

File number: 310042

### Registration

THIS IS A DEFAULT ENGLISH VERSION OF THE FORM which has not been fully validated. Please refer to the program rules and the French version of the form to make sure you provide the right information. To access the French version of the form, get back to the "My forms" tab and change the display language in the upper right corner of the screen.

The form, including all required documents, must be submitted to the Fund before 22 September 2021 at 16:00.

Read the program rules (program web page) and the Common General Rules (CGR) to verify the eligibility requirements and to ensure that the form is filled out correctly. Also, make sure you are completing the form for the right program.

Refer to the <u>Presentation standards for PDF attachments to FROnet forms</u> available in the Documents section of the FRQnet E-Portfolio for complete presentation instructions.

IMPORTANT: All co-investigators must have confirmed their participation prior to submitting the application form. As well, prior to submission, the Canadian Common CVs of the principal investigator and co-investigators from Québec must have been submitted and the detailed contribution files must have been attached to their respective electronic portfolios in the Canadian Common CV section. Canadian Common CVs of all co-investigators from Canadian provinces and territories must have been submitted in NSERC format (Form 100A) in the "Other Documents" section of the present form.

It is recommended that you validate the contents of your form well in advance of the deadline to allow you to make any necessary corrections. The « Validate Form » button is located at the bottom of the « Signature and Subrussic » ection.

In all sections of the form with a « Save » button, it is important to save the information of the ag before clicking the « Validate Page » button.

\*File number Pre-application

### SEULEMENT

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### **Principal investigator**

The principal investigator is responsible for the scientific direction and execution of the research project, program or infrastructure, as well as the administrative and financial aspects of the grant, including corresponding with the Fonds.

Refer to the program rules for eligible research statuses. For status definitions, see the Status and Roles section of the FRQ Common General Rules.

Salutation:

Nip:

Name:

First Name:

\*Research Status

### **CONTACT INFORMATION**

The information is displayed for consultation purposes only a displayed for consultation purposes only a displayed for the Electronic Portfolio. If the information is missing or incorrect, please edit it on the My Profile page (for the Address Type field, you must select Princery Affilia on Address).

### INFORMATION SELECTION

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### **Managing institution**

The managing institution is the employing institution of the principal investigator, unless otherwise indicated in the program rules. Note that the Employing and managing institution drop-down menu contains only Institutions recognized to manage funding.

Once the information has been saved, the managing institution will be able to see this form in the Institutions portal.

Managing institutions may set an internal deadline for the approval of applications that is earlier than the competition deadline. This date will be posted on the "My forms" page under « Institutional deadline ».

It is essential that this form be submitted before the institutional deadline. The institution must then approve it before the competition deadline.

For applicants employed by a college centre for technology transfer (CCTT), the associated college must be identified as the employing and managing institution.

**Employing and managing institution** 

Principal university affiliation

Department / Administrative Unit / School /

### Campus / CCTT INFORMATION SEULEMENT

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### **Pre-eligibility**

I certify that I, the candidate (principal investigator; PI), am employed by a Quebec university management institution recognized by the FRQ, that he or she meets the definition of status 1i) academic researcher in the CGR and that he or she has held his or her first career position in a university since January 1, 2016.

All Quebec co-investigators involved in this application are employed by an institution recognized by the FRQ to manage funding (see list of Recognized Institutions).

The team includes at least one co-investigator from an NSERC-eligible university or college in another Canadian province or territory.

The team includes at least one co-investigator employed by a Québec university or college who has research Status 1, 2 or 3 as defined in the CGR.

The proposed research project is in the fields of natural sciences and engineering (NSE) and covers a maximum period of three years.

I certify that there are no other sources of funding for this research project.

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### Title and research fields

### Title

Indicate the title of your funding application.

\*Title

Must be in French

### Title in English

### Classification

A complete list of permitted values for the different drop-down lists used in the Fonds research classification system is available in the Documents section.

List, in order of priority, the research sector(s) to which your research activities belong.

\*Sector 1.

2.

3.

4.

Indicate the research discipline(s) that best describe the resear 1.

\*Discipline 1.

Discipline 2.

Indicate the main field f res a sh to which your ardication belongs.

\*Field frese rch

Indicate the research topics that apply to your application.

\*Research topic 1.

Rese rch topi 2.

Indicate the field and sub-field of application in which your research activities to

\*Field of application

Sub-field of application

Indicate six keywords, from the most general to the most specific, that best describe your research project or program.

\*Keywords

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### **Ethics**

| Indicate if your research Program involves:  |  |  |  |  |  |  |
|--|--|--|--|--|--|--|
| *Check your choice   | ☐ Participation of human beings.   |  |  |  |  |  |
|  | The use of human biological material (parts, products, tissue, cells, genetic materials, derived from a living or dead individual).  |  |  |  |  |  |
|  | Assisted procreation activities or the use of human embryos derived therefrom, within the meaning of the Act respecting clinical and research activities relating to assisted procreation (CQLR c. A-5.01).        |  |  |  |  |  |
|  | ☐ The use of administrative, scientific or descriptive data from human participants.   |  |  |  |  |  |
|  | ☐ Use of experimental animals, or animal parts, products or tissue.  |  |  |  |  |  |
|  | ☐ None of the above.   |  |  |  |  |  |
|  |  |  |  |  |  |  |
| Inclusion of gender and sex  Since this section will not be accessible to evaluation commit es, mel le all the nfc mation request by the program elsewhere in the funding application.   |  |  |  |  |  |  |
| *Indicate whether the research involves<br>gender or sex-based analysis (see article<br>5.5 of the Comron (neral Rules for<br>more information)  | ☐ Yes, the notion of gender (sociocultural aspects) is taken into account.  ☐ Ye, the notion of s b. (biological aspects) is taken into account.  ☐ No newsearch down take into account the norm of ginden or sex. |  |  |  |  |  |
| Describe how the research takes into account the notion of gender or sex. If it does not, explain vivy.  |  |  |  |  |  |  |
|  | d with the research (see the "Environmental Responsibility" section on our website):   |  |  |  |  |  |
| Since this section will not be accessible to evaluation committees, include all the information required by the program elsewhere in the funding application.  |  |  |  |  |  |  |
| <ul> <li>A) Minimal risk: the environmental impact exceeds the impact of day-to-day human impact does not exceed the impact of activity. In the event of funding, you will need to specify the mitigation measures being considered or the day-to-day human activity.</li> <li>B) Greater than minimal risk: the environmental impact exceeds the impact of day-to-day human activity. In the event of funding, you will need to specify the mitigation measures being considered or the measures that must be taken to comply with legal requirements.</li> </ul> |  |  |  |  |  |  |

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### **Abstract**

Should I receive funding in connection with this application, I agree to allow the FRQ to publicly release the abstract on this page and the title of the project, in whole or in part and by any means (websites, social media, etc.).

Accordingly, I am not including any personal information or confidential or protected information whose release may compromise a patent filing or publication request.

The FRQ will comply with all applicable copyright laws and reserve the right to edit the text without notice before releasing it.

OYes ONo

### Abstract for a general audience

Provide an abstract in language that can be understood by the public.

\*Abstract in French

POUR

Only if your application is written in English, complete the field hereunder.

Abstract in English

SEULEMENT

SEULEMENT

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### **Co-Investigators**

### Co-applicants list

Add co-investigators whose research status qualifies according to program rules. The description of the statuses is presented in the FRQ Common General Rules. These are the individuals whose CVs are considered at the time of application review. Individuals added to this form as co-investigators will receive an email detailing the procedure to confirm their participation in the application and submit their CV.

The employing institution must be the one that pays the co-investigator.

For those employed by a college technology transfer center (CTTC), the college of affiliation must be identified as the employing institution.

### CO-INVESTIGATORS - Common General Rules Status 1, 2 and 3

It is the responsibility of the Principal Investigator to ensure that all Status 1, 2 and 3 Co-Investigators have 1) confirmed their participation via their FRQnet portfolio, in the As a Co-Investigator section, 2) provided the FRQNT with their updated Canadian Common CV, and 3) attached the updated Detailed Contributions file to their FRQnet portfolio, in the Canadian Common CV section. This must be done by the institution's deadline to allow for submission of the form. Visit the "My Forms" page and click on the link in the "Other Status" column to verify.

(The list is empty)

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### Co-investigators from outside Québec

### Co-applicants list

A co-investigator from outside Quebec is a person who is actively participating in the conduct of a research program. Please refer to the program rules for the conditions required to act as a co-investigator outside Quebec.

A co-investigator from a university or college in another Canadian province or territory AND must be from an NSERC-eligible institution.

Note: If an institution is not listed, request an inclusion by writing to: etablissement@frq.gouv.qc.ca
Clearly indicate 1) the name, country and province of the institution requested, 2) the name of the program and 3) the title of the section of the form where it is requested.

(The list is empty)

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### **Collaborators**

List key collaborators.

A collaborator is an individual who brings specific expertise to the project or research program, as appropriate. He or she does not provide a CV and cannot be delegated to manage a portion of the funds.

For eligible research statuses, consult the program rules. For definitions of statuses, refer to the FRQ Common General Rules in the Statuses and Roles section.

If the institution is not listed, consult the help bubble to request an addition. If the collaborator is not attached to any institution, select No Affiliating or Attaching Institution.

### Collaborators list

(The list is empty)

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### **Project or program description**

### DESCRIPTION OF THE RESEARCH PROJECT

The document must be no more than 2 Mb, contain a maximum of 12 pages, be clearly readable and be attached in PDF format.

| File name | Type of document | Date | Taille (Ko) |
|-----------|------------------|------|-------------|
|           |                  |      |             |

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### **Interruption or slowing down of research**

This section allows you to identify, if applicable, circumstances related to the COVID-19 pandemic that may have slowed or delayed your research activities (family obligations, illness, disability, bereavement, laboratory closure, increased time spent teaching or serving the community, etc.).

The description should include the reasons and start and end dates of the interruptions or periods of slowdown and their impact on this application, if any (e.g., on publications, grant applications, mentoring of incoming students, participation in scientific events, etc.).

Circumstances specifically related to the COVID-19 pandemic

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### **Teaching release - Colleges**

Indicate, for each team member meeting the status of "college researcher," the estimated amount of teaching release time requested, if any.

(The list is empty)

### Identify:

- The name of the person(s) receiving the teaching release and/or statutory supplement and his/her college of affiliation;
- The role played by this person in the proposed research;
- The request for a statutory supplement, if applicable;
- Justification for the use of funds allocated specifically to his/her involvement.

The document must be no more than 2 Mb, be clearly readable and be attached in PDF format.

### Fichier joint

File name

Taille (Ko)

### INFORMATION SEULEMENT

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### **Budget**

### Equipment grant (\$7,001\$ to \$50,000) which must be used during the 1st year of funding.

- For each equipment, the unit cost must be superior to \$7,000 including taxes;
- The total amount requested to the FRQNT should not exceed \$50,000 including taxes;
- If the cost of a single piece of equipment exceeds \$25,000 taxes included, you must attach 2 quotes from suppliers\* to the section "Other documents".
- \*A single quote can be attached if the reason is clearly explained in the document.

Requested funding to the FRQNT (\$)

Real cost of the requested equipment (\$)

Indicate the amount of the total funding requested to the NSERC (max \$135,000).

Requested funding to the NSERC

### **Operating Grant**

For each category of eligible expenses, indicate the amount expected C'ck on the light below for 1 ov view of all eligible expenses.

The total amount requested annually for operating expenses n \$1,000 or less including taxes, which must be reported in the equipment (pure ase, ase, operating expenses n \$1,000 or less including taxes, which must be reported in the equipment (pure ase, ase, operating expenses n \$1,000 or less including taxes, which must be reported in the equipment (pure ase, ase, operating expenses n \$1,000 or less including taxes, which must be reported in the expense of the expens

Overview of eligible expenses

(The list is empty)

### SELLEMENT SELLEMENT

Attach here a PDF file containing a justification of the proposed expenditures and equipment costs requested for the FRQNT (3 pages) and a justification of the proposed expenditures for NSERC (3 pages).

| File name Type of document Date Taille (Ko) |
|---|
|---|

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### Other documents

Attach the supporting documents to your funding request. They will be added at the end of the form. **Only one file per type of document is allowed.** Make sure to use all the possible options to optimize the size of your documents (black / white, image size, Acrobat optimization options, etc.) furthermore, ensure that PDF documents are not protected and that they do not contain bookmarks..

Consult the <u>Presentation standards for files (PDF) attached to FRQnet forms</u> available in the **Documents** section of the FRQnet electronic portfolio to read all presentation instructions..

Consult the program rules to find out which documents are required according to your situation and what specific information to provide in each document. Any document not required will be withdrawn from the funding request for its evaluation by the scientific committee.

File name Type of document Date Taille (Ko)

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### Signature and submission

### COMMITMENTS OF THE APPLICANT

I declare and warrant the following:

- 1. All the **information** contained in the application and all the information I shall subsequently provide related to this form or any funding obtained (documents or further details required by the Fonds, reports, etc.) is and shall be **accurate and complete**. I shall notify without delay the FRQ of any changes to the information I have entered
- 2. The co-investigators named in my application as taking part in the research project or program and other project collaborators, if applicable, have confirmed their desire to participate in the research project or program and I have obtained their authorization to provide their personal and confidential information.
- 3. I have read and agree to comply with the obligations set out in the *Common General Rules* of the Fonds de recherche du Québec (Fonds de recherche du Québec Nature et technologies, Fonds de recherche du Québec Santé, Fonds de recherche du Québec Société et culture, hereinafter the "FRQ") and the FRQ's *open access policy* for the dissemination of research, as they are updated periodically (see the « DOCUMENTS » tab), and to comply with all terms and conditions set out in the *Rules of the funding program* to which I am applying, as well as all other terms set out in the award or grant letter and at the time the payments are made.
- 4. I have read and agree to comply with the standards of ethics and integrity of the FRQ, including those set out in the *Politique d'éthique et d'intégrité* (see the « DOCUMENTS » tab), as updated periodically, taking into account any adaptations applicable in Québec and the ensuing obligations, and to subscribe to the best practices in my area of research.
- 5. I have read and agree to comply with the provisions of the *nucy fo.* the *Resp. ns. le Con luct* 1. seearch of the FRQ (see the « DOCUMENTS » tab), as updated periodically, as well as those set out in institutional policies with regard to the risponal ble conduct of reparch, as they apply to my research activities. In the event of a substantiated case of breach of responsible conduct of research in connection with my research activities, I agree that the final report following the complaint's review, including my personal information, shall be transmitted to the FRQ so that the agencies may take appropriate measures. These measures may include sanctions related to the FRQ funding, as well as conctions pertaining to my eligibility to receive FRQ funding. Should urgent information be required to prevent or and damages, the institution may communicate a 'rele ant formation to the 'RQ without away ingent' intercent or the complaint.
- 6. I am not currently in ligible to relieve inding from a Caladia or oternation by bubic furting a ency as he result of a substantiated breach of responsible conduct of research.
- 7. I shall immediately advise the Fonds to which I am submitting this application should I become ineligible to apply for funding or receive funding from a Canadian or international public funding agenc as the result of a **su stantialed** reach of a **sponsible anduct** is result in the intimultion of any FRQ funding may be subject to review by the FRQ Responsible Country of the intimultion of a sponsible and the intimultion of a spons
- 8. I understand that **failure to comply** ith ny of hes compliments me led to the w that wall fan oplice for from the review process, or to the suspension, withdrawal, termination or even reimbursement of funding, or any other type of administrative penalty related to the privileges granted by the FRQ.

### AUTHORIZATION REGARDING PERSONAL AND CONFIDENTIAL INFORMATION SUBMITTED AS PART OF THE APPLICATION PROCESS

The information entered on the funding application forms, and all other forms relating to the management of any funding, shall be treated confidentially and in accordance with the Act respecting Access to Documents Held by Public Bodies and Protection of Personal Information (CQLR c A-2.1, hereinafter the Act), as well as with the *Statement regarding the protection of personal and confidential information in applicant and funding holder files* (see the « DOCUMENTS » tab, hereinafter the Statement).

• I have read the *Statement* and authorize the Fonds to keep, use and release all the personal and scientific information contained in my personal file, in accordance with the terms set out in the *Statement* and the Act, and on the condition that the individuals authorized to access my personal information undertake to treat it confidentially.

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| Identification                      |       |  |  |
|-------------------------------------|-------|--|--|
| You must agree with the commitments | O Yes |  |  |
| and authorization.                  | O No  |  |  |