

PdCCRS Questions
Priority-driven Standard
Project Grants 2018 - Childhood
Cancers of Low Survival Research
Priorities

Application for Cancer Australia and its Funding Partners' PdCCRS
Priority-driven Standard Project Grants – Childhood Cancers of Low Survival
Research Priorities commencing 2019

Instructions

- This *PdCCRS Questions* form is to be completed by applicants seeking to apply for funding from the 2018 round of the PdCCRS Priority-driven Standard Project Grants – Childhood Cancers of Low Survival Research Priorities.
- This *PdCCRS Questions* form is **NOT** for Standard Project Grants – All Cancers Research Priorities
- This *PdCCRS Questions* form is **NOT** for Young Investigator Project Grants - All Cancers Research Priorities.
- This *PdCCRS Questions* form is **NOT** for Young Investigator Project Grants - Childhood Cancers of Low Survival Research Priorities.
- This form is to be submitted to Cancer Australia as a **separate PDF file** from your NHMRC *Grant Proposal* PDF file.
- The file name must be: '[App ID]_CancerAustralia_PdCCRSQs_[CIA Family Name].pdf' eg '123456_CancerAustralia_PdCCRSQs_Smith.pdf'

Please submit *PdCCRS Questions* forms to grants@canceraustralia.gov.au by 5:00pm AEDT 14 March 2018

- Please insert your NHMRC application ID and CIA surname in the header
- For Yes / No answers, please place an '**X**' to the left of the preferred option(s)

IMPORTANT INFORMATION

- **The PdCCRS Questions are compulsory.** A written response addressing each *PdCCRS Question* must be provided. Any application that does not respond to a *PdCCRS Question* or indicates that any *PdCCRS Question* is 'not applicable'/'not relevant' (or equivalent wording) or uses the response to a *PdCCRS Question* to justify why the proposed project does not include any of the elements (i.e. outcomes and impact, collaboration, translation or consumer involvement), will be **deemed ineligible** for funding through the Priority-driven Collaborative Cancer Research Scheme and **will not** be reviewed by Cancer Australia and/or its Funding Partners.
- The *PdCCRS Questions* will be **assessed independently** of the rest of the grant application (including the *Grant Proposal* submitted to NHMRC and the Cancer Council Supplementary Questions). Responses to the *PdCCRS Questions* should be written so they can be read without reference to the *Grant Proposal* because reviewers may not have access to these documents when assessing the *PdCCRS Questions*.
- Answers should take into consideration that reviewers may not have expertise in the specific field of the proposed research.
- Reviewers are instructed to base their assessment of each *PdCCRS Question* strictly on the response provided by the applicant to that *PdCCRS Question* and not to use information provided in the response to another *PdCCRS Question/s*.
- Responses to *PdCCRS Questions* must be provided in text boxes provided. Responses must be in **Arial 10 point font**.
- The character limit provided for the response to each *PdCCRS Question* must be strictly adhered to. **Text which exceeds the specified character limit will not be reviewed.**

PART 1 – Project details and eligibility

A. Chief Investigator A (CIA) – details					
Application ID					
Name		Title			
Institution					
Institution Address		State		Postcode	
Mobile No		Telephone No			
Email					
<i>Note the CIA is responsible for managing the collaboration and reporting to Cancer Australia</i>					
B. Administering Institution - details					
Please include name and department address of Research Admin Officer (RAO)					
Name of RAO					
Department					
Institution					
Address					
Suburb		State		Postcode	
Telephone no.		Email			
C. Scientific Title and plain English description of your project					
Please ensure:					
<ul style="list-style-type: none"> The Scientific Title of your project is the same title as used on your NHMRC application form. The plain English description of your project does not exceed 4-5 lines (not including title). You may utilise the short plain English description provided to the NHMRC to answer this question. 					
Scientific title here Plain English description here (4-5 lines)					

D. (i) Please provide a one page synopsis of your research project

(you may insert text from your NHMRC synopsis however please note that reviewers may not have expertise in the specific field of the proposed research – highly technical language is not advised) **limit: 2000 characters (including spaces)**

D. (ii) Is the proposed project a cancer clinical trial?	
	Yes - answer Question D (iii)
	No - go to Question E
D. (iii) Is the proposed project a new cancer clinical trial?	
	Yes - answer Question D (iv)
	No - answer Question D (iv)
<p>D. (iv) For both new and existing cancer clinical trials, describe what the funding requested through the PdCCRS will be specifically used for. For existing clinical trials, please further describe how the funding requested is <u>different</u> to previously awarded funding and whether the additional funding will result in completion of the trial.</p> <p>limit: 1000 characters (including spaces)</p>	

E. Which research priority area/s does your grant application relate to?

- Place an **X** to the left of **ALL** research priority area/s that are relevant and directly relate to your grant application.

Cancer Australia and its Funding Partners will consider co-funding successful grant applications. Applicants are encouraged to review the list of research priority area/s and to select **ALL** research priority area/s that **DIRECTLY** relate to the proposed research project.

When applying for funding offered by a Funding Partner in the 2018 Round of the PdCCRS, applicants **MUST**:

- Ensure their research project aligns with **at least** one research priority area of Cancer Australia and/or its Funding Partners.
- Ensure the research project can be conducted within the **duration and the funding limit**.

Cancer Australia: Childhood cancers of low survival**Cancer Australia's research priorities in childhood cancers of low survival**

Towards increasing survival from childhood cancers through a better understanding of the causes of childhood cancers, their improved diagnosis and more effective treatments, Cancer Australia's research priorities in childhood cancers of low survival address the following cancer types and research focus areas:

Localised and advanced disease for any of the following cancers of low survival in children (0-14 years)*

- | | |
|--|---|
| | <ul style="list-style-type: none"> Brain and CNS tumour types – astrocytomas, ependymomas and choroid plexus tumours, intracranial/intraspinal embryonal tumours, and other gliomas, such as DIPG; |
| | <ul style="list-style-type: none"> Hepatoblastoma; |
| | <ul style="list-style-type: none"> Leukaemia type - acute myeloid leukaemia; |
| | <ul style="list-style-type: none"> Sarcoma types - Ewing tumours & related bone sarcomas; fibrosarcomas & other fibrous neoplasms, osteosarcomas; and rhabdomyosarcomas; |
| | <ul style="list-style-type: none"> Sympathetic nervous system tumour types - neuroblastoma and ganglioneuroblastoma. |

Molecular drivers of childhood cancer (Common Scientific Outline categories of Biology and Aetiology)

- | | |
|--|---|
| | <ul style="list-style-type: none"> alterations in chromosomes, oncogenes and tumour suppressor genes, such as fusion oncoproteins; |
| | <ul style="list-style-type: none"> endogenous factors in the origin and cause of cancer, such as genes and/or genetic polymorphisms and hereditary predisposition. |

Novel approaches to diagnosis and treatment (Common Scientific Outline categories of Early Detection, Diagnosis, and Prognosis, and Treatment)

Pre-clinical and trials-based collaborative studies, including:

- | | |
|--|--|
| | <ul style="list-style-type: none"> genomics-based strategies, such as the use of molecular classification in diagnosis, treatment stratification, and identifying of new therapeutic targets to overcome resistance to conventional treatments; |
| | <ul style="list-style-type: none"> development of immune-based therapies, such as adoptive cellular therapies, antibody or antibody-conjugated therapies; |
| | <ul style="list-style-type: none"> development of molecular target-based therapies, such as the targeting of fusion oncoproteins. |

** 0-14 years of age is the definition of a child used by the Australian Paediatric Cancer Registry and Cancer Research UK, and is consistent with a definition of <15 years of age used by the American Cancer Society.*

The Kids' Cancer Project

The Kids' Cancer Project is seeking to support collaborative research which will have the greatest impact on childhood cancer survival.

The Kids' Cancer Project defines a child as an individual up to the age of 18 years old

Research will be funded under the following categories:

Priority 1: Improving survival and treatments

Improving treatments for childhood cancer will have a direct impact on survival rates. The Kids' Cancer Project will gain an understanding of best practice and emerging technologies spanning all modalities of treatment. The Kids' Cancer Project will support research with this focus as a top priority.

Priority 2: Late effects

Two-thirds of survivors report at least one chronic medical condition and one-third report at least one severe or life threatening medical condition. Long term effects include learning difficulties, organ toxicity, growth and hormonal deficiencies, infertility and secondary cancers. The Kids' Cancer Project places importance on the ongoing quality of life of survivors of childhood cancer and will invest in research to better elucidate this.

F. Research in identified research priority area/s

- List the applicable research priority area/s selected at Item E (above)
- Use a separate box for each selected research priority area
- Insert the name of the Funding Partner to whom the research priority area/s relate
- Justify how your research **directly relates** to each of these selected research priority area/s (**the limit for addressing all nominated research priority areas is 2000 characters (including spaces).**

Please note: if your research project does not clearly align with the selected research priority area/s, the Funding Partner is under no obligation to consider your project for funding

Your response to this question will determine your eligibility for funding by Cancer Australia and/or its Funding Partners.

Research priority area/s: <i>(insert priority)</i> Funding Partner: <i>(insert Funding Partner)</i>
Discuss the direct alignment of your project with the research priority area indicated
Research priority area: <i>(insert priority)</i> Funding Partner: <i>(insert Funding Partner)</i>
Discuss the direct alignment of your project with the research priority area indicated

Add more boxes (rows) as required to address each selected priority area/s.

G. Application submitted to other funding organisations

(i) Have you submitted this grant application to Cancer Australia and its Funding Partners and/or to the NHMRC and/or the Cancer Council?

	No This grant application has been submitted for consideration to Cancer Australia and its Funding Partners only.
	Yes This grant application has been submitted for consideration of funding to Cancer Australia/its Funding Partners and the NHMRC and/or Cancer Council.

(ii) Have you also submitted this grant application to another funding agency/organisation not including Cancer Australia and its Funding Partners and/or to the NHMRC and/or the Cancer Council?

	No This grant application has not been submitted to another funding agency/organisation	
	Yes: This grant application has also been submitted to:	Name of other funding agency/organisation:

Important information

- Applicants **cannot** receive funding from Cancer Australia its Funding Partners and the NHMRC/Cancer Council for the same research project.
- Applicants **cannot** receive funding from Cancer Australia/its Funding Partners and another funding organisation/s for the same research project.
- After the assessment process is completed, the NHMRC, Cancer Australia and Cancer Council will work together to identify which grant applications applying to each organisation/s will be funded by the NHMRC or Cancer Australia and/or Funding Partners or Cancer Council
- Under s 136.1 of the Commonwealth Criminal Code, it is an offence to provide false or misleading information to a Commonwealth body in an application for a benefit, punishable by up to 12 months imprisonment. In addition, if an application contains information that is false or misleading, it may be excluded from any further consideration for funding. The Commonwealth Government is committed to protecting its revenue, expenditure and property from any attempt, either by members of the public, contractors, sub-contractors, agents, intermediaries or its own employees to gain financial or other benefits by deceit.
- If the NHMRC/Cancer Australia believes that omissions or inclusion of misleading information are intentional, it will refer the matter for appropriate legal action.

H. Budget

Please provide details of the budget requested for each year of the planned project over the duration of available funding.

Note: If you are applying to the NHMRC and/or Cancer Council as well as to Cancer Australia or Funding Partners, then your NHMRC Project Grant application may request a budget larger than the amount offered by Cancer Australia or Funding Partners. If so, you will need to complete the *Budget Modification* section (below) describing **how your budget has been modified** to meet the funding limit of Cancer Australia and Funding Partners.

If you are modifying your budget to fit within the PdCCRS budget limits, completion of the *Budget Modification* section of this question is **COMPULSORY**.

The *Budget Modification* **must** address how the following items in the application to NHMRC and/or Cancer Council have been amended to meet the funding limit of Cancer Australia and Funding Partners:

- support for personnel engaged in the conduct of the research;
- direct research costs; and
- equipment costs necessary to conduct the research.

NB total equipment costs for the project cannot exceed \$80,000 across the entire funded project period

Applications will be deemed **ineligible** if justification for the budget modification is not provided.

The total budget for:

- A three year project grant **must not exceed a total of \$600,000 GST exclusive over three years** and **must not exceed \$200,000 GST exclusive by 20%** in any one year.
- A two year project grant **must not exceed a total of \$400,000 GST exclusive** over two years and must not exceed \$200,000 GST exclusive by 20% in any one year.
- The total budget for a one year project **must not exceed \$200,000 GST exclusive**.

Applications that exceed these amounts will be considered **ineligible** for funding by Cancer Australia and its Funding Partners.

Project grant amount requested	Year 1	Year 2	Year 3	Total

Budget modification

If this application has been submitted for consideration for funding to Cancer Australia/ its Funding Partners and NHMRC and/or Cancer Council, was the proposed budget within the limit specified by Cancer Australia and its Funding Partners?

	Yes
	No

If No, the budget and the research project must be modified to be in line with the funding provided by Cancer Australia and its Funding Partners.

Please **describe** below how the project will be amended to accommodate the modified budget (1000 characters maximum). Be sure to include the line items from your NHMRC project budget requiring modification for the amended project plan - the original and revised figure should be clearly shown. Please ensure that the modified budget is provided in the budget categories listed

above.

I. Additional funding opportunities

(i) If your application is unsuccessful, do you provide permission for Cancer Australia to pass on your **contact details** (in confidence) to other research funders for consideration of funding?

Yes

No

(ii) If your application is unsuccessful, do you provide permission for Cancer Australia to pass on your **application** (in confidence) to other research funders for consideration of funding?

Yes

No

J. Conflicts of Interest

A conflict of interest may exist, for example, if the applicant or any of its personnel:

- Has a relationship (whether professional, commercial or personal) with a party who is able to influence the application assessment process;
- Has a relationship with, or interest in, an organisation, which is likely to interfere with or restrict the applicant in carrying out the proposed activities fairly and independently; or
- Has a relationship with, or interest in, an organisation from which they will receive personal gain as a result of the granting of funding under the Priority-driven Collaborative Cancer Research Scheme?

Do you have a conflict of interest to declare?

Yes

No

If yes – please specify

K. Agreements

Please indicate your agreement to comply with the following conditions by selecting Yes or No. Failure to comply may deem your project ineligible for funding through the Priority-driven Collaborative Cancer Research Scheme.

Yes/No	By submitting this application, the Administering Institution is willing to comply with the terms and conditions outlined in the PdCCRS Funding Agreement
Yes/ No	By submitting this application the Administering Institution is willing to comply with

	Clause 21– Compliance With Law in the funding agreement it may enter into with Cancer Australia and also adhere to the Protection of Personal Information requirements.
Yes/No	I agree to use the funds to undertake activities as outlined in this research proposal and not for activities that do not relate directly to this application, without prior approval from Cancer Australia.
Yes/No	<p>I acknowledge that I am ineligible for funding, or funding may be terminated, if I am:</p> <ul style="list-style-type: none"> • an applicant for, or in receipt of funds from, the tobacco industry or organisations deemed by Cancer Australia to be associated with the tobacco industry, regardless of whether the funds are received directly, through collaborators or by other means; • employed in a research institute or organisation or, in the case of universities, Faculty or School that allows applications or receives funds from the tobacco industry, whatever the use of those funds may be; or • employed in a University that accepts funds from the tobacco industry for health related research or services, wherever in the University that research may be done or those services supported.
Yes/No	I acknowledge that if my application is successful, my name, the name of my Administering Institution, the title of my project and amount of funding may appear on the websites and may be used in media releases and other reports/publications by Cancer Australia and its Funding Partners, and my details may be used for Cancer Australia's reporting purposes and on the International Cancer Research Partnership (ICRP) database.

L. Common scientific outline

The Common Scientific Outlines at Item L are the result of collaborative effort between the NCI in the US, the NCRI in the UK, and their partners. It is a classification system organised around seven broad areas of scientific interest in cancer research, plus subgroups. Full category descriptions are available at <https://www.icrpartnership.org/cso>

Which category of research best describes your grant application?

Place an 'X' against a maximum of **two** categories which are applicable to this research, and also indicate with * the **one** category which best describes the main research focus of your project.

Biology

	1.1	Normal functioning
	1.2	Cancer initiation: Alterations in chromosomes
	1.3	Cancer initiation: Oncogenes and tumour suppressor genes
	1.4	Cancer progression and metastasis
	1.5	Resources and infrastructure

Aetiology

	2.1	Exogenous factors in the origin and cause of cancer
	2.2	Endogenous factors in the origin and cause of cancer
	2.3	Interactions of genes and/or genetic polymorphisms with exogenous and/or endogenous factors
	2.4	Resources and infrastructure related to aetiology

Prevention

	3.1	Interventions to prevent cancer: Personal behaviours (non-dietary) that affect cancer risk
	3.2	Dietary interventions to reduce cancer risk and Nutritional science in cancer prevention
	3.3	Chemoprevention and other medical interventions
	3.4	Vaccines
	3.5	Complementary and alternative prevention approaches
	3.6	Resources and infrastructure related to prevention

Early Detection, Diagnosis, and Prognosis

	4.1	Technology development and/or marker discovery
	4.2	Technology and/or marker evaluation with respect to fundamental parameters of method
	4.3	Technology and/or marker testing in a clinical setting

	4.4 Resources and infrastructure related to detection, diagnosis, or prognosis
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Treatment

	5.1 Localised therapies – Discovery and development
	5.2 Localised therapies – Clinical applications
	5.3 Systemic therapies – Discovery and development
	5.4 Systemic therapies – Clinical applications
	5.5 Combinations of localised and systemic therapies
	5.6 Complementary and alternative treatment approaches
	5.7 Resources and infrastructure related to treatment and the prevention of recurrence

Cancer Control, Survivorship, and Outcomes Research

	6.1 Patient care and survivorship issues
	6.2 Surveillance
	6.3 Population based behavioural factors
	6.4 Health services, economic and health policy analyses
	6.5 Education and communication research
	6.6 End-of-Life care
	6.7 Research on ethics and confidentiality
	6.8 Resources and infrastructure related to cancer control, survivorship, and outcomes research

PART 2 – Assessable criteria

- Responses to Questions 1-4 in PART 2 of the *PdCCRS Questions* form are assessed by Cancer Australia and Funding Partners' Grant Review Committees
- Scores assigned to Questions 1-4, together with the scores received by the NHMRC, are weighted and combined to provide a single final score. Applications are ranked by this final score and funding is assigned in merit-based rank order until the available budget is expended

Question 1 - Outcomes and impact (25% of final score)

- Identify the **potential direct outcomes** of this research project and describe exactly how the outcomes of this project will **impact** on cancer care/ control in Australia
- Describe how the outcomes, including short, medium and long term outcomes, will lead to changes in practice/ care/ policy and improve outcomes for people affected by cancer.
- Describe how this project or the outcomes of this project will impact populations with poorer cancer outcomes within the community, such as Aboriginal and Torres Strait Islander peoples and those living in particular socioeconomic status areas and geographic locations.

Limit: 4000 characters (including spaces)

Direct outcomes of this research and **impact** on cancer care/control:

Short/ medium/long term outcomes and how they will lead to changes in practice/care/policy:

Impact on populations with poorer outcomes such as Aboriginal and Torres Strait Islander peoples and those living in particular socioeconomic status areas and geographic locations.

Question 2 - Translation of the results generated from this project (10% of Final Score)

- Discuss the approaches and methodologies to be employed to translate the findings of this research into practice, policy, and/or further research in order to impact on cancer control and/ or cancer care.
- Discuss your research collaboration's **direct involvement** in translating the research finding from this project and specify what future collaborations or groups will be need to be involved to translate the findings of this research and how these groups will be identified and engaged.

Limit: 4000 characters (including spaces)

Question 3 - Collaborations in this project (15% of final score)

In the table below, please indicate with an 'X' the types of collaboration/s involved in the conduct of this research project. (Select all that apply)

	National/multi-state collaboration of the key researchers in this field
	Cross-disciplinary collaboration
	Multi-site collaboration
	Collaboration involving public and private institutions/hospitals
	International collaborations
	Other – please specify

Please outline the key collaborators (including your own details) in this project in the table below (add additional rows as required)

Name of the collaborator or group	Indicate whether the collaborator is CI or AI	Discipline/ area of expertise	Name of institute/hospital	State	Explain their role and additional value they bring to this collaboration

Justify why the specified collaboration is required for this project. Explain how it engages all relevant disciplines and describe how the collaboration will operate during the conduct of this project.

Please note applications must include collaboration, and failure to describe any collaboration at this question will deem an application ineligible.

Limit: 4000 characters (including spaces)

Question 4 - Involvement of consumer representatives (10% of final score)

Please refer to the "Priority-driven Collaborative Cancer Research Scheme 2018 Rules for Standard Project Grant Applications - Childhood Cancers of Low Survival Research Priorities" for additional guidance.

- Please outline consumer involvement in the project design and ongoing consumer involvement throughout the life of **this** project, including the specific roles/activities that the consumer representative/s will undertake.

In answering this question please describe if/how consumers have been engaged to date (e.g. in the design or planning of the research project) how they will be engaged through the duration of this project and explain how this level of consumer engagement is appropriate for the proposed research.

- Please note applications **must include consumer involvement**. Failure to describe consumer involvement at this question will deem an application **ineligible**.

Limit: 4000 characters (including spaces)

Checklist

Please complete this checklist before submitting your *PdCCRS Questions* form to Cancer Australia

Before you begin

- ☐ Read all information in the *Priority-driven Collaborative Cancer Research Scheme 2018 Rules for Standard Project Grant Applications - Childhood Cancers of Low Survival Research Priorities*
- ☐ Ensure that you read and understand the assessment criteria for applications to the PdCCRS Priority-driven Standard Project Grants
- ☐ Understand that by submitting an application, your Group/ Organisation is agreeing to adhere to the PdCCRS Funding Agreement should you receive funding

Completing your application

Ensure that in completing your application you have:

- ☐ Used the correct *PdCCRS Questions* Form for the 2018 PdCCRS
- ☐ Answered **all** *PdCCRS Questions* and ensured answers make use of the maximum character limit specified but do not exceed the specified length

Submitting your application

- ☐ Ensure you have entered the minimum data into RGMS by 5:00pm AEDT 14 February 2018
- ☐ Check that ALL relevant sections of the *PdCCRS Questions* Form are complete
- ☐ Ensure that the Budget is within the stipulated limit and provide justification if the budget is less than that requested in your NHMRC and/or Cancer Council Project Grant Application
- ☐ Submit one complete **electronic copy** of your *PdCCRS Questions* Form in PDF format

End of *PdCCRS Questions* form