

File number: 340014

Demande 2024

### Registration

THIS IS A DEFAULT ENGLISH VERSION OF THE FORM. 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 before 14 September 2023 at 16:00.

**Read the program rules** (<u>program web page</u>) and the Common General Rules (<u>CGR</u>) 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 FRQnet 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.

**IMPORTANT**: In parallel to the submission of the application on FRQnet, on behalf of the team, the PI must submit a simplified Letter of Intent to NSERC. Please refer to the 4.2 section in the program rules.

It is recommended that you validate the contents of your for well in idvance of the dead ine that we you to make any necessary corrections. The « Validate Form » button is located at the bottom of the « Signature and Subsession » section.

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

### INFORMATION 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.

Nip:

Name:

First Name:

\*Research Status

### **CONTACT INFORMATION**

This information is displayed for consultation purposes only a doo er from the My Profile page of the FRQnet Electronic Portfolio.

If the information is missing or incorrect, you can change it to the My Profile page of the FRQnet Electronic Portfolio.

Adress:

### INFORMATION SELLEMENT

### **Managing institution**

The managing institution is the employing institution of the Principal Investigator. Note that the Employing and managing institution drop-down menu contains only Institutions recognized by the FRO to manage funding.

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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, or before the competition deadline. The institution must then approve it within the timeframe prescribed in Section 3.2 of the Common General Rules.

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 meet the eligibility requirements and the participation limits associated with the FRQNT funding and career advancement continuum of which the NOVA program is part (sections 2 and 3.7 of program rules).

I confirm that I meet all the conditions listed in Section 3 of the program rules (Eligibility).

I understand that I must attach to my funding application all required documents enumerated in section 4.1 of the program rules.

I understand that all the required documents attached to my FRQnet application must respect the Presentation standards for files attached to FRQnet forms available under the "Portal Access" tab of the FRQ website and under the "Documents" menu section of the FRQnet electronic Portfolio.

I understand that in parallel with the submission of this application to the FRQNT and prior to the competition deadline, I must submit to NSERC a simplified Letter of Intent as described in section 4.2.

Common Canadian CV and Detailed Contributions files are in the FRQNT format.

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

### 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 research.

\*Discipline 1.

Discipline 2.

Indicate the main field of research to which your application belongs.

\*i eld of est rcn

Indicate the research to ics that a ply to your application.

\* Research to vic 1.

Research topic 2.

Indicate the field and sub-field of oplication in which our research ctivities t

\*Field of a, lica on

Sub-field ( apr lica on

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

\*Keywords

Select the most appropriate evaluation committee for your application. Please consult the description of the different research areas covered by each evaluation committee in the list available in the toolbox.

\*Choice of committee

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### Responsible research

	<b>luation committees</b> . If the information requested here is relevant to the evaluation of the funding uld be repeated elsewhere in the funding application.
Consideration of sex and gender – Declaration	<u>n</u>
	ns, sex- and gender-based analyses should be included in research on therapeutic products (medical devices, naceuticals, biologics and radiopharmaceuticals).
*Indicate if the research concerns a therapeutic product.	○ Yes ○ No
If you answered «Yes» to the previous question, indicate whether the research considers sex or gender.	<ul> <li>Yes, the research takes into account sex (biological aspects) or gender (sociocultural aspects).</li> <li>No, t ⇒ res arc' does of the into account se or gender.</li> <li>Not a purcabl</li> </ul>

### Éthique de la recherche – Demande d'accès aux données

\*Indiquer si la recherche implique une demande d'accès aux données concernant des êtres humains, détenues par un organisme public québécois (ex.: ministère, établissement de santé).

○Yes ○No

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### **Environmental risk - Declaration**

The "Action plan for environmental responsibility in research" requires identifying the level of environmental risk involved in research and, in some cases, specifying mitigation measures. Consult the "Environmental Responsibility" page for more information.

\*Indicate the level of environmental risk associated with the research.

A) Minimal risk: the environmental impact exceeds the impact of day-to-day human impact does not exceed the impact of day-to-day human activity.
 B) Greater than minimal risk: the environmental impact exceeds the impact of day-to-day human impact exceeds the impact exceeds the impact of day-to-day human impact exceeds the impa

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### **Abstract**

Should funding be granted, I agree to allow the FRQ to publicly release the lay abstract and title on this page in whole or in part and by any means (Web site, Facebook, Twitter, etc.).

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

The FRQ shall comply with all applicable copyright laws, in particular by referring to the author. The FRQ reserve the right to edit the text without notice before releasing it.

O Yes

No

### Abstract for a general audience

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

\*Abstract in French

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### INFORMATION SEULEMENT

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### **Co-Investigators**

### Co-applicants list

Add co-investigators whose research statuses are eligible under the program rules. Status descriptions are provided in the FRQ Common General Rules. Co-investigators' CVs are considered in the application evaluation. Individuals identified as co-investigators in this form will receive an email procedure for confirming their participation in the application and submitting their CV.

The employing institution indicated must be the one that pays the co-investigator's salary.

For individuals employed by a College Centre for Technology Transfer (CCTT), the college of affiliation must be identified as the employing institution.

### CO-INVESTIGATORS - Research statuses 1, 2 and 3 of the Common General Rules

It is the principal investigator's responsibility to ensure that all Status 1, 2 and 3 co-investigators have 1) confirmed their participation via the *As a co-investigator* section of their E-portfolio; 2) submitted their updated Canadian Common CV to the Fonds; and 3) attached their updated Detailed Contributions file in their FRQnet portfolio, section *Common Canadian CV*. This must be done before the institution deadline date and time, or the competition deadline date and time, to allow for submission of the application form. Go to the « My forms » page and click on the link in the « Other statuses » 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 the definition of the possible Roles in the application, refer to the FRQ Common General Rules.

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 affiliation or home institution.

### Collaborators list

(The list is empty)

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### **Project or program description**

### DESCRIPTION OF THE RESEARCH PROJECT

Present the application by addressing, for the first four evaluation criteria in effect, each of the indicators listed in Section 5 of the program rules (Evaluation).

**IMPORTANT:** The consideration of equity, diversity and inclusion (EDI) should not be included in the project description. The answer to criterion 5 (EDI) must be attached to the "Equity, diversity and inclusion" section in the FRQnet form.

The document must be no larger than 2 MB, contain a maximum of 12 page(s), be clearly readable, and be attached in PDF format.

File name Type of document Date Taille (Ko)

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### Equity, diversity and inclusion

La présente section doit inclure toutes les informations nécessaires à l'évaluation du critère portant sur l'équité, la diversité et l'inclusion (EDI). Si certaines de ces informations sont fournies ailleurs dans le formulaire, elles doivent être répétées ici.

Se référer à la description du critère dans les règles de programme, ainsi qu'aux lignes directrices qui y sont associées, le cas échéant.

IMPORTANT : Cette section ne doit pas contenir de renseignements concernant l'appartenance des personnes candidates ou de membres de leur équipe ou regroupement, à des groupes historiquement discriminés ou sous-représentés.

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### Contribution aux objectifs de développement durable

Contribution à l'atteinte des objectifs de développement durable des Nations Unies (ODD)

Cette section ne sera pas rendue disponible aux comités d'évaluation, mais pourrait être visible par l'établissement gestionnaire de la personne candidate si celui-ci doit approuver la demande (subventions et bourses de carrière). Si l'information demandée ici est pertinente à l'évaluation de la demande ou requise par le programme, elle devra être répétée ailleurs dans la demande de financement.

En accord avec la Stratégie québécoise de recherche et d'investissement en innovation 2022-2028 (SQRI<sup>2</sup>), la Stratégie gouvernementale de développement durable 2023-2028 (SGDD 2023-2028) et conformément à leurs plans stratégiques 2022-2025, les FRQ visent à promouvoir le rôle de la science et de la communauté scientifique dans l'atteinte des enjeux portés par les ODD.

Les personnes candidates doivent indiquer brièvement, si leur projet s'y prête, la contribution de la recherche proposée à l'atteinte des ODD. Vous pourrez consulter le guide ODD FRQ pour de plus amples détails.

À partir de ces informations, les FRQ seront en mesure de générer des statistiques permettant de tracer le portrait de la contribution aux ODD de la recherche qu'ils financent et de promouvoir cette contribution, notamment dans le cadre de la SGDD 2023-2028. Seules des données agrégées seront diffusées, et ce, conformément à l'Énoncé relatif à la protection des renseignements personnels et confidentiels des FRQ (voir l'onglet DOCUMENTS).

\*Votre projet contribue à l'atteinte d'un ou de plusieurs ODD ?

O Yes O No

\*Décrire la contribution de la recherche proposée à l'atteint d'un de plus urs ODD.

odi. INFURIVIATIUN

Si vous avez répondu NON à la question précédente, vous pouvez sauvegarder, valider la page et passer à la section suivante. Si votre projet contribue à l'atteinte d'un ou de plusieurs ODD, identifier le ou les objectifs de développement durable des Nations Unies auxquels la recherche contribuera significativement.

Objectifs de développeme. dura ile

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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)

### SUPPLEMENT for teaching release for eligible Status 3 researchers with teaching duties.

Indicate the name of each college researcher requesting a teaching release, the amount requested for each (maximum \$16,000 per year) and justify the teaching release request, specifying each researcher's role in the research project.

The document must be no larger than 2 MB, contain a maximum of 1 page, be clearly readable, and be attached in PDF format.

### Fichier joint

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### Other sources of funding

	ner funding obtained for the same project on the list, see the tooltip to reques	ect or the same research program. If the funding source t an addition.		
	Have you obtained one or more sources of funding for this pro- research pro-	ject or OYes ONo		
Lis	t of funding obtained			
(Th	ne list is empty)			
	f you have obtained one or more sou he different funding sources.	rces of funding for this project or research program, justify and	explain clearly the c	omplementarity or possible overlaps of
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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 limbelow for a row 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 \$2,000 or less including taxes, which must be reported in the equipment (pure ase, ase, operating expenses n \$2,000 or less including taxes, which must be reported in the equipment (pure ase, ase, operating expenses n \$2,000 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 inluding the budget table for NSERC (3 pages).

File name Type of document Date Taille (Ko)
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### **Suggestions of experts**

Suggest 10 experts from Québec or outside Québec with recognized expertise in the research area of the application. The experts must have no current or recent (five years or less) collaborative relationship with the principal investigator or co-investigators. Please refer to the General Common Rules - Conflict of Interest Management.

The experts must have sufficient knowledge of the language in which the application is written.

The Fonds will decide whether or not to contact the suggested expert(s). They will not be notified of your suggestions.

List of experts

(The list is empty)

### 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.

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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.

If the files attached to the form are in English, you can include an English title and summary to facilitate the recruitment of evaluation committee members.

File name

Type of document

Date

Taille (Ko)

Taille (Ko)

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 own all rights to the content of this application and take full responsibility for it. Where applicable, these responsibilities are shared with my co-researchers.
- 4. 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 Dissemination Policy**, as they are updated periodically (see the « DOCUMENTS » tab), and to comply with all terms and conditions set out in the *Program rules* 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.
- 5. I have read and agree to comply with the standards of ethic and interactive of the 1 (Q, including the esset out in the *Politique d'éthique en recherche du FRQNT* (see the « DOCUMENTS » tab), as updated periodically, taking to ac out any a uptaions at plically in Québec and the ensuing obligations, and to subscribe to the best practices in my area of research.
- 6. I have read and agree to comply with the provisions of the *Policy for the Responsible Conduct* of Research of the FRQ (see the « DOCUMENTS » tab), as updated periodically, as well as those set out in institutional policies with regard to the responsible conduct of research, as they apply to my research activities. In the event of a breach of responsible conduct of research allegation. Lacept that the FRQ may exchange personal and confidential information concerning myself with the managing institution and the following a ganisation, if applicable, a Ca ada about the interpretation of the program of the program of which the allegation relates; any institution concerned by the allegation; and any public research funding according to the allegation. This information may be allegation, the supporting documents, the review apport etc.
- 7. I am not currently ineligible to receive funding from a Canadian or international public funding agency as the result of a **substantiated breach of responsible conduct of research.**
- 8. I shall immediately advise the look to we ich J am abmitting the application should be come if eligible to apply its funding of receive funding from a Canadian or international public funding agency as the reach of reach of reach of sponsible conductor international public funding agency as the reach of reach of receive funding from a Canadian or international public funding agency as the reach of reac
- 9. I understand that **failure to comply with any of these commitments** may lead to the withdrawal of an application 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* (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.

### Identification

You must agree with the commitments and authorization.