Name: File number: 358533

Instructions

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 12 September 2024 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 FRQnet forms</u> available in the Documents section of the FRQnet Electronic 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 advance of the dead line that we you to make any necessary corrections. The « Validate Form » button is located at the bottom of the « Signature and Subression » 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.

Principal Investigator

The Principal Investigator is responsible for the scientific direction and execution of the research project, the deployment of the 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 decider from the My Profile page of the FRQnet Electronic Portfolio. If the information is missing or incorrect, you can change it of the Arty Profile page of the FRQnet Electronic Portfolio. Adress: INFORMATION ELECTRON ADDRESS ELECTRON ADDRESS

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 <u>Institutions recognized by the FRQ to manage funding</u>.

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 section 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

Pre-eligibility

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.

I have read and undersood 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 have read and understood 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.

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.
Indicate the research to ics t iat a ply to y or appleation. *Research to ics t int a ply to y or appleation.
Research topic 2.
Indicate the field and sub-field of optication in which your research activities it. *Field of a, vlicar on Sub-field (* aprilicar 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

Responsible research

	luation committees . 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	n
	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.	 Yes, the research takes into account sex (biological aspects) or gender (sociocultural aspects). No, the research does not take into account second second gender. Not a pincable
Indicate if your research Pregram involves: *Clieck , ur c oice.	Res arch involving jumous (crect particip tion or he use if human bic ogical matrial or data concerning numans).
SE	Recherche involving animals Ione of the bove.
*I understand that approvals may be required before starting the research.	⊙Yes ⊙No

<u>Research ethics – Request for access to data</u> *Indicate whether the research involves a request for access to data concerning

human beings held by a Québec public

body (e.g. ministry, health

establishment).

⊙Yes ⊙No

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 of day-to-day human activity.
 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.

Abstract

Should I receive a funding offer, 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, X, etc.).

Accordingly, I am not including personal information or confidential or protected information that would 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.

○Yes ○No

Abstract for a general audience

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

*Abstract in French

Co-Investigators

Co-applicants list

Add co-investigators whose research statuses are eligible under the program rules. Status descriptions are provided in the <u>FRQ Common General Rules</u>. 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 FRQnet Electronic Portfolio; 2) submitted their updated Canadian Common CV to the Fonds; and 3) attached their updated Detailed Contributions file in their FRQnet Electronic 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)



Co-investigators from outside Québec

Co-applicants list

Un cochercheur ou une cochercheuse Hors Québec est une personne participant activement au déroulement d'un programme de recherche. Veuillez vous référer aux règles du programme pour connaître les conditions requises pour agir en tant que cochercheur ou cochercheuse Hors Québec.

Un cochercheur ou une cochercheuse d'une université ou d'un collège d'une autre province canadienne ou d'un autre territoire doit provenir d'un établissement admissible par le CRSNG.

(The list is empty)

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)

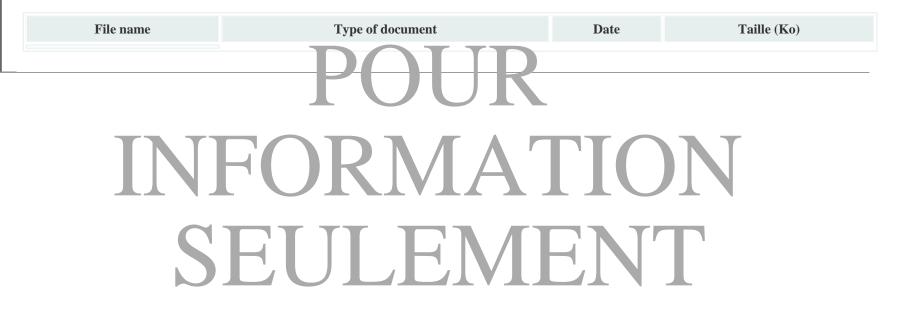
Project or program description

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 pages, be clearly readable, and be attached in PDF format.



Equity, diversity and inclusion

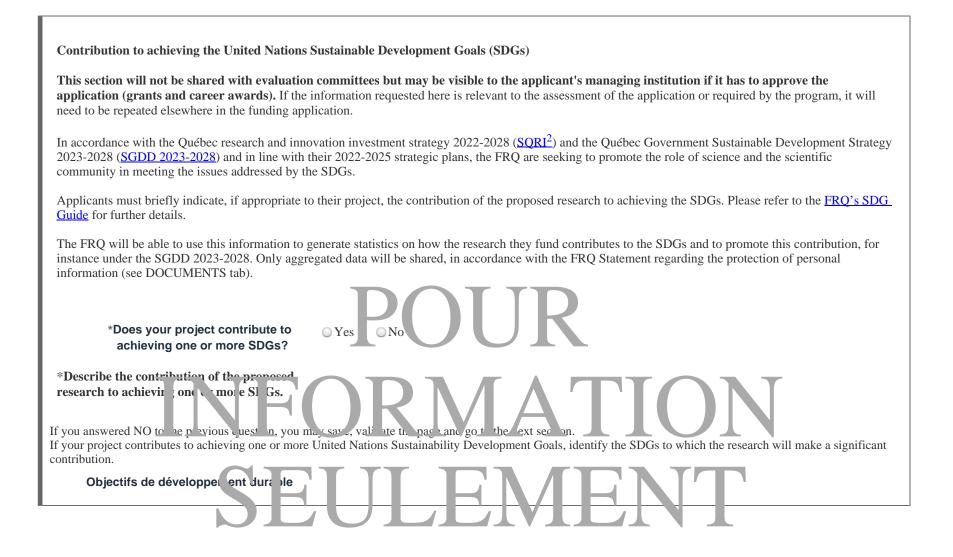
La présente section doit inclure toutes les informations nécessaires à l'évaluation du critère portant sur l'équité, la diversité et l'inclusion (EDI). Si certaines de ces informations sont fournies ailleurs dans le formulaire, elles doivent être répétées ici.

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.

File name	Type de document	Date	Taille (Ko)

Contribution to Sustainable Development Goals



Teaching release - Colleges

If applicable, please indicate the estimated amount of salary support requested for release from teaching duties for each team member meeting the status of "college researcher.

(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

File name

Taille (Ko)

Other sources of funding

Other funding obtained for the same project or the same research program. If the funding source is not on the list, see the tooltip to request an addition.			
Have you obtained one or more sources of funding for this pro research pro	ect or 🔾 Yes 🔍 No		
List of funding obtained			
(The list is empty)			
	t déjà été obtenus pour ce même projet ou cette même program possibles des diverses sources de financement.	mation de recherche, j	ustifier et expliquer clairement la
File name	Type de document	Date	Taille (Ko)
	POUR		
INFORMATION			

Budget

Subvention d'équipement (7 001\$ à 50 000\$) doit être utilisée dans les 12 premiers mois suivant l'émission de la lettre d'octroi.

- Pour chaque équipement, le coût unitaire doit être supérieur à 7 000\$ incluant les taxes.

- Le total de la Contribution demandée au Fonds ne doit pas excéder 50 000\$ incluant les taxes.

- Vous devez joindre 2 soumissions de fournisseurs* pour tout équipement dont le coût unitaire est supérieur à 25 000\$ incluant les taxes dans la section « Autres documents ».

*Une seule soumission peut être transmise en autant qu'elle soit pleinement justifiée dans le fichier joint.

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

Derating Grant For each category of eligible expenses, indicate the amount expected. Click on the link below for an overview of all eligible expenses. The total amount requested expanses must not exceed the limits thowed by the programmers. This includes small equipment, with a unit cost of \$7,000 or less includin taxe s, which must be reported in the "Eclipment (purchase, leile, openaling costs, r unitenalize, itstallation, reis, b" collegory of the budget grid below. Overview of eligible expenses (The list is empty)

Joindre ici un fichier PDF incluant la justification des dépenses prévues pour le FRQNT et pour la subvention d'équipement (3 pages) ainsi que la justification des dépenses prévues incluant le tableau budget pour le CRSNG (3 pages).

File name	Type of document	Date	Taille (Ko)

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 <u>General Common Rules</u> - Conflict of Interest Management.

Les formulaires de prédemande et de demande de financement sont en français, mais les documents qui y sont joints peuvent toutefois être rédigés en français ou en anglais. Les experts et expertes doivent avoir une connaissance suffisante de la langue dans laquelle est rédigée la demande de financement et les documents qui y sont joints.

Le Fonds peut décider de communiquer ou non avec les experts ou expertes suggérés. Ceux-ci ou celles-ci ne seront pas avisés de vos suggestions.

List of experts

(The list is empty)

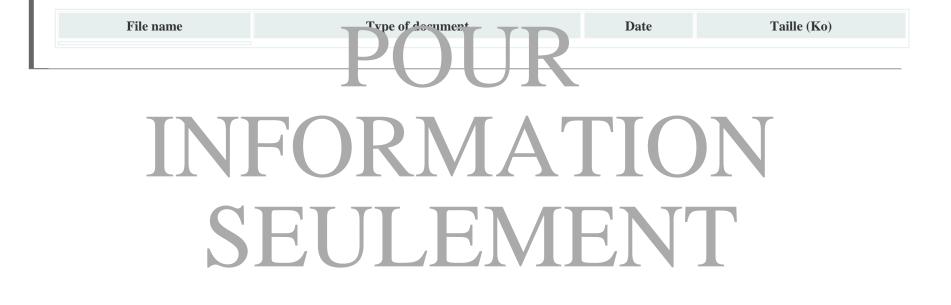
Other documents

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.

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.



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 FRQ, 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 who will contribute to the research project and the other project collaborators listed in my application, if applicable, have confirmed their commitment to the research project and **authorized me 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-investigators.

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 – 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* (see the DOCUMENTS tab), as they are updated periodically, and meet the terms 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 shall comply with the standards of ethic and integrity of the LQ, in rule g three set out in the set out in **Politique d'éthique en recherche du FRQNT** (see the DOCUMENTS tab), as it is periodically upd ted, ic he ensu g c ligation s an sub ribe to the best practices in my area of research.

6. I have read and shall comply with the provisions of the **Po** cy for the **Respersible Condict of Rese rch** of the FRQ (see the DOCUMENTS tab), as it is periodically updated, 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, I accept that the FRQ may exchange personal and confidential information concerning myself with the managing institution and the following organisations, if explicible in Cenade or abroad: their financial partners for the presume to which the allegation relates; any institution concerned by the allegation; in any p blic research fu din; agei y concerned to the allegation. This information may have the exploring documents, the review open returned.

7. I am not currently incligible to receive conding from a Canadian or incrnational rescarch conding agency as the result of a substantiated case of breach.

8. I shall advise the FRQ to which I am submitting the application should I become ineligible to apply for funding or receive funding from a Canadian or international research funding agency as the result of a **su stantiate case of bre ch**. The continuation Cany FL of the result of the result of Research Committee.

9. I understand that **failure to conply of these completeses** completeses 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.

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

The personal and confidential information collected by the Fonds de recherche du Québec - Nature et technologies (FRQNT) in connection with funding applications and documents related to an award is necessary and essential to **process** and **evaluate** funding applications, from eligibility to the announcement of the award. In addition, some of this information will be used to **manage** grants. The collection of this information is **mandatory** for the applicant to submit an application and, if applicable, obtain funding.

The information collected is treated in accordance with the Act respecting access to documents held by public bodies and the protection of personal information (CQLR, c. A-2.1) (hereinafter: the Access Act) as well as with **the Statement respecting the protection of personal and confidential information** (see the "DOCUMENTS" tab)(hereinafter: the Statement).

Programme NOVA (FRQNT-CRSNG) pour chercheurs et chercheuses de la relève	
Name:	

• I have read the Statement and I consent to the collection, use and disclosure of all personal and scientific information contained in my file in accordance with the terms and conditions set out in the Statement and in the Access Act, provided that persons having access to personal information agree to respect the confidentiality of such information.

Identification

You must agree with the commitments	O Yes
and authorization.	○ No