

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. Note: maximum 1 application allowed per PI/Co-PI per competition (Please select one from list) | | | |
| <input type="radio"/> Initial Application | | | |
| g. Indicate the number of years of support requested (up to 1) | | | |
| 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 | |
| i. Include my application in the breast cancer funding pool. Refer to the Spark Grants program description page on cancer.ca/research for more information. | <input type="radio"/> Yes | <input type="radio"/> No | |

3. Participants

Enter the Financial Officer and any Co-Principal Investigator, Co-Applicant, Additional Author 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 must follow the required format outlined in the Application Guide. CVs are not required from collaborators. Instead, letters of collaboration must be uploaded.

NOTE: Changes to the applicant list after the abstract registration deadline are permitted, but must be provided to CCS as they are determined.

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

SAMPLE

Applicant info

4. Principal Investigator CV

Attach an up-to-date, abbreviated version of your CV 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.

5. Justification for career interruptions

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). If not applicable, please indicate this in the form. Your justification should not exceed 1250 characters, including spaces.

6. 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.

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):

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.

Certificates

7. Certificates required

7.a. Biohazard/Biosafety

Indicate if certificates will be required. Certificates will be requested at the time of funding.

- a. Does your project require a biohazard certificate? Yes No
- c. If yes, list the name of institution(s) from where the certificate(s) will be obtained.

List of institutions

7.b. Animal care

Indicate if certificates will be required. Certificates will be requested at the time of funding.

- a. Does your project require animal care certificates? Yes No
- b. If yes, list the name of institution(s) from where the certificate(s) will be obtained.

List of institutions

7.c. Ethics

Indicate if certificates will be required. Certificates will be requested at the time of funding.

- a. Does your project require ethics certificates? Yes No
- b. If yes, list the name of institution(s) from where the certificate(s) will be obtained.

List of institutions

7.d. Human samples

Indicate if human samples will be used. Appropriate evidence demonstrating that the PI has registered/enrolled for bio-specimen collection with a quality assurance program will be requested at the time of funding. This applies equally to all prospective (new) bio-specimens used in the CCS-funded research that will be collected and/or all retrospective (old) bio-specimens used in the CCS-funded research that have previously been collected and will come from a biobank(s).

- a. Does your project involve the use of human samples? Yes No
- b. Please list details.

List of biobanks

8.a. Human embryonic stem cells involvement

Any applicant who proposes the creation or use of human embryonic stem cells, or proposes any research that would fall under the federal legislation or the CIHR Guidelines must clearly indicate this fact in the section provided, and must disclose all relevant details in the proposal.

Does the proposal involve the use or creation of human embryonic stem cells? (If yes, contact the CCS) Yes No

If yes, is the research reviewed under the auspices of the local ethics review board? (Do not answer this if the answer above is No)

8.b. Status of SCOC approval for each institution

In the space provided, indicate the status of SCOC approval for each institution. Applicants are reminded to disclose all relevant details related to the hESC work in the proposal. (maximum 1250 characters).

Public summary

9. Need for project

What need – 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.

10. 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.

11. Project description

How will you achieve this (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.

12. 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.

Abstract

13. Scientific abstract

Provide a detailed summary of your research project (maximum of 4200 characters, including spaces), stating the problem to be investigated, the objectives of the investigation, the methodology to be used, as well as the significance of the research to cancer. Clearly articulate how the proposed study, if successful, has the potential to disrupt status quo for cancer prevention and early detection. Note that the character count may be different when copying text from Word due to formatting.

14. 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.

For applications approved for funding, a non-confidential scientific abstract will be posted along with the funding results on Brain Canada, CCS and CIHR websites.

15. 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

16. Impact statement

Describe how the proposed research represents a truly novel approach poised to dramatically improve the way we currently prevent or diagnose cancer, including the impact that results will have on specific challenges in cancer prevention and early detection. Your impact statement should not exceed 4200 characters, including spaces. Note that the character count may be different when copying text from Word due to formatting.

17. Breast cancer relevance statement

The relevance statement (maximum of 2100 characters, including spaces) should explicitly describe how the project fits the breast cancer call for applications. Only applicants that have marked the check box indicating the application should be considered under this call should complete this section. Note that the character count may be different when copying text from Word due to formatting.

18. Abstract changes

A relevance review of the abstract registration was conducted to ensure alignment with the Yes No program description and scientific focus. Please indicate if significant revisions have occurred since the abstract submission. If you answer yes, please contact CCS.

SAMPLE

Proposal

19. Table of Contents

OPTIONAL: Include a brief table of contents to help guide the reviewer through the proposal.

20. Proposal

Provide a scientific proposal (maximum of 21,000 characters, including spaces) describing the work to be performed. Include the following points:

- a. 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.
- b. experimental design, methods and analysis. Preliminary data may be included but is not a requirement. 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.
- c. 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.

Note that the character count may be different when copying text from Word due to formatting. To insert special characters, you must use Alt codes or the special character tool in EGrAMS and not Symbol font.

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

Budget

Description	2021	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		2021	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

30. Summary of other funding applied for and received

List all grants currently being applied for, pending, about to be submitted and all grants received, for the entire period covered by this application, for the Principal Investigator and each Co-Principal Investigator. Your documentation should include a list followed by the abstracts/summaries, as submitted in the original application for funding, for all grants/applications listed and should be submitted in PDF format. For pending grant applications with similar titles, please include a statement explaining overlap, or lack thereof. Consult the Application Guide for complete instructions, including the correct format. If there are no pending grants to list, indicate by including N/A in the Pending grants 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]

31. Other funding confirmation

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

SAMPLE

Review panel

32. Panel

Assigned Panel

SPARK Panel

33. 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

34. 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

35. Research tracking information

35.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 the research focus of the proposal.

Research focus (select ONE only)

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

35.b. Research subject

Select the research subject(s).

Research subject (select ONE or MORE)

Patients/Study Population

- Adult
 Pediatric
 Adolescents & Young Adults

Patient Tissue

- Adult
 Pediatric
 Adolescents & Young Adults

Model System

- Mouse
 Drosophila
 C. elegans
 Zebrafish
 Yeast
 Other

Cell System

- hESC
 Tumour Initiating Cell
 Non-embryo-derived stem cells (eg. iPS cells)

35.c. Cancer site relevance

Select a maximum of 4 cancer sites where the research will be most relevant. Indicate the degree of relevance (percentage). Only include cancer sites with at least 25% relevance; the total should equal 100%. Only use the Details description field to describe the site if you have selected Other as a site.

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

Cancer site relevance

Cancer site relevance	Percentage	Details

35.d. 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

36. 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, CIHR and Brain Canada 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, CIHR and Brain Canada will announce the grant and may publish research impacts (described above).

Head of Department

37. 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

38. 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

39. 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

Post submission publications

40. Post submission publications

Publication lists included in this section prior to submission will be removed. This section should only be used after you have submitted your application. Attach a PDF document of your acceptance e-mail/letter for newly accepted publications. You may update this attachment at any time after you've submitted your application, up until the panel meeting. NOTE: For the file name, use the following format [lastname_firstname_publications_yyyymmdd], where yyyymmdd is the current date.

SAMPLE