Read first – CY2024 updates



Use of Self-Identification Information

- Applicants will now be asked if they consent to the use of their selfidentification information in funding decisions
 - Found in Person Profile of the Research Portal
- May be used to adjust proportion of funded applications for members of underrepresented groups
 - Only meritorious applications would be adjusted

Indigenous Research

- Applicants are now asked to indicate in the first paragraph of their proposal summary if their research involves Indigenous Peoples and communities, therefore considered as Indigenous research.
- NSERC values research in any field or discipline related to the natural sciences and engineering that is conducted by, grounded in, or meaningfully engaged with:
 - First Nations, Inuit, Métis or other Indigenous Nations, communities, societies or individuals, and their wisdom, cultures, experiences or knowledge systems, as expressed in their dynamic forms, past and present.
 - Engagement with these communities must be conducted in a way that is agreed upon by all
 partners involved in order to be considered meaningful

ECR window & Contributions window for Competition 2024

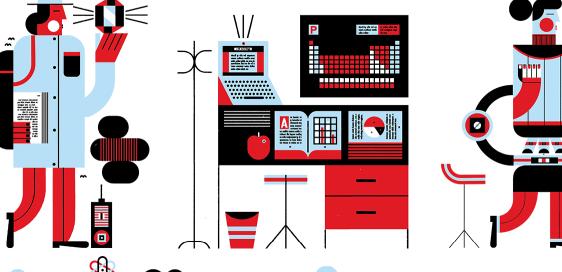


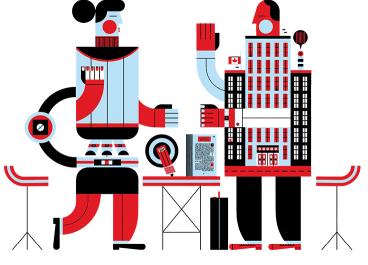
- Include contributions (Research & HQP training) within the six-year window:
 - Six-year window of contributions: January 1st, 2017 November 1st, 2023
 - Delays example: A researcher submitting an NOI in August 2023, who took a 6-month medical leave within the six-year window, may include contributions to research and training back to July 2016, using the Leaves of absence attachment.
- Five-year window for Early Career Researchers (ECRs) classification:
 - Researchers hired in their first eligible position on or after July 1st, 2018.
 - Delays example: A researcher submitting an NOI in August 2023, who took a 7-month parental leave (credited as twice the amount of delay time), must have been hired on or after May 2017 to be an ECR.

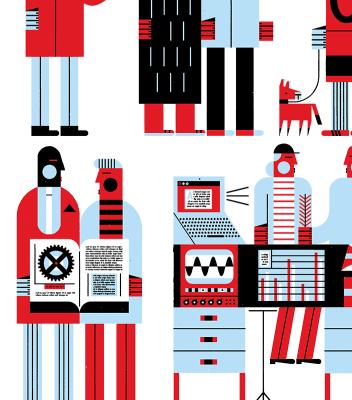
Merit of the Proposal (MoP)

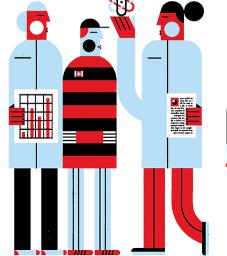
- Change to language in one element considered in the evaluation of the MoP criterion
 - From consideration of sex, gender and diversity in the research design to consideration of equity, diversity and inclusion in the research process
- New text (Peer Review Manual section 4.4.2):
 - Consideration of equity, diversity and inclusion in the research process:
 - Equity, diversity and inclusion considerations in the research process (e.g. the research questions, design of the study, methodology, analysis, interpretation, and dissemination of results) are integrated where relevant.



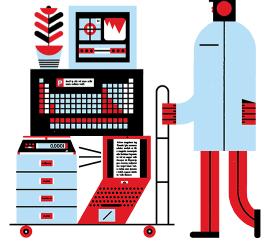














How to prepare a Discovery Grant (DG) application

Full application overview and tips (Part 1 of 3)



Life Cycle of a Discovery Grant Application



August

Submission of notification of intent to apply (due Aug. 1*)

September

Internal assignment to EG

October

Selection of
external reviewers
and preliminary
joint review
discussions

November

Submission of application

(due Nov. 1*)

December

Members receive applications and begin reviewing

January

Members review applications and external reviewer reports are received

February

Discovery Grants competition

April

Announcement of results

Overview

- Deadline: November 1st * internal deadlines are earlier
- Main components:
 - Grant application
 - Research proposal
 - Research contribution samples
 - Budget and justification
 - Canadian Common CV (CCV)
- Submission:
 - Research Portal

Discovery Grant updates - Early career researchers

- Applicants who have an <u>independent</u> academic position for <u>5 years or</u> <u>less</u> at the time of submitting the notification of intent
 - Five-year window adjusted for any eligible delay in research
 - All eligible leaves taken (e.g., parental, bereavement, illness of applicant or family)
 will now be credited as <u>twice</u> the amount of time taken
 - ECRs need to self-identify on the Research Portal at the full application stage by completing the Applicant Category module

Discovery Grant updates - DND supplement and NRS

DND/NSERC DG supplement

Proposed research must fit within DND defence and security target areas

Contact: dndsuppmdn@nserc-crsng.gc.ca
Webpage: DND/NSERC DG supplement

Northern Research Supplements (NRS)

- Updates from CY2020:
 - Boundary change: moved to the southern limit of "isolated patches of permafrost" from British Columbia to Labrador, including all of the three territories—wider area of inclusion
 - Selection criteria updated: weighted scoring applied to each criterion; more detailed feedback provided to applicants
 - Application incorporated into the Research Portal

Contact: EnviroSciences-SciencesEnviro@nserc-crsng.gc.ca

Webpage: Northern Research Supplements

Discovery Grant updates - DAS

Discovery Accelerator Supplements (DAS)

Updates for CY2022:

- Program suspended until further notice
- No new DAS awards, starting CY2022
- Ongoing DAS awards continue to be honored

NSERC will continue to monitor and assess the future role and objectives of the DAS program as it relates to NSERC's commitment to funding excellence in discovery research and training.

Contact: resgrant@nserc-crsng.gc.ca

Delays in research and dissemination of research results

- Eligible leaves of absence (e.g., maternity and parental leave, personal illness, chronic illness, mental illness, or disability associated with reduced research activity, leave taken by applicant for family-related illness, bereavement, and extraordinary administrative duties) are those taken within the last six years.
- COVID-19-related impacts on research and training are considered eligible delays.
- The impact of delays is taken into consideration in the assessment of contributions to research and/or training.

Delays: Where and how to describe in your application

- Applicant delays are recorded in the CCV, under the Employment section
- HQP delays are recorded in the HQP section of the application
- In both cases, clearly explain:
 - the duration (start/end dates, FTE if period of reduced research and training)
 - the impact on research and training (e.g., dissemination of results, ability to recruit or train HQP)
- Focus on the impact of the delay, not on the personal circumstances.
- Additional guidance on how to describe COVID-19-related impacts:

Impacts of the COVID-19 pandemic on research: New guidelines for NSERC's community

Delays in research: Leaves of absence attachment

Applicants who have reported an eligible leave of absence or delay in their CCV are entitled to an attachment that must be used to list **only** *supplemental contributions to research and to training* beyond the last six years, for a period equivalent to the duration of the leave or delay.

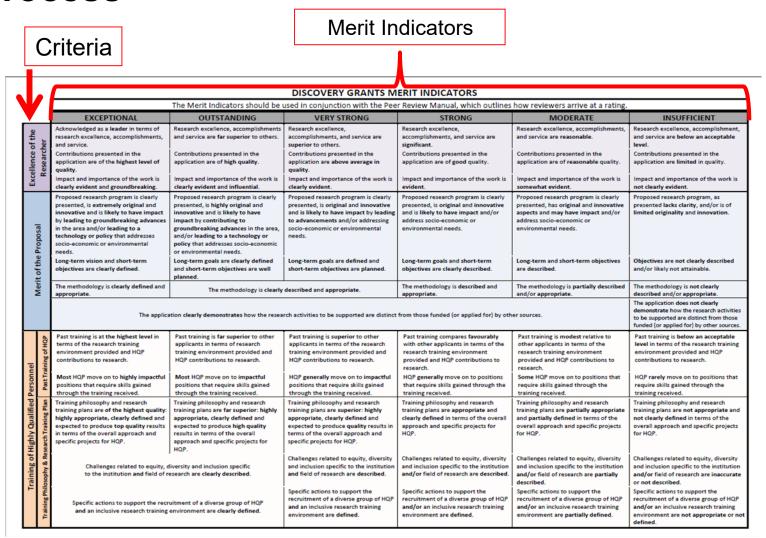
- <u>Contributions to research</u>: list of presentations, interviews and media relations, publications, intellectual property and recognitions
- Contributions to training: list of supervisory activities

Review Process

Step 1: Merit Assessment

- Three equally weighted criteria:
 - Excellence of the Researcher
 - Merit of the Proposal
 - Contribution to Training of Highly Qualified Personnel (HQP)
- Uses six-point scale
 - From "Exceptional" to "Insufficient"

Review Process



Review Process

Step 2: Funding Recommendations

- Applications grouped into 'bins' of comparable merit
- Similar overall ratings within an EG receive comparable funding

Review Process

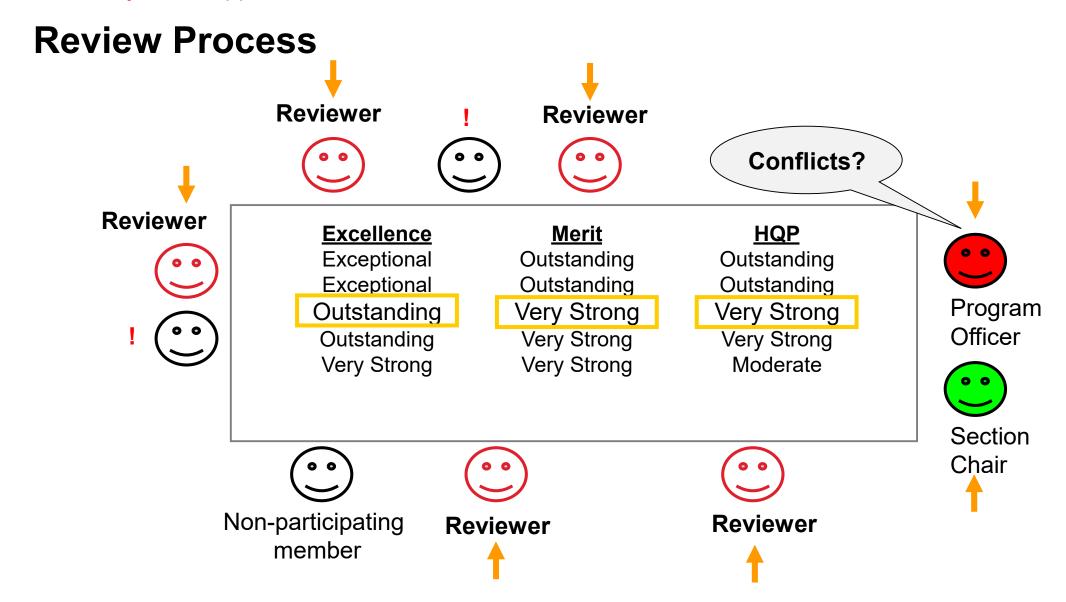
Step 1: Merit assessment

	Exceptional	Outstanding	Very Strong	Strong	Moderate	Insufficient
Excellence of the researcher	хх	x x	X			
Merit of the proposal		хх	x x x			
Contribution to the training of HQP		хх	хх		X	

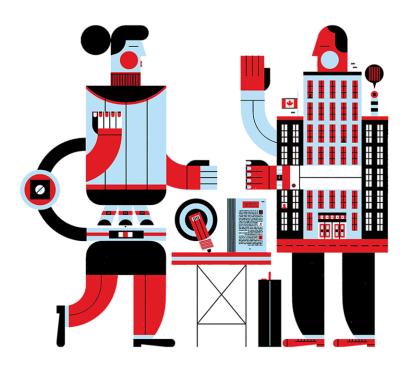
Outstanding – Very Strong – Very Strong

Step 2: Funding Recommendation

Funding Bin	Α	В	С	D	E	F	G	Н	I	J	К	•••	P
Value	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$



Full application overview and tips (Part 2 of 3)



Equity, Diversity and Inclusion (EDI) within Evaluation Criteria

Excellence of the Researcher

 Describe past contributions to the promotion of equity, diversity and inclusion in the research enterprise (if you contributed in this way).

Merit of the Proposal

 You are required to describe consideration of sex, gender and diversity in the research design (where applicable to the field of research).

Contributions to the Training of HQP

- You are required to describe barriers to equity and inclusion in your training environment, and EDI considerations in your future approaches to recruitment, training and mentoring.
- Describe barriers and specific actions implemented in support of EDI in your past training environment (if you contributed in this way).

Excellence of the Researcher

Assessment based on achievements demonstrated over the last active **six** years.

- Knowledge, expertise, and experience
- Quality and impact of contributions to Natural Sciences and Engineering (NSE) research
- Importance of contributions to researchers and end-users

Guidelines on the assessment of contributions to research, training and mentoring

Excellence of the Researcher

Members will assess this using information from:

- Most significant contributions (up to 5)
 - Highlight quality and impact
- Samples of research contributions
 - Up to 4 attached with application within the last active six years
- Additional Information on Contributions
 - Choices of venues, order of authors, etc.
- CCV contributions, recognitions, activities
- Leaves of absence attachment (if applicable)

Excellence of the Researcher

Most significant contributions:

- Describe up to five most significant research contributions and highlight quality & impact
- List all types of research contributions
- Explain your role in collaborative research activities
- Give other evidence of impact

Excellence of the Researcher

CCV:

- Recognitions (honors, prizes and awards, etc.)
- Activities (international collaborations, event administration, editorial activities, organizational review, knowledge and technology transfers, etc.)
- Memberships (service on committees)
- Contributions (publications, books, patents, etc.)

Merit of the Proposal

Assessment based on the following elements:

- Originality and innovation
- Significance and expected contributions to NSE research
- Clarity, scope of objectives, and appropriateness of methodology
- Feasibility
- Consideration of sex, gender and diversity in the research design (where applicable to the field of research)
- Appropriateness and justification for the budget
- Relationship to other research support

Merit of the Proposal

Members will assess this using information from:

- Research proposal (5 pages)
 - List of references (2 pages)
- Proposed expenditures and budget justification
- Relationship to other research support
 - Portal section (12000 characters)
 - CIHR and/or SSHRC summary and budget pages
 - CCV research funding history (applied & held)

Merit of the Proposal

Relationship to other research support All grants from CIHR and SSHRC:

- Proposed ideas, objectives and expenses are entirely distinct from support held or applied for
- Anticipated contributions to research resulting from the DG will be distinct from the ones resulting from CIHR or SSHRC support held or applied for

Merit of the Proposal

Relationship to other research support CIHR Foundation Grants (FG):

- DG applicants that hold or receive funds from a CIHR
 Foundation Grant must provide convincing evidence that
 support from DG is essential to carry out the work proposed.
 - → For guidance (not exhaustive):
 - Could the proposed DG be supported by the FG? Could the DG be a sub-program or component of the FG program?
 - Do the DG and FG have entirely distinct long-term goals? Are they entirely distinct programs of research?

Merit of the Proposal

Relationship to other research support Sources other than CIHR and SSHRC:

- Proposed ideas and objectives can be the same
- Proposed expenses must be distinct from support held
- Proposed expenses may be the same for support applied for, however applicants must indicate that no duplication of funds will occur if all applications are successful

Other Sources of Research Support

GRANT	Ideas/Objectives and	Expenses from funding			
GRANT	anticipated contribution to research	Applied for	Held		
CIHR – Foundation Grants	Entirely distinct & Justification that DG is essential	Not applicable (program phasing out)	Different		
CIHR or SSHRC – All Grants	Entirely distinct	Different	Different		
All sources of support other than CIHR or SSHRC: • Other federal grants: • NSERC – all Grants (incl. CHRP) • Tri-Agency initiatives: NFRF, CRC, CERC • Provincial • Private • Other* (e.g. NGO, university) *This list is not exhaustive	No restriction	Confirm that there will be no duplication of funding for the same expense(s); otherwise, explain how funds will be used if all applications are successful	Indicate that expenses are different		

Note: The evaluation of other sources of support is limited to research support that will be, or may become, active within the funding period of the proposed Discovery Grant.

Merit of the Proposal

Common mistakes in addressing funds from other sources:

- CCV amounts and application information do not match or are missing
- Role in joint funding is not explained
- Funding applied for not listed or not explained
- Planned expenses are not explained or overlap
- Summary and budget pages from CIHR and/or SSHRC are missing
- CIHR Foundation application not addressed in CCV or application when applicant holds or receives funds

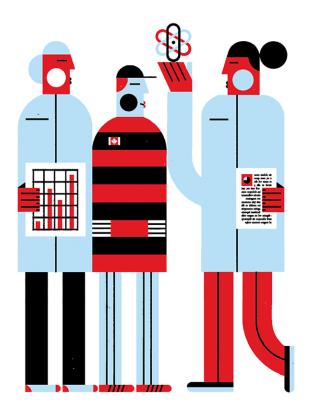
Subject Matter Eligibility

- NSERC supports research whose major challenges lie in the natural sciences and engineering (NSE), other than the health sciences.
- The intended objective(s) of the research must be to advance knowledge in one or more of the NSE disciplines.
- Applicants should refer to:
 - Selecting the Appropriate Federal Granting Agency
 - Addendum to the Guidelines for the Eligibility of Applications Related to Health
 The Addendum provides examples that illustrate the eligibility of applications related to human health.

Merit of the Proposal

- Keep in mind that two audiences read your application: expert and non-expert
- Provide a progress report on related research
- Position the research within the field and state-of-the-art
- Clearly articulate short- and long-term objectives
- Provide a detailed methodology and realistic budget
- Consider comments/recommendations you may have received for previous applications
- Integrate HQP into the proposal
- Follow research portal presentation and attachment standards

Full application overview and tips (Part 3 of 3)



Contributions to the training of HQP

Why is NSERC asking for information about existing challenges or barriers to inclusion?

"Achieving a more equitable, diverse and inclusive Canadian research enterprise is essential to creating the excellent, innovative and impactful research necessary to advance knowledge and understanding, and to respond to local, national and global challenges."

Source: Tri-agency statement on equity, diversity and inclusion (EDI)

Contributions to the training of HQP

There are two key elements; assessment is based on both:

- the past contributions to training; and
- the future plans for training

Quality research training at all levels are valued, including:

- Undergraduate students involved in research
- Graduate students and postdoctoral fellows
- Technicians and research associates
- Other research personnel from non-academic sectors (i.e., government or industry)

Contributions to the training of HQP

Evaluation Group will assess HQP using information from:

Application

- Past contributions to HQP training
- HQP training plan

CCV

Supervisory activities and contributions

Past contributions to the training of HQP

Assessment based on contributions to training over the last **active six years**; 2017-2023 in the absence of eligible delays for the 2024 DG competition.

Includes three components:

- 1. Training environment
- HQP awards and research contributions
- 3. Outcomes and skills gained by HQP

Focus on quality and impact of training

Guidelines on the assessment of contributions to research, training and mentoring

Past contributions to the training of HQP

1. Training environment (1/2)

 research training and development opportunities provided for HQP (e.g., science outreach and engagement, interdisciplinary research, promoting EDI in the NSE, collaborations, interaction with the private and public sectors)

Past contributions to the training of HQP

1. Training environment (2/2)

- Challenges or barriers encountered in ensuring an inclusive research and training environment (if you participated this way)
- Specific actions implemented to support equity and inclusion in the research training environment (if you participated this way)
 - Specific actions can occur at any stage of training
 - There is no priority or value placed on different stages
 - You are not expected to participate at every stage

Past contributions to the training of HQP

2. HQP awards and research contributions

- Awards and scholarships of individual HQP can be described when prior consent has been given
- HQP should be indicated in CCV using "*" on research contributions (usually as co-authors) when prior consent has been given

Applicants are instructed to summarize HQP presentations in application; do not list them in the CCV.

Past contributions to the training of HQP

3. Outcomes and skills gained by HQP

- Most significant HQP outcomes and how applicant's training contributed to HQP's success
- Successful outcome?
 - Any outcome in which the HQP has impact
 - Impact can be in the NSE or in other fields, but it must be clear how skills gained in the applicant's research training environment are being used by HQP
- Note impact of delays in training (those of HQP or the applicant)

Past contributions to the training of HQP

Within the CCV

- Use asterisk (*) to identify HQP co-authors in CCV when prior consent has been given
- Include present position in CCV (career, further studies) when prior consent has been given
- Do not select "academic advisor" in CCV

Within the application

- Describe the nature of HQP studies and their level of involvement in your research
- Explain your role in any co-supervision
- Explain any delays in training (e.g., leaves taken by HQP)

Early Career Researchers should not be rated *Insufficient* solely due to the lack of training record.

Future plans for training

Include two components:

- 1. Training Philosophy
- 2. Research Training Plan

Future plans for training

1. Training Philosophy (1/2)

- Existing challenges or barriers to inclusion and advancement of underrepresented groups, specific to the applicant's research context
- Planned approach to promoting the participation of a diverse group of HQP, taking into account equity and inclusion in recruitment practices, mentorship approaches and initiatives aimed at ensuring an inclusive research and training environment

Future plans for training

1. Training Philosophy (2/2)

- Approach to training HQP, how does the applicant intend to train the future generation of scientists and engineers
- Details of mentoring approach
- Intellectual involvement of HQP in the research program
- Type of research training and development opportunities that will be provided

Future plans for training

2. Research Training Plan

- Focus on quality, suitability and clarity of plan
- Highlight the suitability and inclusion of HQP in research program and specific anticipated projects within NSE
- Explain anticipated outcomes, planned future contributions to knowledge, and development of new skills or knowledge
- Explain value of projects for HQP
- Justify any limitations to HQP training
- Explain your role in any planned co-supervision or collaboration

Tips

- Read other successful applications
- Ask colleagues and/or your RGO for comments on your application
 - Ask both experts in your field and non-experts to review
- Plan ahead and check institutional deadlines
- Use the resources available

NSERC Contacts

Discovery Grants Program (including eligibility)	resgrant@nserc-crsng.gc.ca
NSERC Staff	First name.last name@nserc-crsng.gc.ca
Deadlines, acknowledgement of applications and results	Your university Research Grants Office (RGO)
Use of Grant Funds Grant Administration	usegrantfund@nserc-crsng.gc.ca grantadministration@nserc-crsng.gc.ca
On-line Services Helpdesk	webapp@nserc-crsng.gc.ca

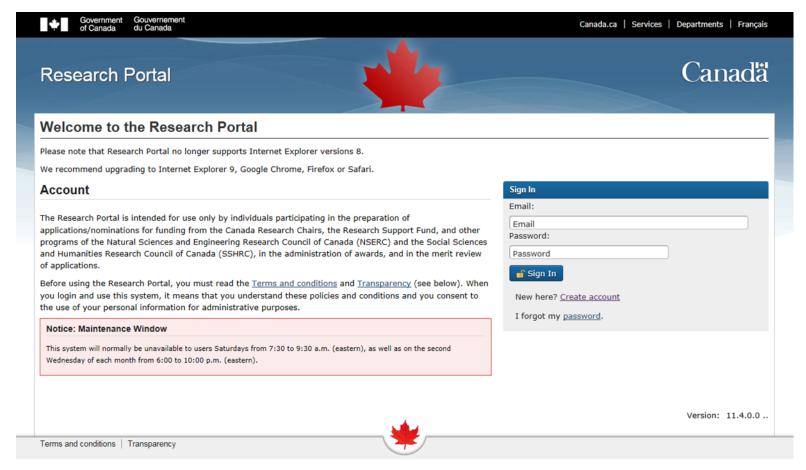
Available Resources

- Discovery Grants Information Centre
- Discovery Grants Program Description
- Discovery Grants Resource Video
- Peer Review Manual
 - Includes information on each of the three criteria and the merit indicators
- HQP FAQ Document
- Impacts of the COVID-19 pandemic on research: New guidelines for NSERC's community
- Webinars on how to apply

How to Complete your NSERC_Researcher CCV



Log-in



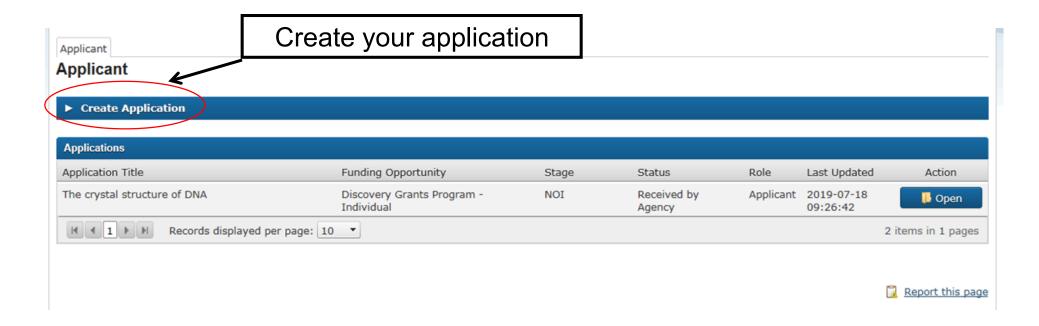
https://portal-portail.nserc-crsng.gc.ca/s/login.aspx

Collection of Self-Identification Data

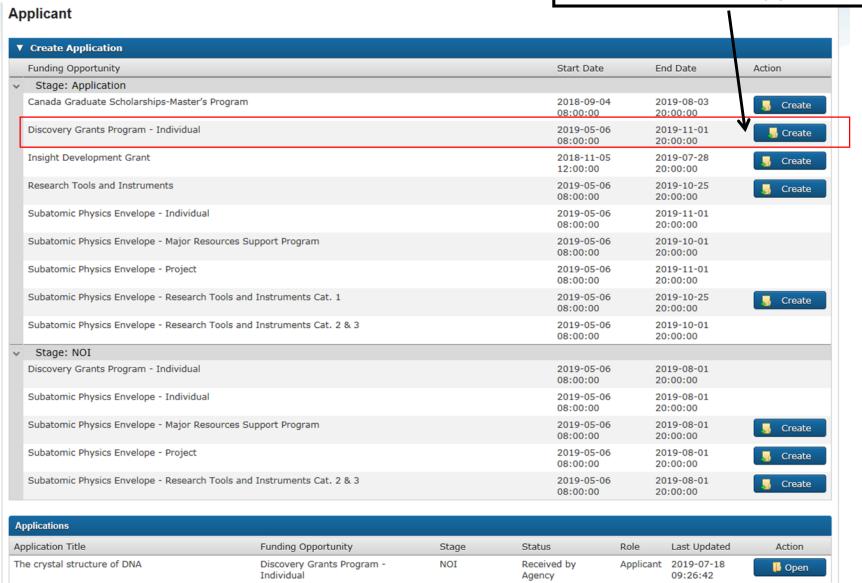


Collection of Self-Identification Data

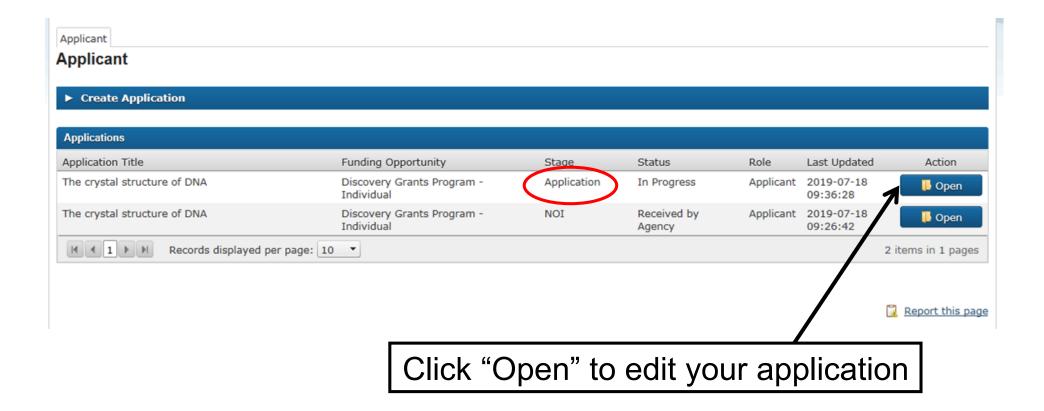
1. What is your date of birth? (YYYY-MM-DD)	The Employment Equity Act defines visible minorities as "persons, other than Aboriginal peoples, who are non-Caucasian in race or non-white in colour."			
	5. Do you identify as a member of a visible minority in Canada?			
☐ I prefer not to answer	○ Yes			
2. Select the option that best describes your current gender identity	○ No			
○ Gender-fluid	I prefer not to answer			
O Man	Note: if you answered "Yes" to question 4a (i.e., you are an Indigenous person), select "Population group not listed above" for this question. You can also select from the list any other population group that applies to you.			
Ononbinary				
○ Trans man	6. Select the population groups you identify with			
○ Trans woman	Arab			
O Two-Spirit	Black			
○ Woman	Chinese			
I don't identify with any option provided.	Filipino			
○ I prefer not to answer	Japanese			
	Korean			
3. Select the sexual orientation that best describes how you currently think of yourself	Latin American			
○ Asexual	South Asian (e.g., East Indian, Pakistani, Sri Lankan, etc.)			
O Bisexual	Southeast Asian (e.g., Vietnamese, Cambodian, Laotian, Thai, etc.)			
○ Gay	West Asian (e.g., Iranian, Afghan, etc.)			
Heterosexual	White			
Lesbian	Population group not listed above			
Pansexual	☐ I prefer not to answer			
Queer				
Two-Spirit I don't identify with any option provided.	The Accessible Canada Act defines disability as "any impairment, including a physical, mental, intellectual,			
I prefer not to answer	cognitive, learning, communication or sensory impairment—or a functional limitation—whether permanent,			
	temporary or episodic in nature, or evident or not, that, in interaction with a barrier, hinders a person's full and equal participation in society."			
4a. Do you identify as Indigenous, that is, First Nation (North American Indian), Métis or Inuk (Inuit)?	7a. Do you identify as a person with a disability as described in the Act?			
○ Yes	○ Yes			
○ No	○ No			
○ I prefer not to answer	O I prefer not to answer			



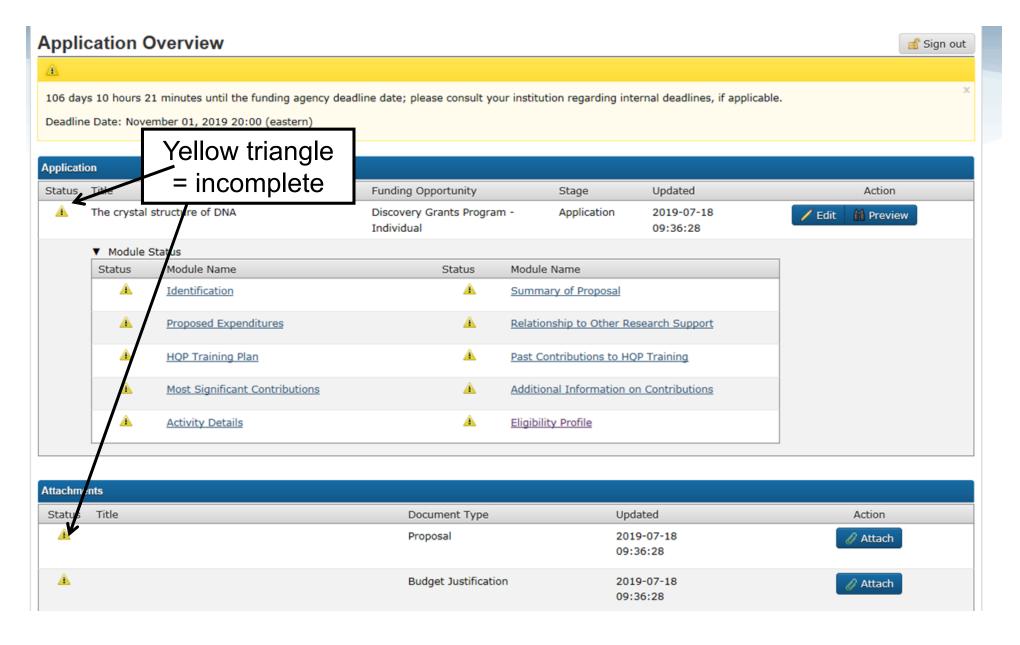
Click to create application



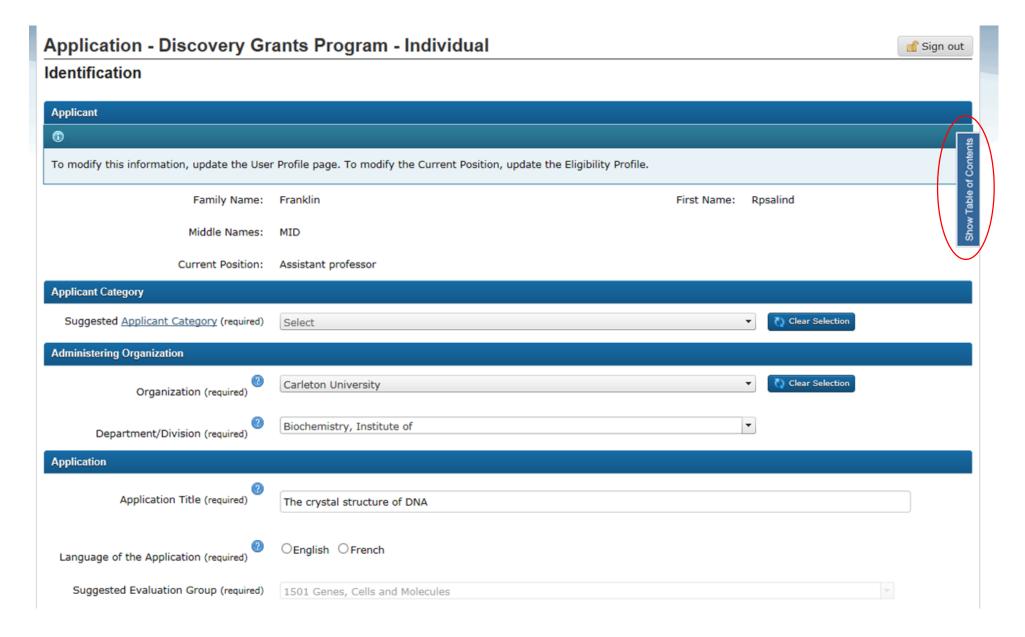




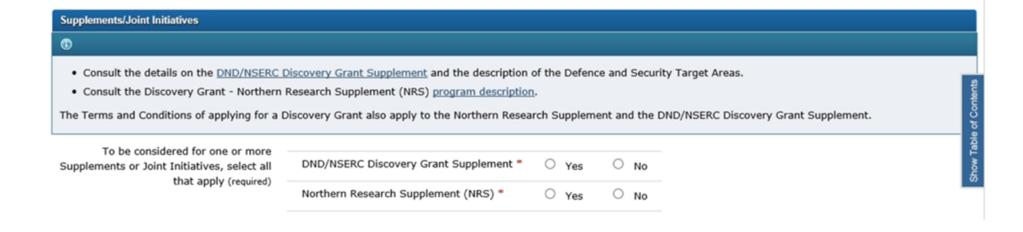
Navigating the research portal



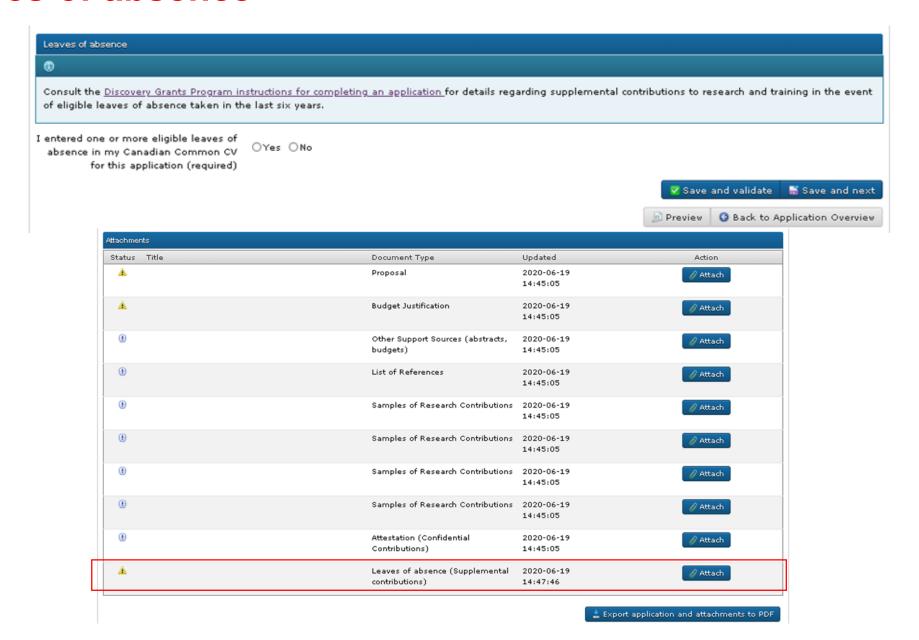
Identification



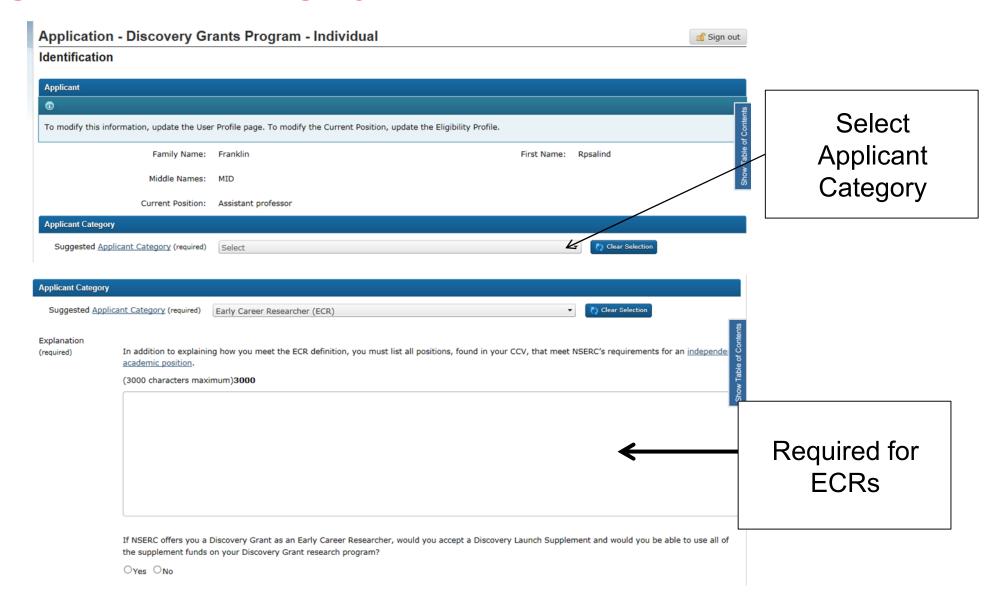
Supplements/Joint Initiatives



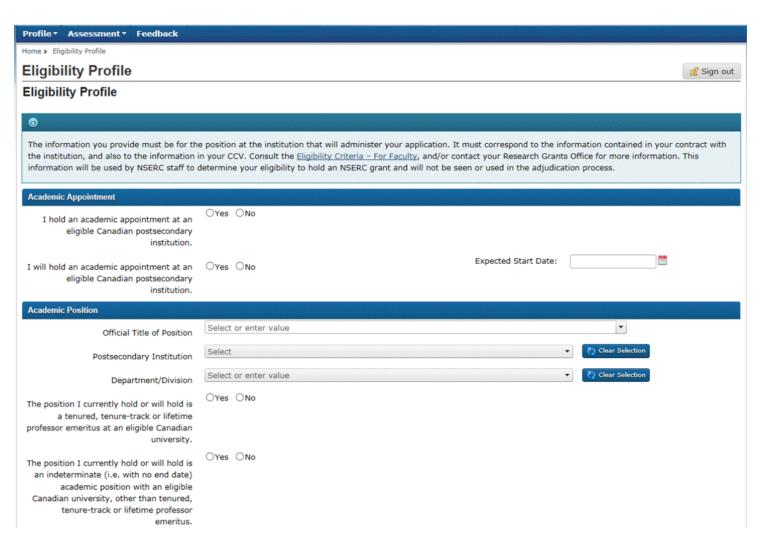
Leaves of absence



Selecting Applicant category



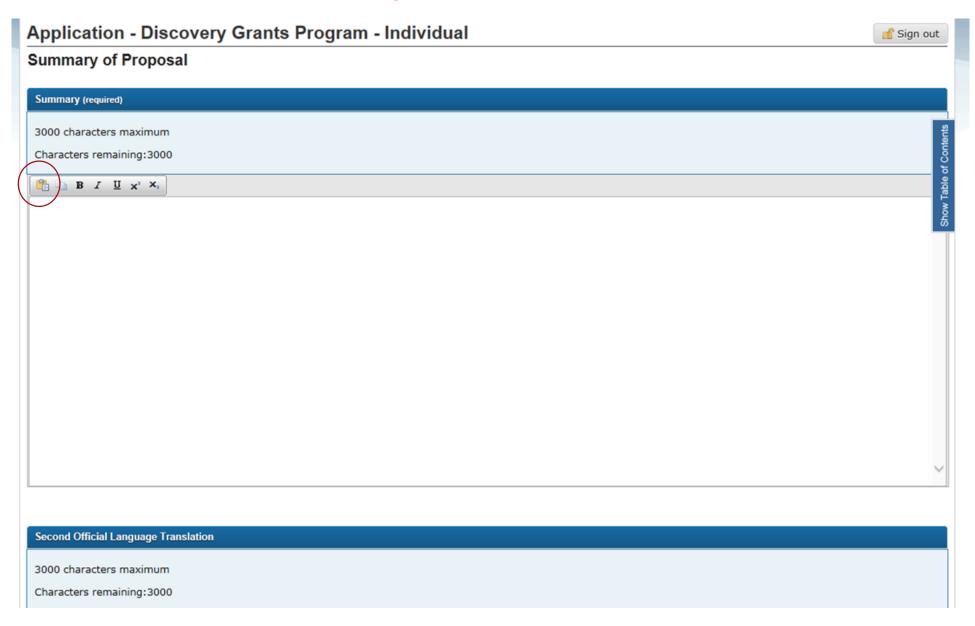
Eligibility Profile



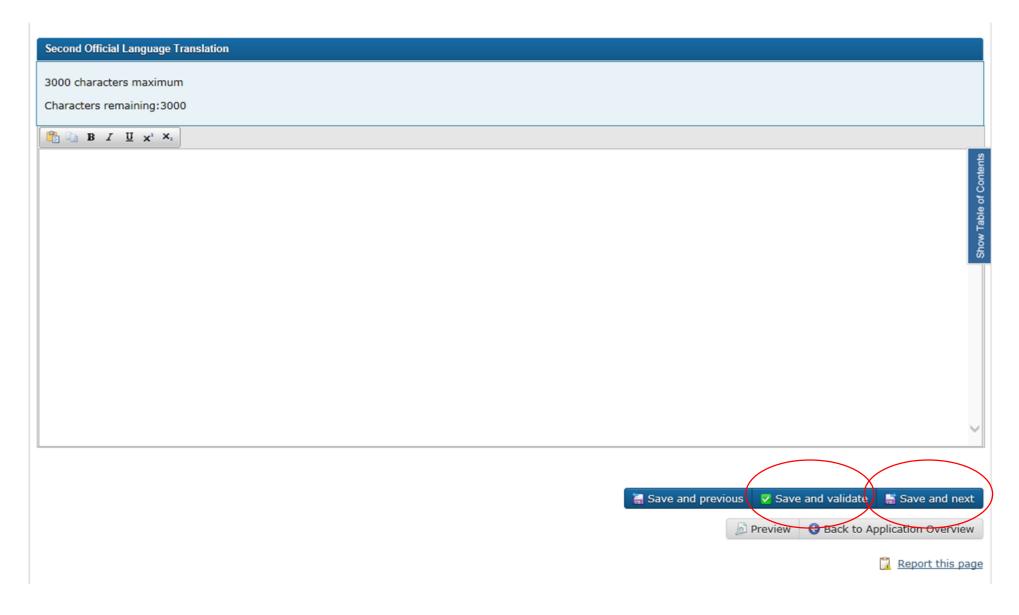
Eligibility Profile

The position I currently hold or will hold is a term or contract academic position of no less than three years at an eligible Canadian university.	OYes	○No	From: To:	
In addition to the academic position named above, I hold a remunerated position at an <u>eligible Canadian institution</u> .	○Yes	○No		
In addition to the academic position named above, I hold a position outside the university sector.	○Yes	○No		
I hold a position outside of Canada.	○Yes	○No		
I am enrolled in a graduate program in the natural sciences or engineering, or I hold a postdoctoral position.	Oyes	○No		
				▽ Validate

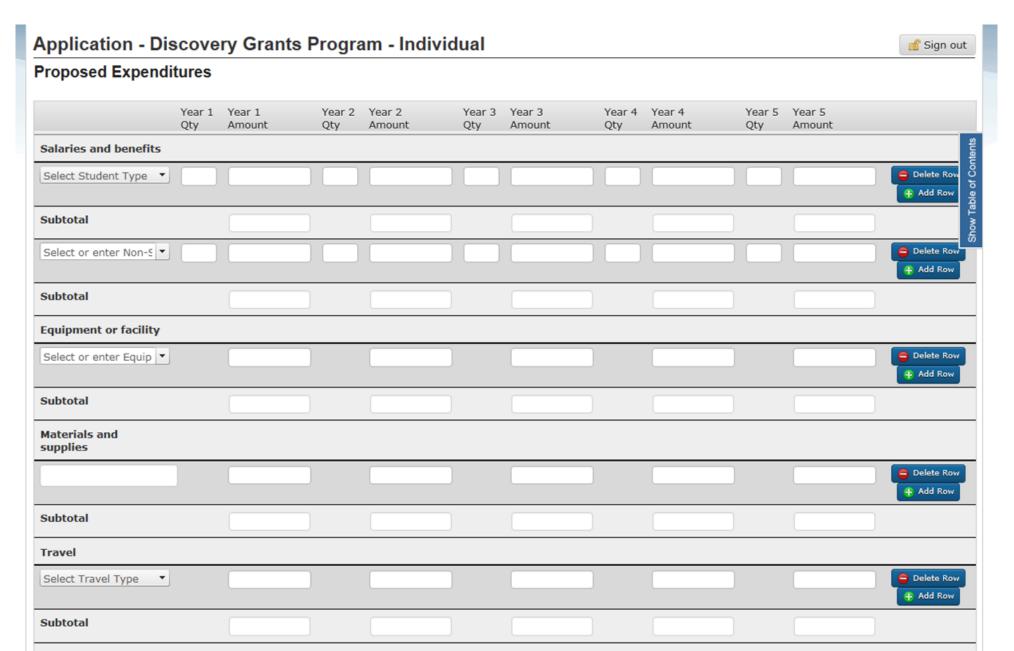
Summary of the proposal



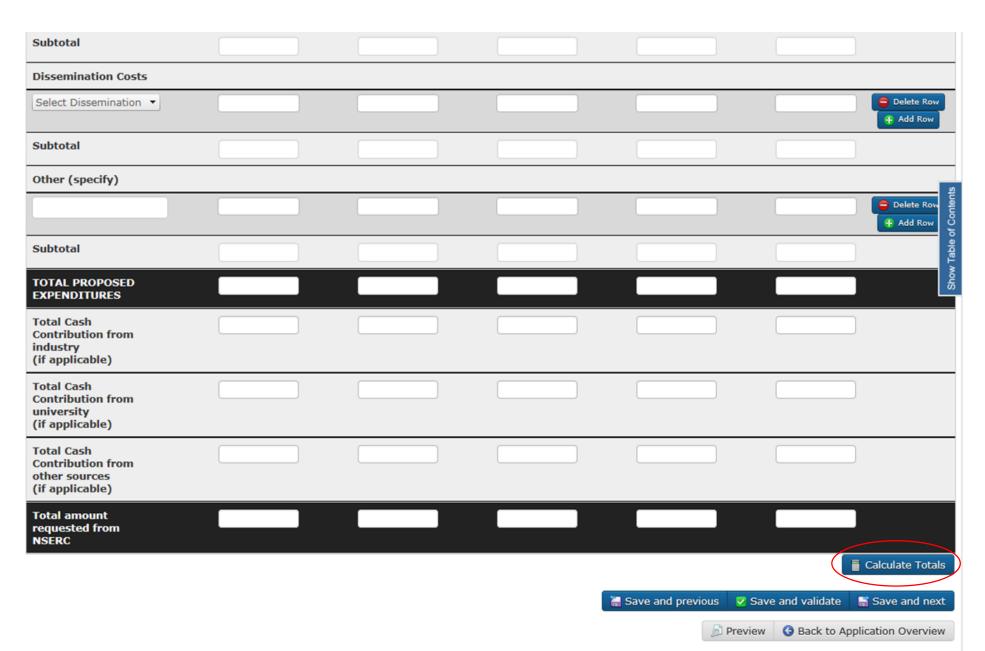
Summary of the proposal



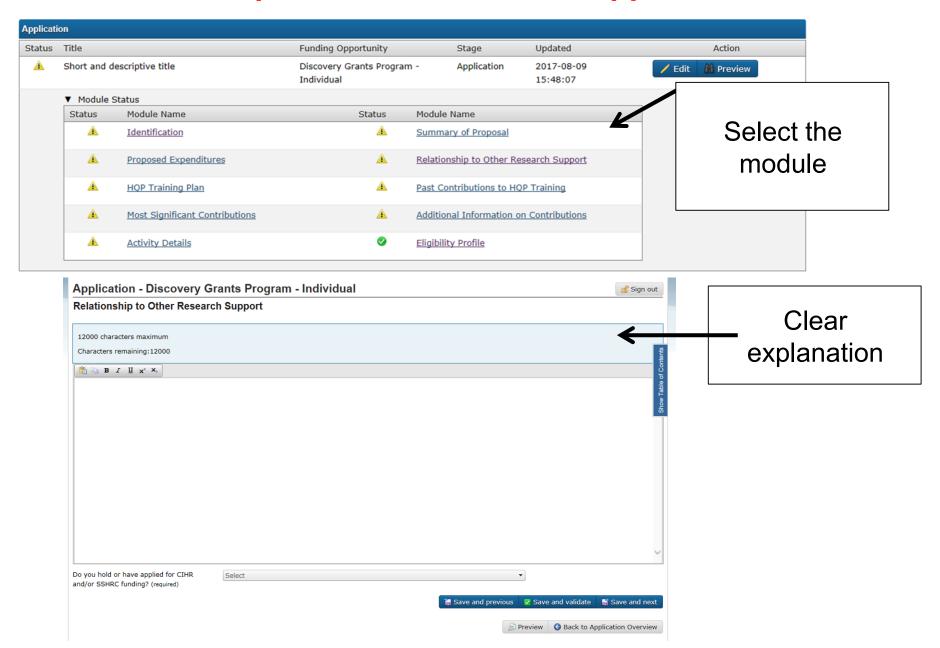
Proposed Expenditures



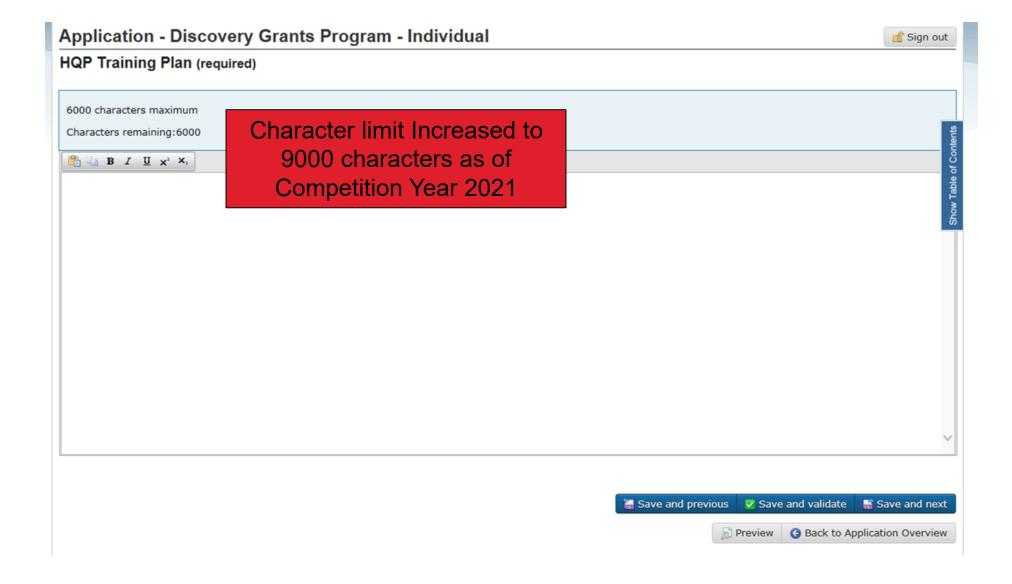
Proposed Expenditures



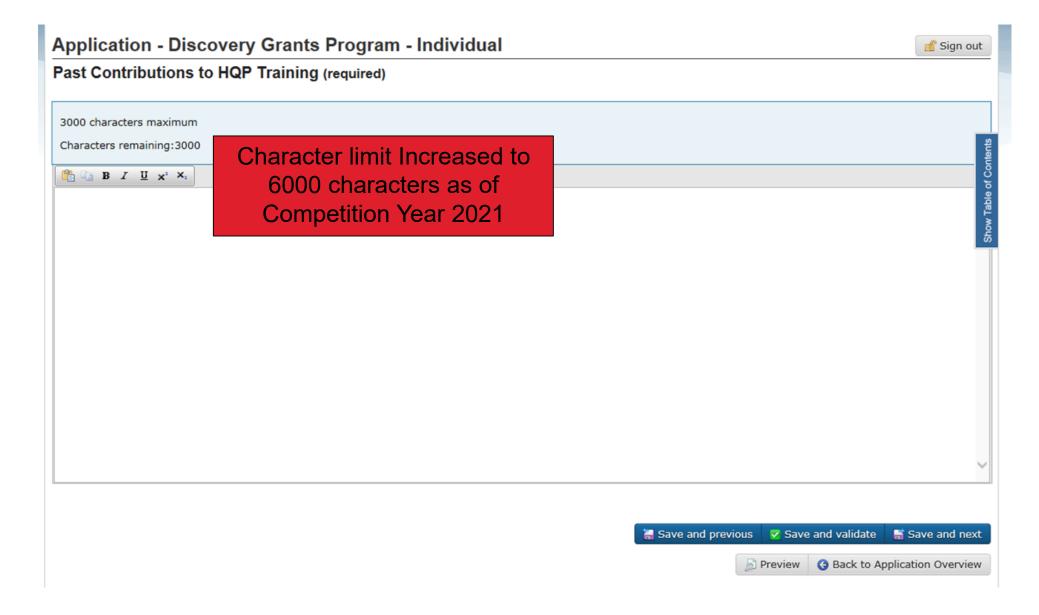
Relationship to Other Research Support



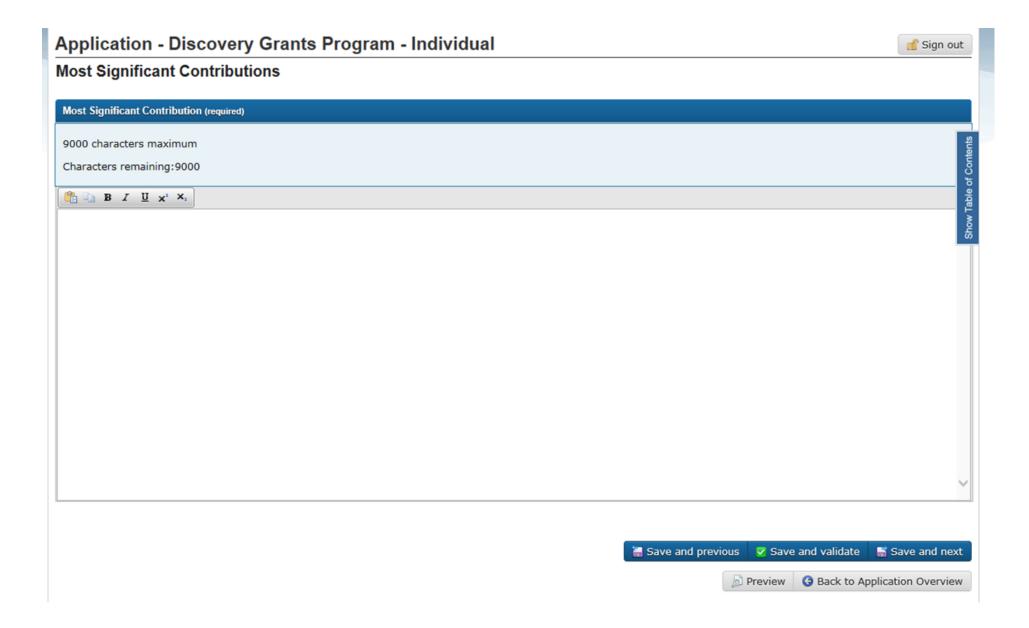
HQP Training Plan



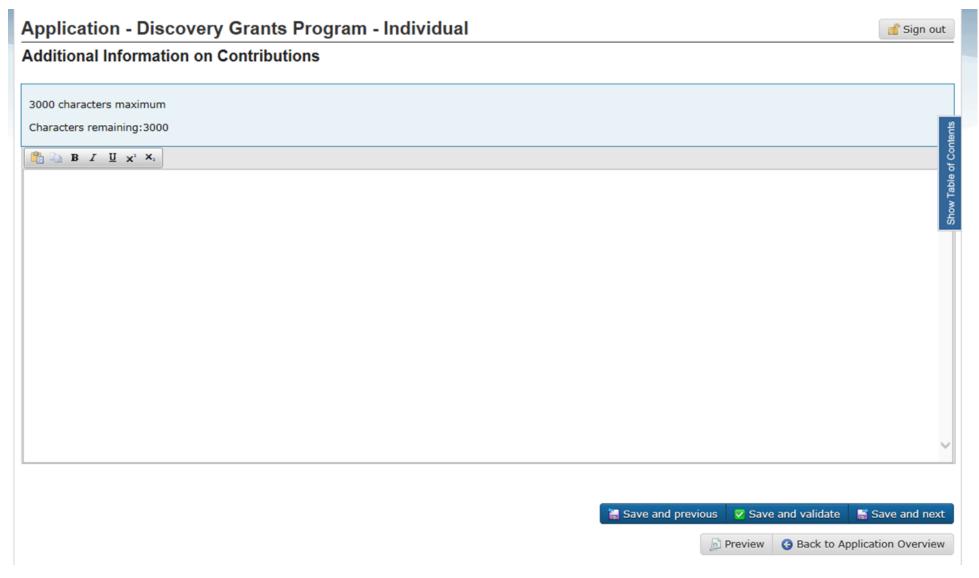
Past contribution to HQP training



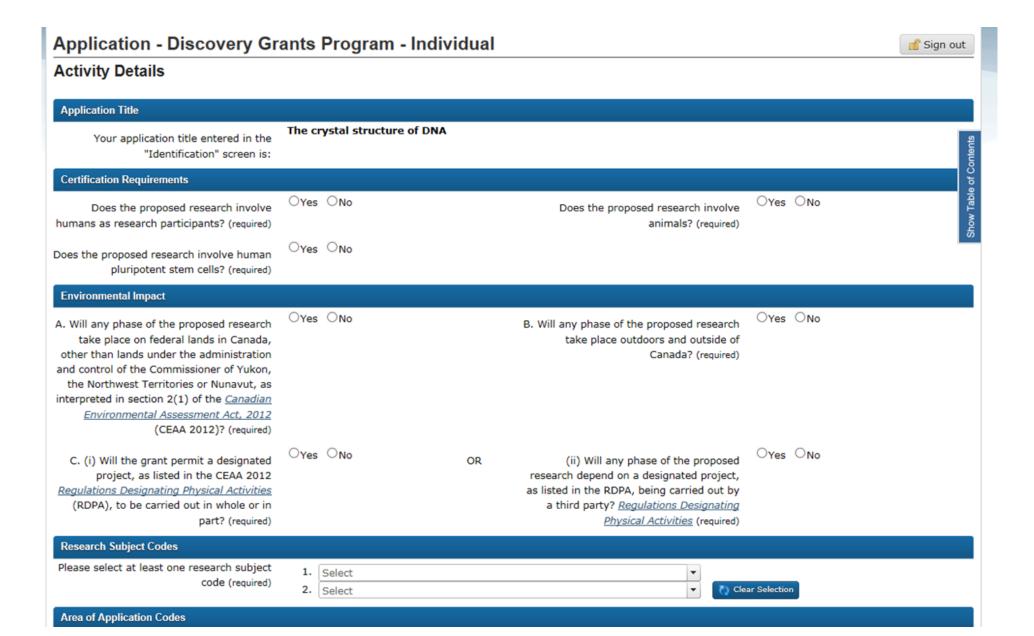
Most Significant Contributions



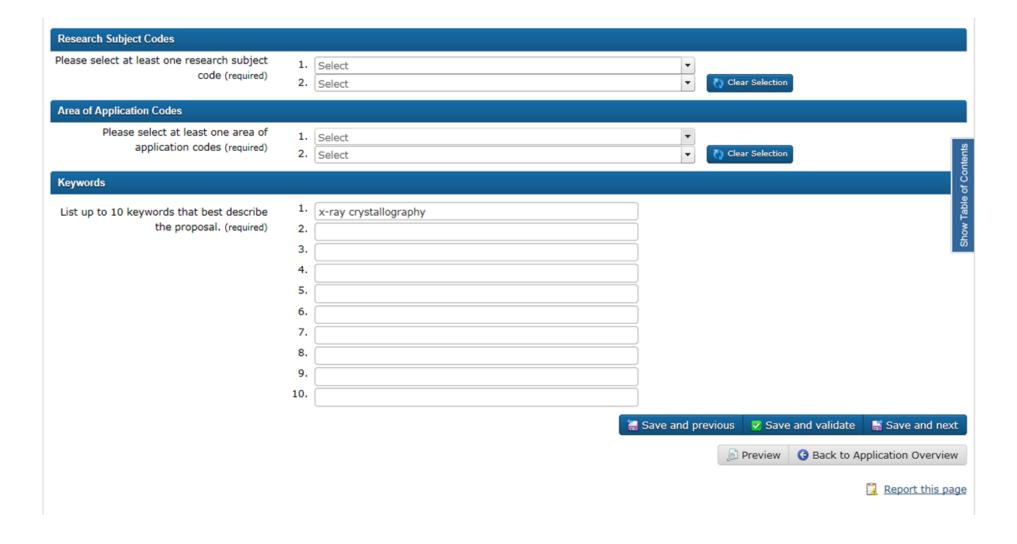
Additional Information on Contributions



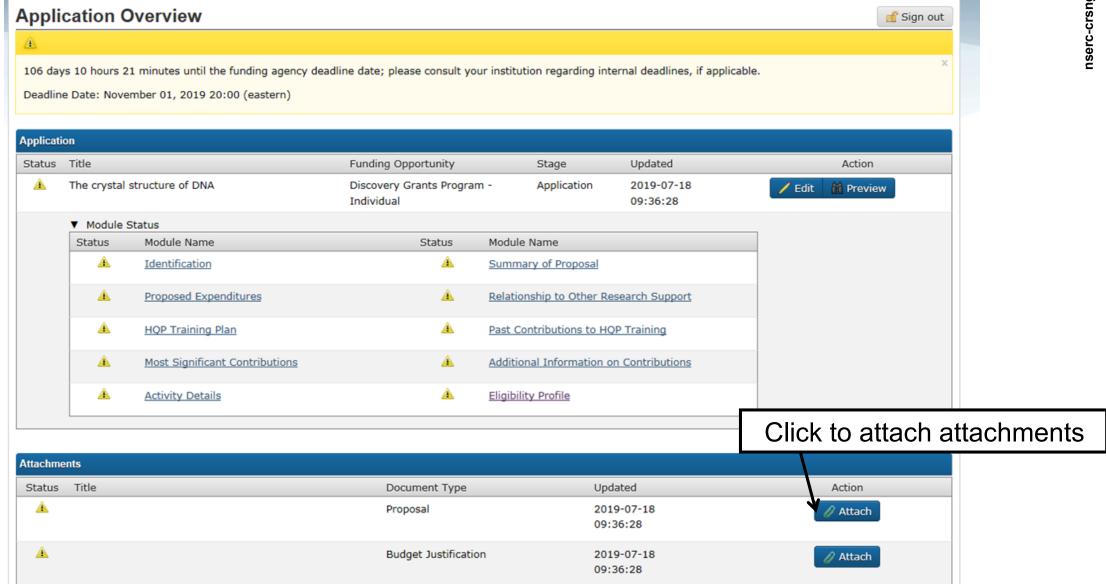
Activity details



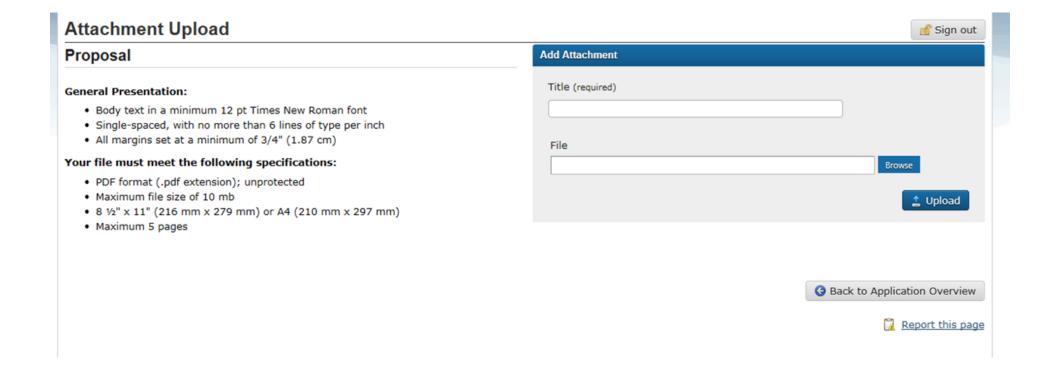
Activity details



Attachments



Attachments





82



83



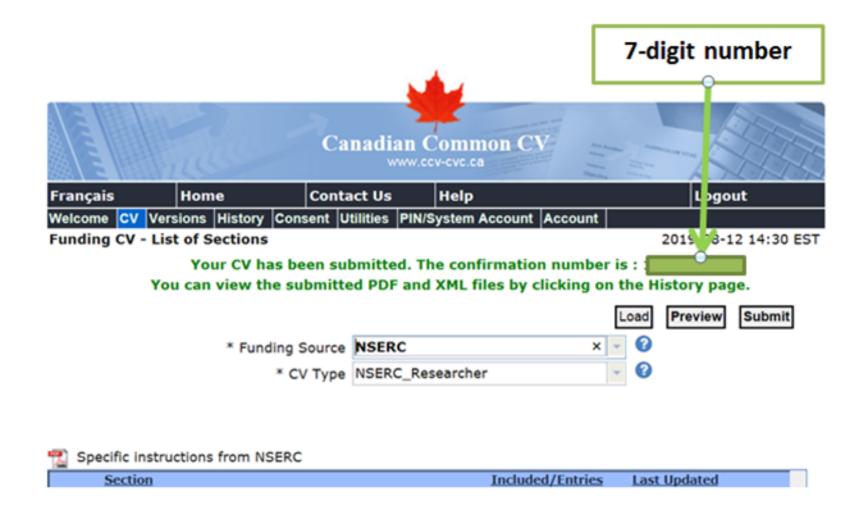


I Agree I Disagree

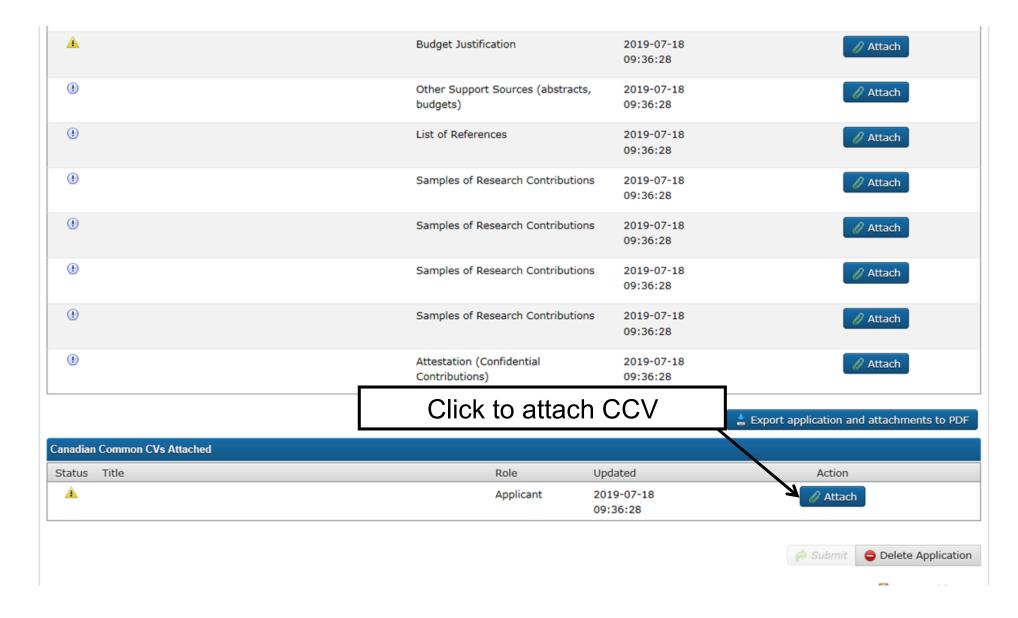
You are about to submit and share your electronic Curriculum Vitae with other institutions. Once such information is successfully forwarded, the designated institution will be responsible for the management and protection of the personal information shared. Please note: for privacy inquiries, you must contact each institution directly. You agree to share your CV and personal information with the institutions you have chosen here. For additional details please see the Privacy Notice Statement.

Modified: 2019-06-25 13:44





Attach CCV



Uploading CCV

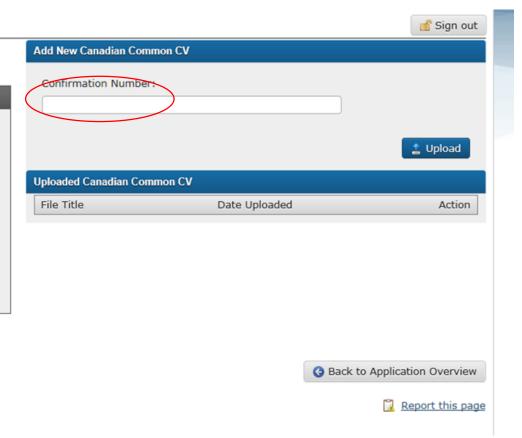
Canadian Common CV Upload

See the <u>instructions</u> on how to use the Canadian Common CV (CCV) for information on completing and attaching your CCV.

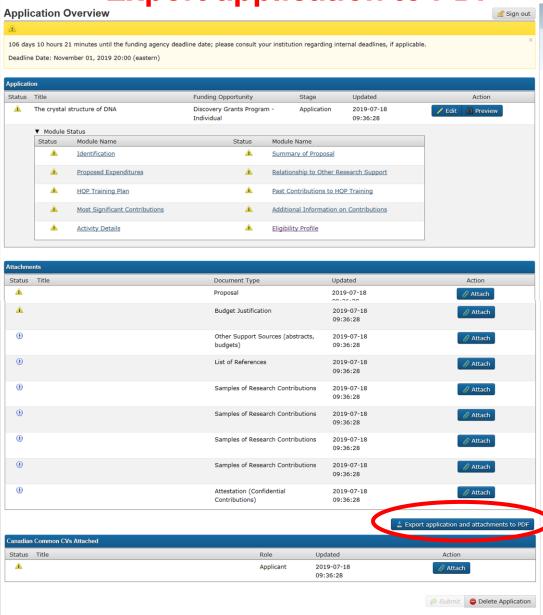
Note: To successfully upload your CCV, the first name and family name used to create your CCV site account **must be identical** to those used to create your Research Portal account. As well, the email address used to create your Research Portal account **must be identical** to at least one of the emails you listed on the CCV site (i.e., the email used to create your CCV account, or any of the emails you included in the Email section of your CCV).

Research Portal: To change your family name, first name and/or email address, go to User Profile.

CCV: To change your family name, first name and/or email address, log into the CCV and click "**Account"** in the top menu bar. To change any other email addresses included in your CCV, go to the Email section of the relevant CCV template.



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Submitting an application

