EU-Canada Research Opportunities

Tri-Agency Funding Opportunities

Kim Douglas
February 3, 2021
Overview of CIHR

Created in 2000, CIHR is a unique model of health research

250 + Partners

$1.18B Forecasted budget* (2019-20)

265 + Institutions supported

7,400+ Grants and awards

As part of its mission, CIHR seeks to lead, stimulate, and facilitate effective international involvement in health research that benefits Canadians and the global community.

**Connect**
Canadian health researchers internationally

**Mainstream**
Global health research

**Increase**
Canada’s international influence and visibility
Joint Transnational Calls for Proposals 2021 with Canadian Dedicated Funds

1 European Joint Programme on Rare Diseases (EJP RD)

**Topic:** “Social Sciences and Humanities Research to improve health care implementation and everyday life of people living with a rare disease” an international component of the CIHR Personalized Health Initiative

**Funding:** $1.5M from CIHR-IG to support the Canadian component of up to 5 transnational teams, over 3 years. $100K per year for 3 years. Estimated call budget 11.5 million Euro.

**Deadline**
- Pre-proposal - February 2021
- Full proposal - June 2021

2 Joint Programming Initiative on Antimicrobial Resistance (JPI AMR)

**Topic:** “One Health interventions to prevent or reduce the development and transmission of antimicrobial resistance” an international component of the CIHR Antimicrobial Resistance Initiative

**Funding:** $2.2M from CIHR (III and IPPH) to support the Canadian component of up to 4 transnational teams, over 3 years. $200K for the coordinator of the team of $166,667 to participate in the team per year for 3 years. Estimated call budget 24.9 million Euro.

**Deadline**
- Pre-proposal - March 2021
- Full proposal - July 2021
Joint Transnational Calls for Proposals 2021 with Canadian Dedicated Funds

Joint Programme - Neurodegenerative Disease Research (JPND)

Topic: “Linking pre-diagnosis disturbances of physiological systems to Neurodegenerative Diseases”
an international component of the CIHR Dementia Research Strategy

Funding: $666K from CIHR-IA and Brain Canada Foundation/Women’s Brain Health Initiative for to support the Canadian component of up to 2 transnational teams, over 3 years. $111K per year for 3 years.

Deadline
• Call Publication: Jan. 2021
• Pre-proposals: March 2021
• Proposal: June 2021

Information on the fourth call to follow. Expected to be launched in spring 2021.
For all inquiries please contact:

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Daniele.St-Jean@cihr-irsc.gc.ca
Natural Sciences and Engineering Research Council
NSERC’s International Approach

1. **LAUNCHING** calls for proposals, in partnership with funders abroad, both bilateral and multilateral (EU, Germany, France, UK)

2. **ENCOURAGING** applicants to build in international (and interdisciplinary) dimensions at the proposal stage

3. **REDUCING** barriers to international collaborations/mobility through flexible use of grant funds

4. **OFFERING** Doctoral and PDF awards that can be taken up abroad
## Researcher-driven options between NSERC and Horizon Europe

<table>
<thead>
<tr>
<th>NSERC</th>
<th>Horizon Europe</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Discovery Grants</strong>, including Sub-Atomic Physics, Ship Time awards with EU partners</td>
<td>European Research Council Research Infrastructures</td>
</tr>
<tr>
<td><strong>Training</strong>, including CREATE-DFG Germany, Postgraduate –Doctoral Scholarship, Postdoctoral Fellowships and Michael Smith Foreign Study Supplements taken up in Europe</td>
<td>Marie Skłodowska-Curie actions</td>
</tr>
<tr>
<td><strong>Alliance Grants</strong>, including new flexibilities and options. Belmont Forum.</td>
<td>Horizon Europe Mission Areas</td>
</tr>
</tbody>
</table>
### Alignment between NSERC and Horizon Europe

<table>
<thead>
<tr>
<th>NSERC spending in 2018-19</th>
<th>Horizon Europe Mission Areas</th>
</tr>
</thead>
<tbody>
<tr>
<td>$246 M in <strong>environmental</strong> science and <strong>agriculture</strong> research</td>
<td><strong>Soil</strong> health and <strong>food</strong></td>
</tr>
<tr>
<td>$234.1 M in <strong>health</strong> and related life sciences</td>
<td><strong>Cancer</strong></td>
</tr>
<tr>
<td>$150 M in <strong>climate</strong> change and clean technologies</td>
<td>Adaptation to <strong>climate</strong> change including societal transformation</td>
</tr>
<tr>
<td>$81.1 M in <strong>water</strong>-related research</td>
<td>Healthy oceans, seas coastal and inland <strong>waters</strong></td>
</tr>
<tr>
<td>$5.1 M Healthy Cities Research Initiatives (SSHRC+CIHR)</td>
<td>Climate-neutral and smart cities</td>
</tr>
</tbody>
</table>
Alliance Grants
Canada’s Research Partnerships Program
Alliance partnerships program

Program objectives

1. ENABLE collaborations with a broader set of partner organizations:
   - Private sector
   - Public sector
   - Not-for-profit sector

2. GENERATE new knowledge and accelerate the application of research results for the benefit of Canadians.
Alliance

Key notes

• From $20K to $1M, per year, Duration: 1-5 years
• No Deadline: Apply at any time
• Streamlined review process
• Applicants must be a Canadian university researcher and must include a Canadian partner
• Applicants are encouraged to incorporate International collaborations in their proposals; can interact in a variety of ways
• International partner organization’s contributions may be recognized for cost-sharing
• Interdisciplinary: up to 30% of grant funds can be spent on other disciplines

Advantages of International

• Increase the impact of your research project
• Collaborate with top partners abroad
• Access research infrastructures outside Canada
• Provide enhanced training environment for HQPs
• Build networks for both students and partners
More Information

1. ALLIANCE PROGRAM: alliance@nserc-crsng.gc.ca

2. NSERC INTERNATIONAL: international@nserc-crsng.gc.ca

3. EUROPEAN RESEARCH COUNCIL DATABASE:
erc.europa.eu/projects-figures/erc-funded-projects
International Collaboration in SSH

La collaboration internationale en SH
Promoting international collaboration in SSH: Three modes

1. **Lower Barriers**
   - In regular funding opportunities

2. **Open Doors**
   - Through international joint initiatives

3. **Position Canadian SSH on the World Stage**
1. LOWER BARRIERS

✓ **Foreign co-investigator policy** – Foreign-based researchers can be named as co-investigators for most SSHRC funding opportunities:

   *Insight Development Grants, Partnership Grants, Partnership Development Grants*

✓ **Mobility mechanisms** for graduate students and postdocs:
   - Canadians abroad: SSHRC Doctoral Fellowships, SSHRC Postdoctoral Fellowships, Michael Smith Stipends
   - International students in Canada: Vanier Doctoral, Banting Postdoctoral Fellowships

✓ **Align policies and procedures** with foreign funders and multinational organizations (Open Access, Research Data Management...)

NUMBER OF INTERNATIONAL RESEARCHERS INVOLVED IN SSHRC-FUNDED GRANTS
NOMBRE DE CHERCHEURS ÉTRANGERS AYANT PARTICIPÉ À DES PROJETS SUBVENTIONNÉS PAR LE CRSH
INTERNATIONAL COLLABORATIONS:
TOP 10 COUNTRIES (2014-15 TO 2018-19)

# OF INTERNATIONAL RESEARCHERS

<table>
<thead>
<tr>
<th>#</th>
<th>Country</th>
<th># of Researchers</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>United States</td>
<td>1561</td>
</tr>
<tr>
<td>2</td>
<td>United Kingdom</td>
<td>585</td>
</tr>
<tr>
<td>3</td>
<td>France</td>
<td>390</td>
</tr>
<tr>
<td>4</td>
<td>Australia</td>
<td>268</td>
</tr>
<tr>
<td>5</td>
<td>Germany</td>
<td>179</td>
</tr>
<tr>
<td>6</td>
<td>Switzerland</td>
<td>106</td>
</tr>
<tr>
<td>7</td>
<td>Netherlands</td>
<td>105</td>
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<tr>
<td>8</td>
<td>Belgium</td>
<td>83</td>
</tr>
<tr>
<td>9</td>
<td>China</td>
<td>81</td>
</tr>
<tr>
<td>10</td>
<td>Spain</td>
<td>72</td>
</tr>
</tbody>
</table>

# OF INTERNATIONAL PARTNERS

<table>
<thead>
<tr>
<th>#</th>
<th>Country</th>
<th># of Partners</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>United States</td>
<td>216</td>
</tr>
<tr>
<td>2</td>
<td>United Kingdom</td>
<td>66</td>
</tr>
<tr>
<td>3</td>
<td>France</td>
<td>65</td>
</tr>
<tr>
<td>4</td>
<td>Australia</td>
<td>56</td>
</tr>
<tr>
<td>5</td>
<td>Germany</td>
<td>29</td>
</tr>
<tr>
<td>6</td>
<td>China</td>
<td>28</td>
</tr>
<tr>
<td>7</td>
<td>Switzerland</td>
<td>28</td>
</tr>
<tr>
<td>8</td>
<td>India</td>
<td>21</td>
</tr>
<tr>
<td>9</td>
<td>Netherlands</td>
<td>19</td>
</tr>
<tr>
<td>10</td>
<td>Sweden/Belgium</td>
<td>18</td>
</tr>
</tbody>
</table>
2. OPEN DOORS

Some recent joint initiatives with European research granting agencies

Multi-agency: Europe and the Americas

Joint calls:
1. Digging into Data (2016)
3. **Next call now in development – on post-pandemic recovery – expected launch in 2021**

* "Platform" model

Horizon 2020

Funding Cdn participation on successful European projects

Multiple calls for Migration research 2019, 2020

* Leveraging EC peer review

UK, Germany, France, Canada

Joint peer review

* Open, untargeted call
3. WHAT WE ARE LEARNING

→ International collaboration is increasing in the social sciences and humanities
→ Collaboration among research funders and other stakeholders can increase the scope, scale and impact of Canada’s research and training in the social sciences and humanities.
→ Canadian researchers in the social sciences and humanities are sought as collaborators; and are strong competitors in international joint initiatives
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THANK YOU!
MERCI!

SUZANNE BOARD

SUZANNE.BOARD@SSHRC-CRSH.GC.CA
NFRF

- NFRF is a tri-agency program, administered by the Tri-agency Institutional Programs Secretariat (TIPS), which is housed within the Social Sciences and Humanities Research Council (SSHRC)
- SSHRC administers NFRF on behalf of Canada’s three research granting agencies (CIHR, NSERC, SSHRC)
- The Canada Research Coordinating Committee (CRCC) is the steering committee for the NFRF program.

FNFR

- Le FNFR est un programme interorganismes, administré par le Secrétariat des programmes interorganismes à l’intention des établissements (SPIIE), qui est hébergé par le Conseil de recherches en sciences humaines du Canada (CRSH)
- Le CRSH gère le FNFR au nom des trois organismes subventionnaires de la recherche au Canada (IRSC, CRSNG, CRSH)
- Le Comité de coordination de la recherche au Canada assume la fonction de comité directeur pour le FNRF
Objectives

• NFRF funds research that is international, interdisciplinary, fast-breaking and high risk
  – Generate opportunities for Canada to conduct innovative high risk-high reward and interdisciplinary research
  – Build Canadian strength and leadership in transformative interdisciplinary research
  – Enhance opportunities for Canadian researchers to lead and participate in research with international partners

→ 3 streams – each addresses one of these objectives

Objectifs

• Le FNRF finance la recherche internationale et interdisciplinaire qui nécessite des résultats rapides et qui présente des risques élevés
  – Susciter des occasions pour le Canada de mener des recherches qui sont novatrices, à haut risque et à haut rendement, et interdisciplinaires
  – Renforcer la capacité et le leadership du Canada en matière de recherche transformatrice et interdisciplinaire
  – Donner davantage d’occasions aux chercheurs canadiens de participer à des travaux de recherche avec des partenaires étrangers

→ 3 volets – chacun répond à un des objectifs
Streams

• **Exploration** generates opportunities for Canada to build strength in high-risk, high-reward and interdisciplinary research

• **Transformation** provides large-scale support for Canada to build strength and leadership in interdisciplinary and transformative research

• **International** enhances opportunities for Canadian researchers to participate in research with international partners.

Volets

• Le volet **Exploration** suscite des occasions de renforcer la capacité du Canada en matière de recherche interdisciplinaire à haut risque et à haut rendement.

• Le volet **Transformation** offre un soutien à grande échelle afin de renforcer la capacité et le leadership du Canada en matière de recherche interdisciplinaire et transformatrice.

• Le volet **International** donne davantage d’occasions aux chercheurs canadiens de participer à des travaux de recherche avec des partenaires étrangers.
Evaluation Criteria

- Five broad criteria
  - High risk
  - High reward
  - Feasibility
  - Interdisciplinarity
  - Equity, diversity and inclusion (EDI) and support for Early Career Researchers (ECR)

- Can make use of novel approaches for evaluation
  - Double blind review
  - Sandpit
  - “Dragon’s Den”

Critères de sélection

- Cinq critères généraux (application adaptée au volet)
  - Haut risque
  - Haut rendement
  - Faisabilité
  - Interdisciplinarité
  - Équité, diversité et inclusion (EDI) et soutien aux chercheurs en début de carrière

- Peut comprendre des mécanismes novateurs d’évaluation
  - Examen par les experts en double aveugle (double blind)
  - Carré de sable (sandpit, dragon’s den)
Support for International Collaborations

Exploration & Transformation

- International researchers eligible to be co-Principal Investigators, co-Applicants, and collaborators
- Co-Principal Investigators and co-Applicants can access NFRF funds

Soutien aux collaborations internationales

- Chercheurs internationaux sont éligible comme co-chercheur principal, co-candidat, et collaborateur
- Les co-chercheurs principaux et co-candidats peuvent accéder aux FNFR
# International Participation

<table>
<thead>
<tr>
<th></th>
<th>2018 Exploration</th>
<th>2019 Exploration</th>
<th>2020 Exploration *</th>
<th>2020 Transformation*</th>
</tr>
</thead>
<tbody>
<tr>
<td>Applications with international co-principal investigator and/or co-applicant</td>
<td>20.4%</td>
<td>17.7%</td>
<td>20%</td>
<td>76%</td>
</tr>
<tr>
<td>Applications with international co-principal investigator, co-applicant and/or collaborator</td>
<td>47.8%</td>
<td>41.4%</td>
<td>35%</td>
<td>92%</td>
</tr>
</tbody>
</table>

* Includes all applications submitted; competition in progress

* Inclût tous les demandes soumises; concours en cours
Exploration

- Supports **high-risk, high-reward, and interdisciplinary research**
- Grants up to $250,000 over 2 years (including up to 25% for indirect costs)
- Minimum team size: 2 (since 2019)
- Competitions held annually; minimum 100 new awards/year

- Suscite des occasions de renforcer la capacité du Canada en matière de recherche interdisciplinaire à haut risque et à haut rendement
- Subventions pouvant s'élever jusqu'à 250 000 $ sur deux ans (coûts indirects compris)
- Concours annuels; minimum de 100 subventions par an
Exploration 2018 – Exploration 2020

• 2018
  – Targeted to Early Career Researchers (ECR)
  – ~1700 NOIs, 1316 applications
  – 157 grants awarded

• 2019
  – Open to all researchers
  – 917 LOIs, 335 invited to Full Application stage
  – 183 grants awarded

• 2020
  – Open to all researchers
  – Launched June 2020
  – 608 applications submitted

• 2018
  – Dédié aux chercheurs en début de carrière
  – ~ 1700 avis d’intention soumis; 1315 demandes soumises
  – 157 subventions octroyées

• 2019
  – Ouvert à tous les chercheurs
  – 917 lettre d’intention, 335 invité au stage de la demande complète
  – 183 subventions octroyées

• 2020
  – Ouvert à tous les chercheurs
  – Lancé en juin
  – 608 demandes soumises
Transformation

• Supports large-scale, Canadian-led, world-leading interdisciplinary research projects that address a major challenge with the potential to realize real and lasting change.

• Grants up to $24,000,000 over 6 years (including indirect costs).

• Competitions held every 2 years; minimum 6 awards/competition.

• Soutien des projets de recherche interdisciplinaires de grande envergure qui sont dirigés par des Canadiens et qui abordent une question importante en ayant la possibilité de mener à des changements concrets et durables.

• Subventions pouvant s’élever jusqu’à 24 millions de dollars sur 6 ans (couts indirects compris).

• Concours tenus aux deux ans; au moins 6 bourses par concours.
Transformation 2020

- Launched December 5, 2019
  - 460 NOIs submitted
  - 347 LOIs submitted
  - 31 invited to the Full Application stage

- Lancé le 5 décembre 2019
  - 460 avis d’intention reçues
  - 347 lettres d’intention soumises
  - 31 invité au stage de la demande complète
International

• Supports international collaborations and positions Canada and Canadian researchers as strategic partners at the international level

• Includes two mechanisms
  – Joint calls
    • Joint funding calls with international agencies on topics of international relevance
  – Global platforms
    • Dedicated funds to support participation of Canadian researchers within international teams in projects seeking funding from major global platforms

• Soutien des collaborations internationales et positionne le Canada et les chercheurs canadiens à titre de partenaires stratégiques sur la scène internationale

• Le volet comprend deux mécanismes:
  – Initiatives conjointes
    • Des appels à propositions conjoints lancés avec des organismes internationaux sur des sujets d’intérêt internationaux
  – Plateformes mondiales
    • Un fonds destiné à soutenir la participation des chercheurs canadiens au sein d’équipes internationales pour l’exécution de projets dans le cadre d’appel de grandes plateformes mondiales
2020 Horizon Global Platform Competition

- Follows announcement made at Canada-European Union Summit Joint Declaration in July 2019
- Launched January 30, 2020
- Supports Canadian researchers participating in projects funded by Horizon 2020 through one of 34* calls
- Calls selected based on alignment with NFRF objectives
- They fall into two categories:
  - are specifically targeted by the European Union (EU) for international collaboration (as identified by the EU);
  - involve research topics that cross tri-agency disciplinary boundaries within the Societal Challenges Section of Horizon 2020.
- Up to $125,000 per year for a maximum of four years (including up to 25% indirect costs)

Concours du programme Horizon 2020 sur les grandes plateformes mondiales

- Suit une annonce dans le cadre de la Déclaration conjointe du Sommet Canada-UE en juillet 2019
- Lancé le 30 janvier, 2020
- Soutient les chercheurs canadiens participant à des projets financés par Horizon 2020 sous un de 34* appels
- Appels sélectionnés en fonction de l’alignement avec les objectifs NFRF. Ils se divisent en deux catégories:
  - sont spécifiquement ciblés par l’Union européenne (UE) pour une collaboration internationale (telle qu’identifiée par l’UE);
  - impliquent des sujets de recherche qui traversent les frontières disciplinaires des trois agences au sein de la section Défis sociétaux d’Horizon 2020.
- Jusqu’à 125 000 $ par année pour une période maximale de quatre ans (coûts indirects compris)
• Website

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