Discuss your research in terms of the broader social benefit. These outcomes might be potential translation somewhere down the track, or an increase in knowledge that will lead to the development of new devices or practices.

Not Acceptable:

- Academic benefit;
- Reputation of the discipline;
- Publication of research outputs;
- Training researchers.

TIP: You can give academic and discipline benefits in your Project Description.

Please see:

- UQs NIT Guide on our website: https://www.uq.edu.au/research/research-support/research-management/funding-schemes/australian-research-council-arc/discovery-early-career-researcher-awards
- ARC Articulating NIT website: https://www.arc.gov.au/news-publications/media/network-messages/articulating-national-interest-grant-applications



B1 Priority Areas

- Your application does not have to align to a government priority. It will not impact your application if you select 'no' here
- If you select 'yes', this is a free text field
- Include full name of the current Australian Government policy and year of announcement of this policy
- Answer should be verifiable: is the policy/strategy identifiable? Could it be found using google and the information you have provided?
- Do not provide additional detail beyond the name and announcement year
- Should be current (not expired or superseded)



B2/B3/B4 Choosing ANZSIC, Field of Research (FoR) and Socio-Economic Objective (SEO) codes

- Select 1 ANZSIC code at the 3-digit level that best represents the proposed research. Visit the <u>ARC</u> website for the full list of ANZSIC 2006 codes.
- Field of Research (FoR) codes are used to allocate assessors and should indicate the broad disciplinary context of the application rather than specific outcomes.
- The Socio-Economic Objective (SEO) classification indicates the sectors that are most likely to benefit from the project if funded.
- If unsure which codes to choose we recommend consulting with an experienced peer.
- Ensure FoR and SEO codes are listed from highest to lowest percentage and must all total 100%.
- The highest percentage can only be entered for one FoR/SEO code (for example, 50 cannot be entered for two FoR codes).
- Clinical/medical FoR codes may indicate concerns about Application eligibility under the <u>ARC's Medical</u> <u>Research Policy</u>. The ARC has advised that the 'xxxx99' FoR code should only be used when there is no other appropriate code within the classification.



B5 - B9

B5 interdisciplinary research:

- if your project involves interdisciplinary research, we suggest reflecting this in your choices of FoR and SEO codes
- Interdisciplinary research may be characterised by; the composition of your investigator team (e.g. team members are from different disciplinary backgrounds); the proposed methodology (e.g. the tools/techniques outlined in your methodology are integrated from different disciplines); the project design (e.g. the perspectives/concepts/theories used to formulate the project are drawn from multiple disciplines); or other factors (e.g. the data used in your project is based on interdisciplinary research).

• B6 – B8 international collaboration:

- If you answer 'yes' here, ensure this is reflected in your D1 Project Description.
- If collaboration activities involve travel, ensure this is reflected in your budget
- **B9 PhD, Masters and Honours students**: numbers here can be more than just the students funded by the project



C1 Medical Research – UQ recommendations

- If cell lines are needed, we strongly recommend selecting a non-human cell line. We have received informal advice that use of human cells lines may strongly impact your eligibility ruling.
- If your research is fundamental, but the next step would be health related/translation, be very careful not to let that bleed into your LP proposal. For example, this often tends to creep into the last aim/objective. In which case the whole application is ruled ineligible due to the last aim.
- ARC Medical Policy: <u>ARC Medical Research Policy</u>
- Additional information: <u>ARC Medical Research Policy FAQs</u>
- ARC Medical Research Statement Examples: <u>ARC Medical Research Policy Eligibility Examples |</u>
 <u>Australian Research Council</u>



C2 Medical Statements – ARC requirements

- The ARC may rely solely on the Medical Research Statement to determine whether an application is eligible. The ARC will not seek further clarification.
- If applicable, justify why a project complies with the eligible research requirements set out in the ARC Medical Research Policy located on the <u>ARC website</u>.
- Avoid simply quoting the policy in your response and provide sufficient detail for the ARC to properly
 understand the intent and limits of the research aims.
- Address why areas of research which may appear to be medical are required, for example, to provide proof of concept, demonstrate a platform technology and are many years from medical application. (Up to 750 characters, approximately 100 words).
- A clear statement of the main aim of application, which may include well identified, big picture and long term intent beyond the scope of the application.



C2 Medical Statements – UQ recommendations

Err on the side of caution, and include a C2 statement if there is any minor indication that your research could be deemed medical

It is important to provide sufficient detail for the ARC to properly understand the intent and limits of the research aims, including:

- A clear statement of the aim of your project
- Why the proposed research is eligible (quoting the policy on its own is not sufficient):
 - That your proposed research clearly aligns with one of the eligible research categories
 - and/or does not fall into an ineligible category
- That medical / health goals are not a direct outcome of the proposed research
- Why areas of research which may appear medical are needed

D1 Project Description

UQ R&I have provided a template that includes requirements for this document.

Please consider the following points when crafting your D1:

- Project title can be different from Application title but must still reflect the proposed project;
- The ARC heading structure MUST be retained verbatim;
- Aims should be on the first page so that they are easily accessible to the assessors;
- **Subheadings** direct assessors' attention;
- Including a timeline is a strong way to visually represent feasibility;
- Figure captions and text within figures must meet font and size requirements, as with all other text in the document;
- There is an 8 page limit; and
- Font should be readable, and is recommended at 12 point for body text and 10 point for references
- White space increases readability by breaking up walls of text



How long should each D1 section be?

Based on past successful Linkage Project applications, taking into account the changes in ARC requirements, and weightings of selection criteria, a page limit suggestive guide is provided below:

Section	Project n Aims and Background	ims and Quality and Innovation		Investigator(s') Capability and Quality of Team (20%)	Strength of Proposed Research Alliance (30%)	Communication of Results	References	
Pages	0.8 - 1.2	1.5 - 2.0	1.0 – 1.5	1.0 – 1.5	1.5 – 2.0	0.2 - 0.4	0.4 - 0.6	



D1 Project Description – Project Aims and Background

- Present the accessible 'big picture' or executive summary at the top of your first page. Set out the problem and why it needs to be solved. In particular, make sure to answer the questions – why this topic and why now?
- State how this project will address the problem or deliver breakthroughs in this area. At the end of the project, where will the problem be?
- Try to ensure your aims are listed on the first page.
- Address the national and international progress in the field, and its relationship to this application



D1 Project Description – Project Quality/Innovation

- Articulate and differentiate the **significance** (why is the work/problem important?) and the **innovation** (how will the project advance the knowledge base? Why is the work novel? What makes the work ground-breaking?).
- Use sub-headings for significance and innovation (or use selective bolding) to 'sign-post' both.
- For innovation try to avoid incremental language (expand, advance, build) and instead use transformational language— how will your project transform, synthesise, change the direction, or introduce a step change in this area?
- Ensure your project design and implementation plan is clear and cohesive, and links back to your aims
- Address the adequacy and appropriateness of the budget, including cash and in-kind contributions
 pledged by the participating organisations, and value for money considerations.



D1 Project Description – Project Quality/Innovation

• Examples of this section have not been provided as each project will be highly individual. Some example frameworks are provided below (each bullet level represents a heading level)

Example 1:	Example 2:	Example 3:	Example 4:			
 Significance Innovation Research Plan Aim 1 Rationale Preliminary Data Experimental Approach Outcomes Aim 2 	 Conceptual Framework Aim 1 Significance Innovation Methods Outcomes Aim 2 	 Design and Methods Aim 1 Outcomes Aim 2 Overall outcomes and significance 	 Conceptual Framework Innovation Methodology Aim 1 Aim 2 			



D1 Project Description – Impact

- Demonstrates of the mutual benefit for Participating Organisations now and into the future;
- Provides evidence of how the research will advance/address Partner Organisation(s)'s core strategy use key points from the Partner Letters of Support;
- Describes potential contribution to Australian Government priority areas- as stated in B1 and any other priority areas;
- Demonstrates potential economic, commercial, environmental, social and/or cultural benefits for Australian individuals, groups or entities;
- Describes any other potential benefits for the Australian community, economy, environment and/or society likely to arise from the grant; and
- Demonstrates the appropriateness of strategies for adoption, commercialisation, promotion, and/or dissemination of research outcomes, including IP management arrangements;
- Can include non-academic benefits given in A5 (including capacity building through PhD students)
- Recommendation: review A4 & A5 ensure the benefit/s listed there match the benefit/s in this section



D1 Project Description – Investigator(s)/Capability

- Try to demonstrate both general and specific capability i.e., that the individual or team are great researchers relative to opportunity and that they have the right skills and expertise for this project.
- Provide evidence that the team has the potential to engage in collaborative research.
- ensure that any international collaboration mentioned in B5-7 or national collaboration in D1 is discussed and correlates with any travel plans in Part E. How will the LP 'value-add' to these collaborations, and further these collaborations?
- Should include the following:
 - Track record (high level overview no need to repeat F17 in detail)
 - Time and capacity to undertake the research provide FTE available, and position it within the context of that persons existing commitments
 - Evidence of research training/mentoring/supervision
 - Evidence of capability to build collaborations



D1 Project Description – Strength of the Proposed Research Alliance

- Recommend to showcase long-term collaboration and strength of engagement between all
 organisations, including previous projects, and interactions to date leading to the project application.
- Extent and nature of commitment to the project from all partners, including provision of research environment, facilities and personnel (where relevant),
- Highlight the extent to which all parties demonstrate a commitment to the success of the project and to establishing a collaborative relationship, including the industry partners' financial and/or in-kind contributions.
- Detail the capacity and intent of Partner Organisations to use the outcomes of the research
- Past applicants have found it useful to include details of a Governance structure to manage the project.



D1 Project Description – Communication of Results

Make sure your Communication strategy incorporate multiple audiences.

- Academic (e.g. outputs, conferences/visiting lecture/keynotes etc.)
- Broader public (e.g. public lectures, engagement in media activity, blogs, websites)
- Industry (industry networking events, symposia)
- Government (policy documents)
- Any other relevant points



D1 References: Online publications and Citing Preprints or comparable resources

- Inclusion of webpage addresses/URLs and hyperlinks should be used only under certain circumstances such as publications that are only available online.
- Preprints or comparable resources can be included in any part of an application.
- If preprints or comparable resources are cited in D1:
 - These should be explicitly identified in the reference list by including [PREPRINT OR COMPARABLE] after the reference.
 - This reference should include a DOI, URL or equivalent, version number where available and/or date of access, as applicable.
 - This indication is only required in the reference list and not in the project description itself.

ARC Definition: A preprint or comparable resource is a scholarly output that is uploaded by the authors to a recognised publicly accessible archive, repository, or preprint service (such as, but not limited to, arXiv, bioRxiv, medRxiv, ChemRxiv, Peer J Preprints, Zenodo, GitHub, PsyArXiv and publicly available university of government repositories etc.). This will include a range of materials that have been subjected to varying degrees of peer review from none to light and full review. Ideally, a preprint or comparable resource should have a unique identifier or a DOI (digital object identifier).



Part E – Participant Details including ROPE

- E1 Personal Details
 - Please ensure that each CI/PI has answered YES in the Conflict of Interests section in their RMS profile, as you are declaring that you have reviewed your COI and have either declared a COI OR declared that you do not have a COI.
- E2 Field of Research
 - This is auto populated from your RMS profile
- E3 Expertise Text
 - We recommend the expertise text is updated to be relevant to the application, if necessary.
- E4 Research Load (non-ARC Grants and Research)
 - Please ensure all CIs/PIs use the UQ E4 template. There is also a 'None To Report' template to use if you have nothing to report.



E4 Research Load Example – with Grants

Any CI or PI that is receiving international funding must provide this detail at the following question in their RMS Personal Details section: "Are you receiving any foreign financial support (cash or inkind) for research related activities? If yes, then specify the country/ies that you have received financial support from."

E4 Research Load (non-ARC Grants and Research)

Funding from non-ARC source	s									
Description (All named investigators on any application or grant/ fellowship in which a participant is involved, project title, source of support, scheme name and round)	Same Research Area (Yes/No)	Support Status (Requested/Current/Past)	Application/ Project ID (<u>for</u> NHMRC applications only)	2022 \$'000	2023 \$'000	2024 \$'000	2025 \$'000	2026 \$'000	2027 \$'000	2028 \$'000
E.g. Prof Joe Example, Project title, source of support, scheme name, 2022	Y	С	n/a	205	100	100				
E.g. Dr Mary Test, Prof. Joe Example, Project title, source of support, scheme name, 2021	Y	С	APP123456	175	175					
E.g. Prof Joe Example, Prof Nathan Supervisor, Project title, Grand Challengers Canada, 2021	N	N	n/a	200				v 0		

Use the UQ R&I template to ensure you build on the correct format required for this document.

Note: Only NHMRC applications require an APP ID



E4 Research Load Example – no Grants

This is all you need to do to note you have no grants.

Even if you have no grants you must still submit this table in this format to comply with the ARC Instructions to Applicants

Use the UQ R&I template to ensure you build on the correct format required for this document.

E4 Research Load (non-ARC Grants and Research)

Funding from non-ARC sources	S								
Description (All named investigators on any application or grant/ fellowship in which a participant is involved, project title, source of support, scheme name and round)	Same Research Area (Yes/No)	Support Status (Requested/Current/Past)	Application/ Project ID (<u>for NHMRC</u> applications only)	2022 \$'000	2023 \$*000	2024 \$'000		202 7 \$'000	2028 \$'000
Nothing to report	-1	8.5				,	2.5		,



Part E – Participant Details including ROPE

- E5 time commitment: 1.0 represents full-time (5 days a week)
- E6 employment details at grant commencement: this question impacts eligibility
 - You must include **all** organisations you will be associated with on 1 January 2024
 - Cls must be employed at an eligible organisation at least 0.2FTE or an honorary academic with full academic status (if this is you, please contact the Research Office ASAP)
 - Pls must not meet the above criteria. I.e., they cannot be employed at an eligible organisation for 0.2FTE or above
 - If you can't find an organisation, contact the Research Office
- E7: this is the organisation associated with this LP
- E8: auto-populated, advise Research Office if you see any issues



Part E – Participant Details including ROPE

- E9 project relinquishment: this question activates automatically. If it is activated, you must provide an answer
- E10 Partner Investigator CV: Required to upload a CV up to 2 pages, with information relevant to this application. Qualifications, current and previous appointments or careers interruptions are not required as these are populated in E11,E12 and E13. Please note that there is no longer an option to complete a ROPE for PIs
- E11 Qualification: auto-populated from RMS, please check details are correct
- E12 Employment:
 - Last 10 years is from 2012
 - Fill in all sections
 - End date can be left blank if the appointment is continuing
- E13 Career Interruptions: only use eligible categories, any interruptions should also be reflected in E14

E14 ROPE

UQ R&I have provided a template that includes requirements for E14.

There are some key points to take into consideration when creating your E14:

- No more than 3 A4 pages.
- The purpose of this section is to describe the science and contributions of the investigator over their career
- Should include significant outcomes on industry-related projects including evidence of your
 experience in management and delivery of collaborative industrial and end-user focused research.
- Ensure that you retain the required ARC heading structure throughout the document
- We suggest consistent format across all CIs

E14 ROPE

Amount of Time as an Active Researcher

- Provide a concise, single sentence answer using the ARC recommended structure;
 - "I was awarded my PhD <x> years ago in <year> and in that period I have experienced a total of <x> years (at <X.X> FTE) of career interruptions."
- Any career interruptions described in E13 should be reflected in your FTE calculations. Details of those
 interruptions can be included under research opportunities if applicable.

Research Opportunities

- Often, the clearest way to draft this section is by detailing each role in chronological order
- Please ensure you have given coverage to your employment opportunities and context, and the mentoring and facilities available to you
- You should include for each role, a percentage breakdown for time spent in each type of work.
 - For example, '1.0FTE, X% research, X% teaching', X% administrative, industry etc.



E14 Suggested framework for a strong statement

E14 Research Opportunity and Performance Evidence (ROPE) – Career and Opportunities – <insert CI surname>

AMOUNT OF TIME AS AN ACTIVE RESEARCHER

A streamlined response structure is recommended, along the lines of: I was awarded my PhD <insert number> years ago in <year> and in that period I have experienced a total of <insert number> years (at <insert number> ← FTE) of academic interruptions.

Worked examples:

- I was awarded my PhD 10 years ago in 2013 and in that period have experienced a total of 1.5 years (at 1.0FTE) of academic interruptions.
- I was awarded my PhD 10 years ago in 2013 and I have experienced a total of 1.5 years of academic interruptions.
- I was awarded my PhD 10 years ago in 2013 and I have experienced no academic career interruptions.

RESEARCH OPPORTUNITIES

RESEARCH ACHIEVEMENTS AND CONTRIBUTIONS

Each investigator should calculate the total amount of interruption they have experienced over their career. If there have been multiple periods of interruption, we recommend calculating the total equivalent period of interruption taking account of FTE. For example, 2 years with 0.75 FTE interruption per year would be a total of 1.5 years' interruption.

White space and subheadings can help the assessors in understanding your research context.



E14 Suggested framework for a strong statement

E14 Research Opportunity and Performance Evidence (ROPE) – Career and Opportunities - Prof John Smith

AMOUNT OF TIME AS AN ACTIVE RESEARCHER

I was awarded my PhD 10 years ago in 2012 and in that period I have experienced a total of 2 years (at 1.0 FTE) of academic interruptions.

RESEARCH OPPORTUNITIES

Current Role

I currently hold a position at the University of Queensland (1.0 FTE, 80% research, 20% teaching). I commenced this role in 2020 and lorem ipsum dolor sit amet, consectetur adipiscing elit, sed do eiusmod tempor incididunt ut labore et dolore magna aliqua.

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Career Opportunities

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Research and Mentoring Facilities

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Each investigator should calculate the total amount of interruption they have experienced over their career. If there have been multiple periods of interruption, we recommend calculating the total equivalent period of interruption taking account of FTE. For example, 2 years with 0.75 FTE interruption per year would be a total of 1.5 years' interruption.

White space and subheadings can help the assessors in understanding your research context.



E14 ROPE – Research Opportunities

Examples of this section have not been provided as each person will be highly individual. Some
example frameworks are provided below (each bullet level represents a heading level)

Example 1:	Example 2:	Example 3:	Example 4:	
 Academic Interruptions Research Opportunities Training Leadership Current Role (includes % research/teaching/service) Research Mentoring and Facilities Available 	 Summary overview Position 1 (% research/teaching/service). Includes description of any interruptions, opportunities, and mentoring within role Position 2 	 Position 1 (% research/teaching/ service). Includes description of any and opportunities within role Position 2 Research facilities Research Mentoring 	 Employment Research Mentoring Research Facilities 	



E14 ROPE - Research Achievements and Contributions

- Using subheadings throughout is an effective way to direct assessor attention (see suggested inclusions on the next slide).
- Where applicable, give context to your achievements rather than just listing them. Your assessors could be international, or outside of your field.
 - E.g., If you have received an award rather simply listing the title and year, explain the importance/prestige of the award and what it signifies is it the premier award in your field? Were you the only person awarded that year or one of many? Is it a national or international award? Are you the first person at your career stage or in your discipline to receive it?



E14 ROPE – Research Achievements and Contributions

ARC Instructions	Research Office suggested inclusions				
Prizes, honours, and awards	Alongside prizes, honours, and awards, membership of learned academies may also be included				
Research supervision, mentoring and advice	Mentoring and supervision roles and associated statistics including HDR enrolments and completions; highlights of student/mentee achievements (space permitting). Should align with the "Investigator(s)/Capability" section of D2				
Invited keynote and speaker addresses	Outline highlights of speaking roles, ensuring you add context for the non-discipline expert. Add key statistics if relevant				
Research income	Summary details of grant types with either career-total dollars or last 5-years (specify). Lead CI roles can be highlighted as necessary				
Commercial outcomes such as patents, IP licences and resulting benefits	List patents, but also contextualise the commercial outcomes if possible. Other informal IP arrangements can also be mentioned. Ensure you don't reveal any commercial-in-confidence details.				
Identifiable benefits outside of academia	Details of research translation, knowledge transfer, or end-user or social impact. Can include contributions to community and policy influence; links to industry; or media activity and outreach. International connectivity or collaboration.				
Other professional activities	Can include committees; journal editorial boards; conference organisation; peer review involvement (publications or grant applications); institutional leadership in research; or other university activities.				
Describe how the participant's research has led to a significant change or	You might like to start by describing your research field and your key areas of influence. You may choose to take either a thematic approach, or a chronological approach.				
advance of knowledge in their field and outline how their achievements will contribute to this application.	How has your work resulted in a 'step-change' in the field of research? What makes the work leading-edge? Why were the breakthroughs important ones to have made? How did your work lead to significant contributions including new discoveries, breakthroughs in knowledge, new techniques or methods, new ideas or paradigm shifts in understanding?				
	Ensure that you are demonstrating your intellectual leadership and articulating your role in initiating and driving research and the contributions. You should also make a point of highlighting if you were the first researcher, or first research team to deliver key breakthroughs in particular area/s.				
	Describes the research contributions / findings themselves: publication metrics are covered in F18.				
	Should conclude this section with (or appropriately articulate in the body of its text) a commentary on how your achievements and contributions will contribute to the current Discovery Projects application, demonstrating your capacity to deliver				



E14 ROPE – Research Context

- This section is focused on the profile of the **publications** in the discipline and their metrics.
- Provide clear information that explains the **relative importance** of different research outputs and expectations in the participant's discipline. It must help the assessors understand the **context** of the academic research achievements.
- You could explain the contribution and significance of the investigator's publications to give evidence of research quality including:
 - Publication statistics (including total career publications by type).
 - Citation metrics contextualised for the discipline, publication highlights (total citations, citations per year showing strengthening trajectory, cites per publication, hot papers, key quotes from peers, etc.).
 - The profile of works in the context of the discipline.
 - outputs. Other evidence of quality such as quotes from reviews, textbooks, etc. and the significance of non-traditional research
- Describe the **standing/esteem** of journals in which the investigator publishes and specific indicators of recognition within the field, e.g., first authorship/citations etc.



E14 ROPE – Industry-related projects

 Provide clear information on the investigator's most significant outcomes on industry-related projects including <u>evidence of experience in management</u> and <u>delivery of collaborative industrial and end-user</u> <u>focused research</u>.



E15 (ROPE) Research OutputIncluding 10 Career-Best Research Outputs

- Cls only.
- Include up to 25 research outputs and fully reference each research output listed.
- Please ensure you have selected the 'Ten career-best' by numbering 1 10 in the 'Rank' column of your 'Research Outputs Listing' at E15.
- Please ensure that publications relevant to this application are marked with an asterisk (*). This is achieved by ticking the box in the 'Relevant' column of your 'Research Outputs Listing' at E15.



E15 Research Output – Tips For Preparation

- Always keep a panel shot of WoS/Scopus/Google Scholar/InCites/SciVal search results on file for reference and provide sources and dates in your application for any bibliometric data used.
- The UQ Library has an updated Research Impact and Metrics page, with information on various aspects
 of bibliometrics to source information and data for inclusion into your application https://web.library.uq.edu.au/library-services/liaison-librarians.
- We recommend using as many of the library tools as possible to ensure you are able to include, and reference metrics to the best of your ability.



E16 - 17

E16 Is the participant applying for Teaching Relief?:

- Select 'Yes' or 'No'
- If yes, select the appropriate percentage per year.
- Note that this information is automatically carried over to F1.

E17 Certification by Participants:

- Only the participant in this form part will be able to provide a response to this question.
- This question replaces the participant certification previously required as part of certification documentation sourced and held by the Administering Organisation.
- The application form will not validate if 'No' is selected.
- The participant must review and confirm the accuracy of all information contained in this
 application, including information entered within their RMS profile to be eligible to participate on
 this application.



F1 Project Costs

- Please refer to Section 5 "What the grant money can be used for" of the Grant Guidelines when planning your budget.
 - IMPORTANT: Ensure no ineligible items requested in the budget.
- Budgets must not include GST or indexation.
- Individual line items are needed for Personnel and Teaching Relief sections only. All other sections (Travel, Field Research etc) should enter one line only giving the total amount for that section per year.
 - Details regarding the requested budget items and contributions making up this total amount should be provided in F2 and F3
- Each line in the budget will appear every year in RMS, even if a \$0 value is assigned. However, in the PDF file, budget lines will only appear if a value has been attributed to it in that year.



F1 Project Costs – Eligible costs

You can only spend the grant on eligible expenditure items that directly support the project and in accordance with any additional special conditions in the grant agreement.

Eligible expenditure items may include:

- <u>salary support for other personnel</u>, for example, research associates and assistants, technicians and laboratory attendants at an appropriate salary level, including 30% on-costs, at the employing organisation;
- <u>stipends for HDR students</u>, at an appropriate level for the Administering Organisation or the relevant sector;
- <u>teaching relief for CIs</u> up to a total of \$50,000 per CI per year;
- <u>equipment</u> (and its maintenance) and <u>consumables</u>, including specialised computer equipment and software essential to the project;
- <u>travel costs essential to the project</u>, including economy travel costs for domestic and/or international travel and accommodation, not exceeding an average of \$20,000 per year of the project. The following travel costs are not counted towards the average of \$20,000 per year limit:
 - i. expenditure on field research essential to the project, including technical and logistical support, travel expenses (including accommodation, meals and incidental costs); and
 - ii. reasonable essential costs to allow a participant who is a carer, or who personally requires care or assistance, to undertake travel essential to the project.



F1 Project Costs – Ineligible costs

You cannot request or use grant funds for:

- activities leading solely to the creation or performance of a work of art, including visual art, musical compositions, drama, dance, film, broadcasts, designs and literary works, unless those works are directly related to the project activities and demonstrably research based;
- contracted research or consultancy arrangements where one or more Organisation(s) is seeking expert external assistance, not available within their own organisation, in order to develop specific applications or outputs that involve little innovation or are low risk;
- production of computer programs, research aids and tools; data warehouses, catalogues or bibliographies; or teaching materials, unless these meet the definition of 'research';
- basic facilities, including:
 - i. bench fees or similar laboratory access fees;
 - ii. access to a basic library collection;
 - iii. access to film or music editing facilities;
 - iv. work accommodation (for example, laboratory and office space, suitably equipped and furnished);
 - v. basic computer facilities such as desktop computers, portable computer devices, printers, word processing, and other standard software; and
 - vi. standard reference materials or funds for abstracting services;
- · capital works and general infrastructure costs;
- costs not directly related to the project, including but not limited to professional membership fees, professional development courses, fees for patent application and maintenance, equipment for live music or drama performances, equipment for gallery and museum exhibitions, visas, relocation costs, entertainment costs, purchase of alcohol, insurance, mobile phones (purchase or call charges) and other indirect costs;
- fees for international students or the Higher Education Contribution Scheme (HECS) and Higher Education Loan Program (HELP) liabilities for students; and
- salaries and/or on-costs, in whole or in part, for CIs or PIs.



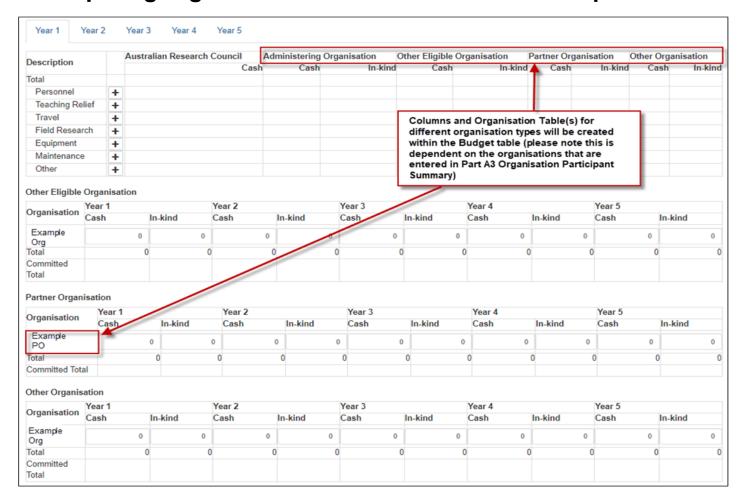
F1 Project Costs

- Laptops: the ARC considers laptops (and other portable computer devices) as 'basic facilities' provided
 for by the institution. Unless the laptop can be argued in your budget defence to be infrastructure of a
 more specialist nature, e.g., a special fit-out for the purposes of fieldwork or advanced processing, the
 ARC is unlikely to be sympathetic to this budget request.
- Please note that in requesting a postgraduate stipend from the ARC, it should be budgeted for at the UQ rate of \$32,192 per year.
- When determining in-kind, please use the 2023 rates plus 30% oncosts (for all years)
 - For UQ in-kind see <u>UQ LP23 Indicative Salary Scales (XLSX, 34.3 KB)</u>



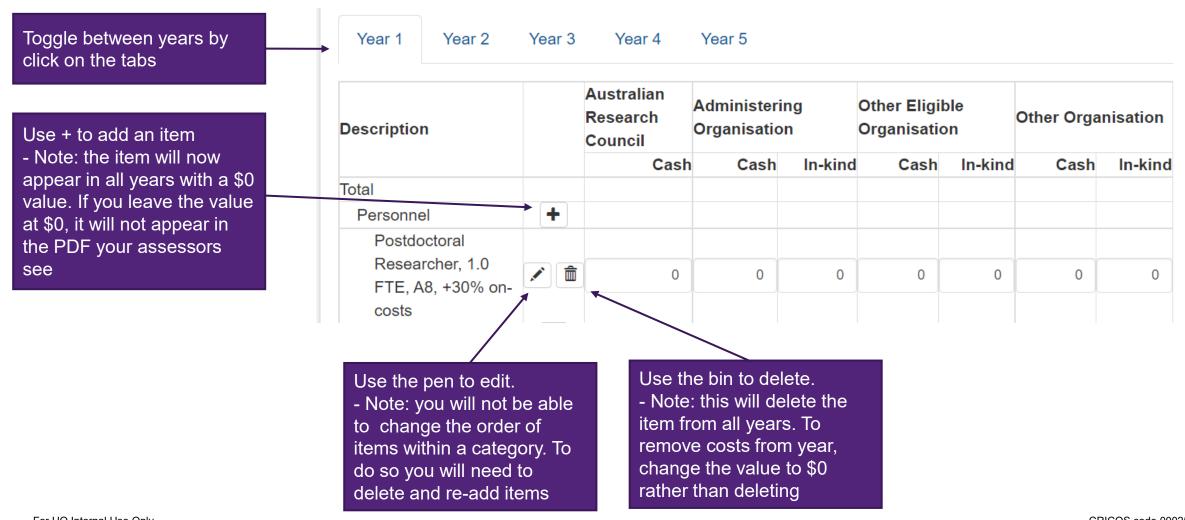
F1 Project Costs - RMS

Participating organisations must be first added in question A3





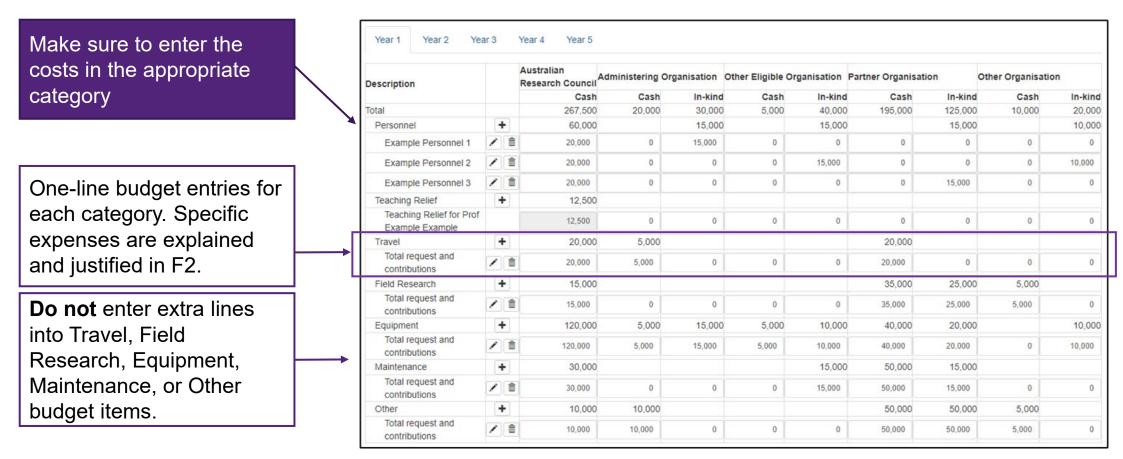
F1 Project Costs - RMS





F1 Project Costs - RMS

The information required in the LP23 budget has been simplified to a **one-line budget entry** for Travel, Field Research, Equipment, Maintenance and Other headings





F1 Project Costs – UQ specific

Earmarked Stipend:

- The University is pledging one centrally supported Earmarked PhD stipend for a student whose project is aligned with a successful LP23 application, subject to the <u>UQ Graduate School conditions</u>.
 - 4-year projects: include a 3.5-year PhD stipend contributed by UQ at \$32,192 per year (\$2023); in year 4 use \$16,096.
 - 3-year projects: enter \$32,192 for the three years.

Cash Commitments:

 UQ R&I must receive confirmation in writing (email) from the Head of School/Centre/Institute or Organisational representatives for any cash contributions (excluding the UQ Earmarked Stipend).



F1 Entering details - Personnel

- In the description, include: job title; FTE/number of hours/number of weeks; salary level; and '+ 30% oncosts'.
 - E.g. "Postdoctoral Researcher, 1.0 FTE, A8, + 30% on-costs."
- Ensure you are using the appropriate column
 - (i.e. the correct organisation type, and the correct contribution type cash vs. in-kind)
- The ARC uses different on-costs to the standard UQ rate. When budgeting salaries please use the <u>UQ</u>
 <u>LP23 Salary Scales</u> for the appropriate rate.
- For staff from other institutions, please seek relevant salary rate for that institutions, ensuring it is inclusive of 30% on-costs as required by the ARC.
- Please note that ARC cash cannot be used to cover the gap between ARC salaries and UQ salaries.



F1 Entering details Project Costs – Teaching Relief

Teaching Relief

- All CIs applying for Teaching Relief must answer 'Yes' at question E16 in their own Part E in order for this option to appear at F1.
- If a CI has answered Yes at E16, the following line will appear at F1:

Teaching Relief Requests										
Name	Year 1	Year 2	Year 3	Year 4	Year 5	Status				
Dr John Gunders	\$12,500	\$0	\$0	\$0	\$0	Pending	Add			

- Once you click '**Add**', the teaching relief will auto-populate in your budget table as greyed out values based on answers in E16.
- No teaching relief should be manually added to the budget table



F1 Entering details Project Costs

Important:

For LP23, the budget form at F1 only requires individual line items to be entered in the Personnel and Teaching Relief sections. All other sections (Travel, Field Research etc) should enter **one line only giving the total amount for that section per year**. Details regarding the requested budget items and contributions making up this total amount should be provided in F2 (Justification of funding required from the ARC) and F3 (Details of non-ARC contributions) as appropriate.

Travel

- Travel costs up to \$20,000 per year of the project may be requested
- Travel and accommodation costs related to carrying out *Field Research* or any carers' costs are not included in this \$50,000 limit.



F1 Entering details Project Costs

Equipment

- Use quoted <u>Equipment</u> costs, not estimates and keep the quotes on file.
- Laptops and computers are considered basic equipment and <u>should not be applied for under ARC</u> funding, unless the laptop can be strongly justified in E2 to be infrastructure of a more specialist nature, for example, a special fit-out for the purposes of fieldwork or advanced processing.

Maintenance

The Maintenance section should be used to cover consumables.

Other

- May include reasonable <u>essential extraordinary costs</u> to allow a participant who is a carer, or who
 requires care/assistance, to undertake travel essential to the project; and
- For <u>publication fees</u> ensure these are consistent with planned communication outputs outlined in D1.
- Expert services and web hosting/development costs may also be included as Other.



F2 Justification of ARC funding

Please consider the following points when crafting your F2:

UQ R&I have provided a <u>template</u> that includes requirements for F2.

- It MUST not exceed 4 pages
- You must use the ARC headers. We recommend that if you do not have a line item under a category (i.e., *Other*), you keep the heading in the document with N/A on the line below the heading.
- Line items should be presented in the **order that they are presented** in the F1 budget to enable ease of cross referencing between F1 and F2 for the assessors.
- It is important to use this section to address the **Feasibility criterion**. Detail both the **need** for the item, and how you estimated the **cost** of that item.
- For non-itemised consumables you may wish to justify in terms of typical lab costs or costs of similar projects.
- **Noting the year** each budget line is requested in (i.e. Year 1, Year 2, etc.) helps reviewers more easily cross reference with F1.



F2 Justification of ARC funding – Personnel

- Justify what the person will do and how that matches their requested level (PhD student, HEW level, academic level etc.); the FTE required; and the years you have requested them in.
- Provide detail around the **skill set required, role, time period and salary level** why has that academic/HEW level been selected, why at that FTE, why in those years
- Refrain from naming specific personnel for roles. As per UQ's Recruitment and Selection policy, UQ
 aims to provide an equitable, systematic and consistent approach to recruitment and selection. Named
 personnel could be suggested in the F2 but only in special circumstances e.g. '<candidate name>
 would be an ideal candidate for the position given their expertise in <...>.'

Note that 30% on-costs must be budgeted in line with the ARC's requirements.



F2 Justification of ARC funding – Teaching Relief

- Requests for Teaching Relief will be scrutinised closely by the ARC. In making a budget defence, it is important to justify the relief in terms of how it will allow you to achieve a successful outcome for the project (i.e. the 'value-add'), rather than in terms of the undesirability of a heavy teaching workload. Examples might include a field site that can only be accessed at a specific time of year and for a specific period of time; or time critical aspects of the research program that would materially benefit from accelerated activity (enabled by the Teaching Relief).
- Ensure that the % of teaching relief requested is commensurate with the justification of time for the budget.



F2 Justification of ARC funding – Travel

- Justify the need (how will the travel benefit the DP project, what will the outcomes be). For
 example, mention could be made of the advantages of presenting the research at key
 national/international conferences or the need for access to specialist facilities elsewhere.
- Justify and breakdown the total trip cost. For example, 'Total costs are based on a return economy airfare between Brisbane and London of \$x and indicative accommodation and subsistence for five days at \$y per day' to attend X conference.

Travel allowance rates are accessible at <u>UQ Travel</u>



F2 Justification of ARC funding – Field research

Definition of **Field Research**: the collection of information integral to the Project outside a laboratory, library or workplace setting and often in a location external to the researcher's normal place of employment. The main purpose of any travel designated as field research must be to carry out the research (collect data, conduct interviews etc).

Justify both the need (why do you need to do this field research) and the cost (how did you reach the
cost; includes technical and logistical support, travel, and accommodation costs) of fieldwork expenses.



F2 Justification of ARC funding – Equipment

- Justify why you **need** the equipment for the project, not just the **cost**. Describe how new equipment (including hardware such as specialised computer computing and software costs) will be used.
- Make clear that the cost is quoted and is not an estimate. Include the supplier, quote price and make/model of the equipment where practicable.
- Requests for expensive items of equipment need particularly strong justification, such as the importance of the equipment to the research proposed and demonstrate that access to such equipment housed elsewhere is not practical.
- In justifying your request for expensive equipment, it should be demonstrated:
 - UQ does not already have the equipment; or
 - If UQ does have the equipment, the user load being experienced on the equipment; or
 - Access to such equipment housed elsewhere is not practical.
- Be wary of introducing any concerns that the equipment may be for broad general use



F2 Justification of ARC funding – Maintenance

- The Maintenance section should be used to detail need and cost consumables.
- Can includes consumables and items related to equipment maintenance.
- Do not include purchasing of computer equipment or hiring personnel for data preparation or programming, which should be included under 'Equipment' or 'Personnel'.
- Ensure no ineligible items are requested
 - E.g., bench fees or similar laboratory access fees; capital works and general infrastructure costs



F2 Justification of ARC funding – Other

- Only includes items that cannot be appropriately placed in other categories.
 - E.g. carer's costs, expert services of a third party, publication and dissemination costs, web hosting and development specific to the project, workshops, focus groups and conferences that are essential for the conduct of the project etc.
- For <u>publication fees</u> ensure these are consistent with planned communication outputs outlined in D1.
- May include reasonable <u>essential extraordinary costs</u> to allow a participant who is a carer, or who
 requires care/assistance, to undertake travel essential to the project; and
- <u>Expert services</u> and <u>web hosting/development costs</u> should be well justified and explained why this can't be done by the participants on the application.



F3 Details of non-ARC contributions

Please consider the following points when crafting your F3:

- It must not be more than 2 pages.
- Use this section to address the Feasibility criterion; make sure that F3 details how the items will contribute to the project, and that you have the required facilities for the project.
- As with F2, keep your line items in order presented in the F1 budget (when viewing your application PDF) to enable ease of cross referencing between F1 and F2 for the assessors.
- Noting the year each budget line is requested in (i.e. Year 1, Year 2, etc.) helps reviewers
 more easily cross reference with F1;
- You **must use the ARC headers**. We recommend that if you do not have a line item under a category (i.e. *Other*), you keep the heading in the document with N/A on the line below the heading.

UQ R&I have provided a <u>template</u> detailing the requirements for this document.



F3 Details of non-ARC contributions – Cont'd

Personnel:

- All CI/PI and non-ARC funded personnel must be justified under *Personnel*, even if there was no monetary value listed at F1 (i.e. a CI on an emeritus position);
- justify what the person will do and how that matches their level (PhD student, HEW level, academic level etc.);
- note that 30% on-costs have been budgeted in line with the ARC's requirements;

PhD stipends:

Use LP23 template PhD stipend text verbatim as follows:

"Demonstrating its commitment to capacity building for this Grant, UQ is pledging new central support in the form of one PhD scholarship for a suitably qualified student whose project is aligned with the successful application, subject to the standard UQ conditions for Earmarked PhD scholarships. The stipend has a cash value of \$32,192 per annum (2023\$) for 3.5 years, with one possible six-month extension." [optional:] "This will <...applicant to insert possible comments about likely topic area/s and how this builds capacity around the project and accelerates research etc...>"



Part G – Partner Organisation Details

This part needs to be completed for each Partner Organisation on the application.

G1 Organisation contact details: Make sure details match those in G2

G2 Letter of Partner Organisation Certification (see next slide)

G3 Is this a Partner Organisation whose funds are appropriated predominantly from Commonwealth or Australian State or Territory Government funding sources for the purposes of research? Make selection.

G4 Type of Partner Organisation

- Exempt Partner Organisations includes Exempt Archive and Public Record Office, an Exempt Charity, an Exempt
 Herbarium, an Exempt Museum and Collecting Organisation, an Exempt Non-Profit Organisation, an Exempt Small
 Business or an Exempt Start-up. Please see page 17-18 of Grant Guidelines for details.
- PO should indicate which exempt organisation they are in PO certification letter, but if unsure that is accurate, contact the CI to seek written clarification from the PO regarding eligibility for a category and keep this on file.

For Charities, please check they are registered at https://www.acnc.gov.au/charity/charities.



G2 Letter of Partner Organisation Certification

- Each letter must not be more than 2 pages.
- Must be in A4 format, not US letter.
- Must include Application RMS ID number
- Ensure the Partner Organisation name in the certification matches A3.
- Please ensure all cash and in-kind contributions exactly match those shown at Part F.
- Mandatory certification text must be included verbatim
- Can include additional information such as:
 - A brief profile of the Partner Organisation
 - Details regarding how the project aligns with the Partner Organisation's strategic objectives
 - Partner Organisation's expectations about industry outcomes, products and/or market value, where relevant
 - Details/information of the Cash and/or In-Kind Contributions from the Partner Organisation for the project.

UQ R&I have provided a <u>template</u> and <u>checklist</u> detailing the requirements for this document.



LP23 – UQ R&I Useful Information

UQ R&I LP Webpage

 https://www.uq.edu.au/research/research-support/research-management/fundingschemes/australian-research-council-arc/arc-linkage-projects

UQ R&I Linkage and Industry Team

• <u>linkage@research.uq.edu.au</u>

UQ Liaison Librarians

https://web.library.uq.edu.au/library-services/liaison-librarians

UQ R&I Library of Successful Grants

http://www.uq.edu.au/research/forms/render.php?form=grants-library/request



Resources available on <u>UQ R&I LP Webpage</u>

UQ documents

- LP23 Instructions to Applicants UQ Tips
- UQ LP23 Application Coversheet (UQ led projects)
- UO LP23 ARC Certification Form
- UQ LP23 Funding Application Coversheet (externally led projects)
- UQ LP23 Pending and newly funded ARC grants
- UQ LP23 Indicative Salary Scales
- UQ LP23 Information Session slides

Templates

- D1 Project Description Template
- E4 ROPE Research Load Template
- E10 ROPE PI CV Template
- E14 ROPE Academic CI Template
- F2 ARC Funding Justification Template
- F3 Non-ARC Contributions Template
- G2 Letter of Partner Organisation Certification Template
- G2 PO Certification Checklist

Additional Resources

- National Interest Test Writing Guide
- Partnering in ARC Linkage
- ARC Tips and Tricks for Industry Collaboration

Available at https://www.uq.edu.au/research/research-support/research-management/funding-schemes/australian-research-council-arc/arc-linkage-projects



Faculty and Institute Contacts

Faculties

BEL - Meredith Downes (07) 344 31285 research@bel.uq.edu.au

EAIT - Kimberley Nunes (07) 336 51107 research@eait.uq.edu.au

HABS - Sharon Doyle (07) 334 67002 habs.research@uq.edu.au

HASS - Rachel Smith (07) 334 61621 research@hass.uq.edu.au

Medicine – Anne Louise Bulloch (07) 334 65315/441 med.research@uq.edu.au

Science - Andrea Belcher (07) 334 32310 science.research@uq.edu.au

<u>Institutes</u>

AIBN – Jane Mooney (07) 334 64497 aibngrants@uq.edu.au

CAI – Rachael Birks (07) 336 54235 research-admin@cai.uq.edu.au

IMB - Michelle Foley (07) 334 62131 m.foley@imb.uq.edu.au

ISSR - Suzanne Brangwin (07) 334 31031 issr.research@uq.edu.au

MRI – UQ – John Baisden (07) 316 36301 research.grants@mater.uq.edu.au

Farhana Matin – (07) 316 32697 research.engagement@mater.uq.edu.au

QBI - Sylvie Pichelin (07) 334 66399 s.pichelin@uq.edu.au

QAAFI - Cameron Doig (07) 334 62171 gaafirgadmin@uq.edu.au

SMI - Tash Winters (07) 334 64073 <u>t.winters@uq.edu.au</u>

Work with your mentors and seek peer review.

UQ R&I wishes you the best of luck!