

Background

Applicant Information

(Carefully read the instructions before completing this form)

1. Applicant Information

Your User Profile information appears below however this section should indicate where the research described within this proposal will take place (change as necessary). NOTE: Your User Profile is always considered your current mailing address. The address listed here will be used to advise you of the outcome of this competition only.

- | | | | | | |
|-------------------|----------|--------------------------|--------------------------|--------------------------|----------------------------|
| a. Applicant Name | Title | <input type="radio"/> Dr | <input type="radio"/> Mr | <input type="radio"/> Ms | <input type="radio"/> Prof |
| b. Institution | | | | | |
| c. Department | | | | | |
| d. Address 1 | | | | | |
| e. Address 2 | | | | | |
| f. Address 3 | | | | | |
| g. Address 4 | | | | | |
| h. Country | | | | | |
| i. City | Province | | | Postal Code | |
| j. Phone | Ext | | | Fax | |
| k. e-Mail Address | | | | | |
| l. Designation | | | | | |

2. Project Information

The title entered when the application was created is indicated. Please avoid typing in ALL CAPS. In addition, ensure the end date of your project is updated.

- | | | | |
|-----------------------------------------------------------------------------------------------------------|-------------------------------------------|--------------------------|--|
| a. Project Title | | | |
| b. Is Financial Institution the same as the Research Institution? (Please select Yes or No) | <input type="radio"/> Yes | <input type="radio"/> No | |
| c. If No, provide Financial Institution name | | | |
| d. Project Start Date | End Date | | |
| e. Amount of Funds Requested | Project Cost | | |
| f. Type of application | | | |
| | <input type="radio"/> Initial Application | | |
| g. Indicate that one year of support is requested | | | |
| h. Is this application being submitted in French? (Note that all review panels are conducted in English.) | <input type="radio"/> Yes | <input type="radio"/> No | |

3. Contact Information

Enter any Co-Principal Investigator, Co-Applicant, Additional Author, Patient/Survivor/Caregiver, Knowledge User and Collaborator information as applicable to your application. Provide full addresses, including department name/affiliation for each participant. Use the lookup feature and enter their e-mail address in the field provided as the search criteria. The form will be auto-populated with their contact information as it appears in their user profile. If they do not have a profile, enter the details as required. CVs and collaboration letters are not required at the abstract registration stage.

a. Additional Author

Name

Title

Institution

Department

Address 1

Address 2

Address 3

Address 4

Country

City

Province

Postal Code

Telephone

Fax

E-Mail Address

b. Co-Applicant

Name

Title

Institution

Department

Address 1

Address 2

Address 3

Address 4

Country

City

Province

Postal Code

Telephone

Fax

E-Mail Address

c. Collaborator

Name

Title

Institution

Department

Address 1

Address 2

Address 3

Address 4

Country

City

Province

Postal Code

Telephone

Fax

E-Mail Address

d. Co-Principal Investigator

Name

Title

Institution

Department

Address 1
 Address 2
 Address 3
 Address 4
 Country
 City Province Postal Code
 Telephone Fax
 E-Mail Address

e. Financial Officer

Name
 Title
 Institution
 Department
 Address 1
 Address 2
 Address 3
 Address 4
 Country
 City Province Postal Code
 Telephone Fax
 E-Mail Address

f. Knowledge User

Name
 Title
 Institution
 Department
 Address 1
 Address 2
 Address 3
 Address 4
 Country
 City Province Postal Code
 Telephone Fax
 E-Mail Address

g. Patient/Survivor/Caregiver

Name
 Title
 Institution
 Department
 Address 1
 Address 2
 Address 3
 Address 4
 Country
 City Province Postal Code
 Telephone Fax
 E-Mail Address



Applicant info

4. Letters of support – from non-team members , e.g., access to a database

Attached letters of collaboration from non-team members. Include letters of permission to access resources such as databases or patient data.

5. Principal Investigator CV

Attach an up-to-date, abbreviated version of your CV (NIH-style biosketch) in PDF format. Consult the Application Guide for complete instructions, including the required format.

NOTE: For the file name, please use the following format:[lastname_firstname-CV].

CCS is not a member organization of the Common CV Network, therefore the Common CV should not be used due to Common CV use restrictions.

6. Justification for career interruptions – subtract period described when calculating career stage

Describe any career interruptions or delays that may have impacted your academic career and research productivity. Please include the start and end dates of each period described (yyyy/mm). Subtract period described when calculating career stage in the next section. If not applicable, please indicate this in the form. For COVID-related interruptions, simply state COVID-19 and indicate 2020/02 – 2021/09. COVID-related disruptions can be further described in the COVID-19 impact statement. Your justification should not exceed 1250 characters, including spaces.

7. Application and Career stage

This section is mandatory and plays no part in the review or funding of an application. The data is used for statistical and communication purposes only.

To account for impacts of the COVID-19 pandemic on the research community, applicants are asked to subtract 20 months (covering the period of Feb 2020 – Sept 2021) when calculating career stage. For example, if you started your academic appointment in September 2016, your career stage by the application deadline is New/Early Career (60 months (Sept 2016 – Sept 2021) – 20 months = 40 months).

Please indicate below if this is:

Your first application for a research grant to the Canadian Cancer Society Yes No

Your first application for a research grant specifically in the area of cancer research Yes No

Your first application for a research grant as an independent investigator Yes No

Please indicate your current career stage (please select one of the three options) - click "Show Instructions" for guidance on how to account for COVID-19-dependent delays when calculating career stage::

New/early career investigator: Any applicant who, at the time of registration, assumed his/her first independent academic position (e.g., faculty appointment) no more than 5 years ago (60 months).

Mid-career investigator: Any applicant who, at the time of registration, assumed his/her first independent academic position (e.g., faculty appointment) 5-15 years ago.

Senior investigator: Any applicant who, at the time of registration, assumed his/her first independent academic position (e.g., faculty appointment) more than 15 years ago.

SAMPLE

Public summary

10. Pillar

Please indicate the issue in cancer data in Canada that you intend to address (at least partially) in the project. CCS prefers that you indicate only one pillar, but multiple pillars may be selected if necessary.

Pillar: aspect of data improvement to be addressed in this project

- Accessibility
- Completeness
- Quality
- Timeliness
- Other

11. Need for project

What need (or challenge) – in research or health care – will be addressed by this project (i.e. what is the rationale)? (maximum 500 characters, including spaces). Note that the character count may be different when copying text from Word due to formatting.

12. Goal of project

What is the goal of this project – what are you hoping to achieve? (maximum 500 characters, including spaces). Note that the character count may be different when copying text from Word due to formatting.

13. Project description

How will you achieve this? Briefly describe steps you will take to address the challenge during and post-grant. (reminder: please use nontechnical language; (maximum 500 characters, including spaces). Note that the character count may be different when copying text from Word due to formatting.

14. Future impact

How do you think this project could/will ultimately have an impact on the cancer community (including researchers, patients, families, policy, and the public at large, as relevant)? (maximum 650 characters, including spaces). Note that the character count may be different when copying text from Word due to formatting.

SAMPLE

Abstract

15. Scientific abstract

Provide a detailed summary of your research project (maximum of 4200 characters, including spaces), describing the pillar (accessibility, completeness, quality or timeliness) to be addressed (or partially addressed), the objectives or aims of the proposed work, the methodology to be used, as well as the significance of the proposed research to cancer data in Canada . Note that the character count may be different when copying text from Word due to formatting.

16. Keywords/Technical terms

Provide up to a maximum of ten specific keywords or descriptive technical terms/methodologies that best describe the scientific and technical aspects of your project. NOTE: Enter one keyword or technical term per line.

Keyword/Technical terms

17. Relevance statement

Describe the relevance of the proposed project to cancer data in Canada. Describe the impact that results will have on the pillar (accessibility, completeness, quality or timeliness) of improvement to be addressed. If addressing a different issue in cancer data, justify the need. Please note that this section will be used to evaluate the relevance and overall impact of the proposed work on cancer and those affected by it. The relevance statement should not exceed 2100 characters, or roughly half page, including spaces. Note that the character count may be different when copying text from Word due to formatting.

18. Abstract changes

Indicate if significant modifications have been made since the abstract registration. If you answer yes, please advise CCS research staff (research@cancer.ca). Substantive changes that significantly alter the overall goals and aims of the proposal relative to the abstract registration are not permitted.

Indicate if significant modifications have been made since the abstract registration. If you Yes No answer yes, please advise CCS research staff (research@cancer.ca). Substantive changes that significantly alter the overall goals and aims of the proposal relative to the abstract registration are not permitted.

SAMPLE

Non-confidential scientific abstract

19. Non-confidential scientific abstract

Please include a duplicate of your scientific abstract – with proprietary information removed. This abstract may be shared with potential donors and CCS funding partners and stakeholders when relevant. Your abstract should not exceed 4200 characters (including spaces), or roughly one full page, single spaced. Note that the character count may be different when copying text from Word due to formatting.

SAMPLE

Proposal

20. Proposal

Provide a detailed proposal of the work to be performed, including the following points:

- Aim(s) of the project. Provide a compelling rationale for your hypothesis by putting your proposed work in the context of previous research done in the field. Proposed aims must be within the scope of the one-year timeline and budget of the grant. Overly ambitious aims are discouraged.
- Experimental design, methods and analysis. While preliminary data is not a requirement, it may be included. When preliminary data is not available, the underlying logic or rationale behind the proposed methodology must be clearly articulated. Reference supporting, as well as conflicting (if any), scientific data relevant to your proposal. Present alternate plans in case the primary methods are not successful. In addition, and importantly, sex, gender, diversity (plus other intersectionalities (SGBA+)) must be thoughtfully considered, when applicable.
- Details of which member(s) of the research team will be responsible for which aspect of the project, including a rationale for their inclusion in the project, and a description of the research environment where the work will take place. Consideration of equity, diversity and inclusion principles in the composition of research team members must be evident.

Format:

- Your proposal must not exceed 16,000 characters (including spaces), or roughly four full pages, single spaced.
- Upload the proposal in EGrAMS as a single pdf not larger than 5MB
- Figures, tables, charts and their associated legends must NOT be embedded in the text. For information regarding accompanying figures, tables, charts and associated legends, see section 24 – Tables, graphs, charts and associated legends.
- Abbreviations must be initially explained within the proposal. A list of abbreviations, if included, counts towards the 16,000-character limit.

21. Sex, gender and diversity

21.a. Sex, gender and diversity considerations

Recognizing the variable impacts of cancer on different populations and demographics within Canadian society, CCS expects that sex, gender and diversity dimensions (plus other intersectionalities (SGBA+)) will be factored into research design, analysis and dissemination of findings. Please provide a response for each question, and we urge that you consider and embed these dimensions into your proposal, when applicable.

Is sex, as a biological variable, taken into account in the research design, methods, analysis and interpretation, and/or dissemination of findings? Yes No

Is gender, as a sociocultural factor, taken into account in the research design, methods, analysis and interpretation, and/or dissemination of findings? Yes No

Are diversity considerations (e.g. conditions, expressions and experiences of different groups identified by age, education, sexual orientation, parental status/responsibility, immigration status, Indigenous status, religion, disability, language, race, place of origin, ethnicity, culture, socio-economic status and other attributes) taken into account in the research design, methods, analysis and interpretation, and/or dissemination of findings? Yes No

21.b. Sex, gender and diversity considerations

Describe how sex and/or gender and/or diversity dimensions (plus other intersectionalities (SGBA+)) will be considered in your research proposal. If you select 'No' for one or more questions in section 21a., explain why sex and/or gender and/or diversity are not applicable in your research proposal.

Your response must not exceed 4200 characters. Note that the character count may be different when copying text from Word due to formatting.

25. List of references

Provide a list of references cited within the proposal. A standard reference style is recommended (e.g. first author, article title, journal title, date of publication, volume, issue, location (pagination)).

26. Appendices

OPTIONAL: Note that all essential information must be included in the proposal and that reviewers are not required to read the material in the appendices. Attachments must be in PDF format only and can not exceed 10MB per attachment. NOTE: For the file name, please use the following format: [lastname_firstname-appendix1].

27. Disclosure of commercial or conflict of interest related to this application

If any of the named investigators have a financial interest in any commercial venture whose business activities are related to the subject matter of this grant application, the nature of that interest must be disclosed and a description of how conflict of interest (perceived or real) , if any, will be managed should be provided. Please describe the nature of the relationship or material interest, the business activities of the company in question, and how those activities relate, if at all, to the grant application.

- a. Do applicants have any commercial or conflict of interest (perceived or real) to declare? Yes No
- b. If Yes, please provide a description of the commercial or conflict of interest and how it will be managed.
- c. Is there any Intellectual Property which has been filed that is directly related to the technology or project, or materials or reagents used therein? Yes No
- d. If Yes, please describe, including ownership and/or assignment.

COVID-19 Impact statement

28. Impact of COVID-19 on your research

Describe circumstances related to the COVID-19 pandemic that have affected your scholarly activities, your research team's capacity to generate preliminary data for the proposed research and/or your research program in general. These include, but are not limited to, laboratory closures, delays in study participant recruitment, disruptions in field work, reductions or delays in hiring research personnel, longer publication timelines, personal or medical circumstances. (maximum 2100 characters, including spaces). Note that character count may be different when copying text from Word due to formatting.

SAMPLE

Budget

Description	2022	Total
DIRECT EXPENSES		
Program Expenses		
1	Supplies and Expenses	
2	Salaries and Wages	
Total Program Expenses		0.00
Equipment		
1	Permanent Equipment	
Total Equipment		0.00
TOTAL DIRECT EXPENSES		0.00
TOTAL EXPENDITURES		0.00

Description		2022	Total
Program Expenses			
Supplies and Expenses		0.00	0.00
Salaries and Wages		0.00	0.00
Total for Program Expenses		0.00	0.00
Permanent Equipment		0.00	0.00
TOTALS		0.00	0.00
0.0 0	0.00	0.00	0.00

SAMPLE

Other funding

31. Summary of other directly related funding applied for and received

Proposals submitted to the program may be related but cannot be identical to any other currently funded projects. It is the responsibility of the applicant to notify CCS immediately should substantial overlap arise from new funding awards during the application and review process of this competition.

CCS uses the information administratively to ensure that there will be no significant overlap in funds for similar work.

Note that investigators may not accept funds from tobacco manufacturers or from the Council for Tobacco Research or the Smokeless Tobacco Council while holding a CCS grant.

If you are not currently receiving or seeking funding from other sources: Attach a document (in PDF format) clearly stating this.

If you are currently receiving or seeking funding from other sources: Attach a document (in PDF format) containing a list of: a) active grants and b) pending or submitted grant applications, following the formatting instructions outlined in Appendix B.

The list should include grants and applications for support from CCS and other granting agencies and other sources (e.g., industry, private foundations, etc.) for the Principal Investigator and each Co-Principal Investigator, for the current year (2021) and for the entire period covered by this application (March 15, 2022 – March 14, 2023) that have conceptual or budgetary overlap with this project. List each grant or application only once, clearly indicating all of the investigators who are involved in the grant.

Abstracts, as submitted in the original application for funding, must be provided for each grant/application, ensuring that the title of the project and funding source is clearly indicated. Budget pages are not required. Include these abstracts following the list, in the same order as they appear in this section.

Applications with missing other funding information or abstracts will be considered incomplete.

NOTE: For the file name, please use the following format: [lastname_firstname-other_funding]

32. Other funding confirmation

- The applicants confirm that the attached list contains all required information and the abstracts as submitted in the original application for funding, as described in the Application Guide.

Review panel

33. Panel

Assigned Panel

Data Grants panel

34. Reviewer recommendation

Applicants must suggest the names of at least 3 (5 if submitting application in French) impartial reviewers who have the necessary expertise to critically evaluate the application and with whom you do NOT collaborate.

Name	Department	Institution	Phone no.	E-mail address	Areas of expertise

35. Reviewer exclusions

Applicants may suggest individuals they prefer NOT be contacted as potential reviewers (panel members and/or external reviewers). The reason for exclusion (e.g. collaborator, colleague, competitor) should be given. NOTE: any exclusions you list will not be viewable to panel members.

Name	Reason for exclusion

Tracking

36. Research tracking information

36.a. Research focus

Responses are to be limited to the scope of the proposed research for the duration of the proposed term. This information is used solely for statistical/reporting purposes and will not be used as part of the scientific review of the application. Select one research focus that best describes the project.

Biomedical research – Projects that rely on model systems or are basic/fundamental research. Includes understanding disease mechanisms or studying cell pathways in model systems or patient-derived cell lines. If any component of the project uses patient-derived tissue or involves human subjects, it should be coded as clinical research.

Clinical research – Projects that have a component that is clinical and/or involves human subjects. Includes companion clinical trials and correlative studies as well as psychosocial oncology research. Generally, involves humans or samples from humans. Includes testing drugs, biomarkers, or mechanism of action of drugs in patients, patient-derived tumours, or liquid biopsies.

Health systems and health services research - Research that assesses or attempts to solve barriers to care, treatment adherence, care utilization, overtreatment, health care transitions, national strategies/frameworks, clinical pathways/guidelines, ethics, patient decision aids, adverse drug reactions, treatment delays/wait times, access/equity, and/or health literacy.

Social, cultural, environmental, and population health research – Research that is population-level and unrelated to the health system. Includes research that investigates lifestyle, toxin exposures, diet, or population-based surveillance surveys (e.g., the International Tobacco Control (ITC) survey, British Columbia Adolescent Substance Use Survey).

Research focus (select ONE only)

- Biomedical Research
 Clinical Research
 Health Services/Systems Research
 Social, Cultural, Environmental and Population Health

36.b. Clinical trial

If your proposed research includes a clinical trial component, select the type of trial and provide the participant recruitment target. If your proposed research does not involve a clinical trial, select not applicable.

Clinical Trial

- Clinical Trial - observational participant recruitment target:
 Clinical Trial - interventional participant recruitment target:
 Not applicable

36.c. Relevant population

Select the population(s) the proposed research will be relevant to. If your proposed research can be applied broadly to cancer patients, select "Not specific". Be sure to check at least one item.

Relevant population

- Pediatric (0-14)
 Adolescents & Young Adults (15-29)
 Adult (30 years+)
 Not specific

36.d. Research subject

If your proposed research involves human subjects or patient tissues, select the research subject(s) that will be used in the study. You can select more than one option. If your proposed research does not involve human subjects or patient tissues, select 'Not applicable'.

Research subject (select ONE or MORE)

Patients/Study Population

- Pediatric (0-14) Adolescents & Young Adults (15-29) Adult (30 years+) Not applicable

Patient Tissue

- Pediatric (0-14) Adolescents & Young Adults (15-29) Adult (30 years+) Not applicable

36.e. Cancer site relevance

Select a maximum of four cancer sites where the research will be most relevant. Indicate the degree of relevance to the selected cancer site in terms of percentage (%). Only include cancer sites with at least 25% relevance; total should equal 100%.

The cancer site selected must reflect the site of the primary cancer. For example, if your research is focused on lung cancer that has metastasized to the brain, select lung as relevant cancer site.

When a project does not focus on one or more specific cancer sites (e.g. applies broadly to cancer patients), select "Non-specific/All sites".

Only use the Details description field to describe the site if you have selected Other as a site.

Do not enter a '%' sign with your percentage, only enter the number.

Cancer site relevance

Cancer site relevance	Percentage	Details

36.f. Common Scientific Outline (CSO)

Select a maximum of 3 codes which best describe the research. Full details of the Common Scientific Outline can be found at the International Cancer Research Portfolio website (<https://www.icrpartnership.org/cso>).

Common Scientific Outline (CSO)

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

Etiology

- 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 etiology

Prevention

- 3.1 Interventions to prevent cancer: personal behaviors (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 and prognosis
- Treatment**
- 5.1 Localized therapies – discovery and development
- 5.2 Localized therapies – clinical applications
- 5.3 Systemic therapies – discovery and development
- 5.4 Systemic therapies – clinical applications
- 5.5 Combinations of localized 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 behavioral 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 Historical code - no longer used
- 6.9 Resources and infrastructure related to cancer control, survivorship and outcomes research

Release form

37. Release form

The CCS depends on donor dollars to fund its grants. Applicants must declare their willingness to allow CCS to provide minimal details of their grant to potential donors/partners. For successful investigators, the grantee must declare their understanding that CCS will post competition results (PI, HI, title, value of grant, lay summary) on our website and potentially include a lay summary of the progress and impact of the research in our reports to donors/the public, press releases, social media or other communications.

On condition that:

- the specified information will be shared by CCS only with potential donors/partners and for the sole purpose of obtaining additional funding for CCS's grant competitions.
 - potential donors/partners will be required to declare conflict of interest, and sign a confidentiality agreement before the specified information is released to them by CCS.
 - it will be held confidential by them and not released to other parties, and will be returned to CCS or destroyed if the decision is not to fund.
 - all information released may be retained by the potential donors/partners if it decides to fund the application, and may be used by the donor/partner in its funding announcements and other communications.
- I acknowledge the sharing of the information specified with potential donors/partners and if successful in the competition, CCS will announce the grant and may publish research impacts (described above).

Head of Department

38. Head of Department/Dean confirmation

This section can only be completed by the Head of the applicant's research department. If the project is to be carried out by the Head of the Department the application must instead be confirmed by the Dean. As the Head of Department/Dean your online acknowledgement indicates that you are aware of the contents of the application being submitted. Answer the question below, then click on Save to complete your confirmation.

I confirm that I am aware of the contents of the application being submitted.

Yes No

Name of the Head of Department or Dean

Title

Research Institution

Financial Institution

Date

SAMPLE

Executive authority - research host**39. Executive authority of the host research institution**

This section can only be completed by an executive authority of the host Institution within which the research will be conducted. As the Executive Authority your online acknowledgement indicates that you have read and understood the Terms of the Host Institution/CCS Agreement. Answer the question below, then click on Save to complete your confirmation.

I confirm that I have read and understood the Host Institution / CCS Agreement and agree to abide by the terms. Yes No

Name of the Executive Authority - research host

Title

Research Institution

Financial Institution

Date

SAMPLE

Executive authority - financial host**40. Executive authority of the host finance institution**

This section can only be completed by an executive authority of the Institution within which the funds will be administered. As the Executive Authority your online acknowledgement indicates that you have read and understood the Terms of the Host Institution/CCS Agreement. Answer the question below, then click on Save to complete your confirmation.

I confirm that I have read and understood the Host Institution / CCS Agreement, and agree to abide by the terms. Yes No

Name of the Executive Authority - financial host

Title

Research Institution

Financial Institution

Date

SAMPLE