NSERC Update

October 12, 2017

Dave Bowen – Deputy Director
Rawni Sharp – Team Leader
Tiffany Lancaster – Program Officer
Kenn Rankine – Program Officer
Overview

- Federal Science and Innovation Update
- Policy and Funding Opportunity Updates
- 2017 Discovery Grants Competition Results
- Questions
2017 Federal Science Review

- The Advisory Panel on Federal Support for Fundamental Science presented its report on April 10, 2017

- Recommendations include:
  - increased investment in independent investigator-led research
  - increased coordination among the granting councils and CFI
  - new oversight body for the federal research and innovation ecosystem
NSERC Overview

Clients and Partners

<table>
<thead>
<tr>
<th>Client Type</th>
<th>Number</th>
<th>Percent</th>
</tr>
</thead>
<tbody>
<tr>
<td>University Professors</td>
<td>11,100</td>
<td>70%</td>
</tr>
<tr>
<td>Master's/Doctoral Students</td>
<td>18,400</td>
<td>40%</td>
</tr>
<tr>
<td>Undergraduate Students</td>
<td>10,800</td>
<td>6%</td>
</tr>
<tr>
<td>Technicians/Research Associates</td>
<td>2,800</td>
<td>25%</td>
</tr>
<tr>
<td>Postdoctoral Fellows</td>
<td>2,600</td>
<td>40%</td>
</tr>
<tr>
<td>R&amp;D Companies</td>
<td>3,600</td>
<td>15%</td>
</tr>
</tbody>
</table>

% indicates share of eligible population supported directly and indirectly.

NSERC Budget 2015-16
Total: $1.1 billion

- Discovery (includes Scholarships & Fellowships)
- Innovation

$702 M (66%)
$324 M (30%)

Colleges & Polytechnics
- 80% of eligible institutions have received College and Community Innovation grants
NSERC Discovery Grants Funding

$23 million or 7% increase

Fiscal Year

- Individual, Teams and Projects
- Discovery Accelerator Supplements

* Includes additional funding received resulting from Federal Budget 2014
** Projected expenditures for 2016-2017
NSERC 2020

- Foster a science and engineering culture in Canada
- Launch the new generation
- Build a diversified and competitive research base
- Strengthen discovery-innovation dynamic
- Go global
Discovery Grants Applicants 2017

Number of Applicants

- Assistant Professor
- Associate Professor
- Professor
- Adjunct, Emeritus, Other

Female
Male
Not Indicated
## Discovery Grant Success Rate by Sex and Evaluation Group, 2017 Competition

<table>
<thead>
<tr>
<th>Evaluation Groups</th>
<th>Success Rate</th>
<th>Percentage of Applicants</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Female</td>
<td>Male</td>
</tr>
<tr>
<td>1501 Genes, Cells and Molecules</td>
<td>62.5%</td>
<td>58.6%</td>
</tr>
<tr>
<td>1502 Biological Systems and Functions</td>
<td>54.4%</td>
<td>61.6%</td>
</tr>
<tr>
<td>1503 Evolution and Ecology</td>
<td>71.9%</td>
<td>74.7%</td>
</tr>
<tr>
<td>1504 Chemistry</td>
<td>77.4%</td>
<td>73.3%</td>
</tr>
<tr>
<td>1505 Physics</td>
<td>80.0%</td>
<td>73.9%</td>
</tr>
<tr>
<td>1506 Geosciences</td>
<td>69.6%</td>
<td>71.6%</td>
</tr>
<tr>
<td>1507 Computer Science</td>
<td>66.0%</td>
<td>57.5%</td>
</tr>
<tr>
<td>1508 Mathematics and Statistics</td>
<td>88.9%</td>
<td>87.0%</td>
</tr>
<tr>
<td>1509 Civil, Industrial and Systems Engineering</td>
<td>68.6%</td>
<td>76.0%</td>
</tr>
<tr>
<td>1510 Electrical and Computer Engineering</td>
<td>72.2%</td>
<td>67.0%</td>
</tr>
<tr>
<td>1511 Materials and Chemical Engineering</td>
<td>64.7%</td>
<td>71.4%</td>
</tr>
<tr>
<td>1512 Mechanical Engineering</td>
<td>70.0%</td>
<td>65.8%</td>
</tr>
</tbody>
</table>
What is ARRCU?

- ARRCU is a self-organized working group of Canadian University faculty in Atmosphere-Related Research (ARR) including research on weather, climate, and air quality.

- ARRCU aims to configure university ARR to most benefit Canadians in a time of rapid socio-economic and environmental change.

- ARRCU is developing a 5-7 year strategic plan for University based ARR to develop a better research support environment.
Policy and Funding Opportunity Updates
Tri-Agency Open Access Policy on Publications

http://www.science.gc.ca/eic/site/063.nsf/eng/h_F6765465.html

- Researchers must make articles freely available online within 12 months of publication
- Applies to all grants awarded May 1, 2015 and onward
- How to comply:
  - Deposit final, full-text, peer-reviewed manuscript in a repository; and/or
  - Submit final, peer-reviewed manuscript to journal that offers open access within 12 months
- Contact: openaccess@nserc-crsng.gc.ca
Data Management

- Based on research community feedback, the *Tri-Agency Statement of Principles on Digital Data Management* was released in June 2016.
  

- NSERC, SSHRC and CIHR will be seeking input from the research community on draft policy text and how best to realize the principles presented in the Statement.

- **Visit NSERC’s website for news on consultation**
  
Financial Administration Updates

- New version of the Tri-Agency Financial Administration Guide in effect October 1st 2017

- The new Grant Amendment Form replaces several forms that have been in place for some time: its purpose is to streamline and standardize approach to grant amendments (e.g. deferrals, extensions, grantee leave, paid parental leave, change of institution, change in eligibility status, changing grant recipients)

- Questions? Grantsadministration@nserc-crsng.gc.ca
Primary Caregiver Policy

NSERC Policy for Primary Caregivers (Pilot)

• In place as of March 1, 2016
• Researchers who become primary caregivers following the birth or adoption of a child and who are eligible for maternity or parental leave but decline the leave, may be eligible to receive a one-year grant extension with funds
• Existing policy for those taking leave still applies
Maternity and Parental Leave

Reminder - NSERC Policy on Paid Maternity / Parental Leave for Students and Postdoctoral Fellows *paid from Grants*

- Students and Postdoctoral fellows who are supported by NSERC grants and are eligible may receive up to 6 months of paid maternity / parental leave.
- The leave supplement will be paid by NSERC.
Discovery Grant Updates
Early Career Researcher - New DG definition

- Applicants who have held an independent academic position for 3 years or less at the time of submitting the NOI.

- For example, to be classified as an ECR in the 2018 competition, a researcher submitting an NOI in August 2017 would have been hired on or after July 2014, with no previous independent academic experience.
Discovery Grant Updates

ECR extension option with funds

- ECRs re-applying for the first time will now have the option of extending their DG by one year with funds

- **Goal:** Allow early stage researchers additional time to better establish themselves and their research program before re-applying to the Discovery Grant program as established researchers
Discovery Grant Updates
Highly Qualified Personnel – Literature Change

**NEW Instructions**

- Rewording of current HQP criterion
  - Instructions to Applicants
  - Peer Review Manual

Objective:

- Applicants – better description of what is expected
- Members – clearer information for review
Discovery Grant Updates

Highly Qualified Personnel – Literature Change

Clarification of HQP criterion description this year:

<table>
<thead>
<tr>
<th>Past contributions</th>
<th>Future plans</th>
</tr>
</thead>
<tbody>
<tr>
<td>• Training environment</td>
<td>• Training Philosophy</td>
</tr>
<tr>
<td>• HQP awards and research contributions</td>
<td>• Research Training Plan</td>
</tr>
<tr>
<td>• Outcomes and skills gained by HQP</td>
<td></td>
</tr>
</tbody>
</table>

Consult the Instructions for Completing an Application for detailed information
Discovery Grant Updates
DND/NSERC Discovery Grant supplement

- Supporting discovery-based research
- 20 supplements at $40,000 per year for 3 years
- Eligibility
  - Researchers applying to current DG competition
  - Proposed research must fit within DND defence and security target areas
- Internal DND committee will select recipients
- Results will be announced in the spring
- Contact: dndsuppmdn@nserc-crsng.gc.ca
Other Program Updates

RTI Program Update

- University quotas have been removed for the 2018 competition
  - Competition open to all eligible Canadian university researchers
  - Researchers will be able to participate on one application per competition, either as an applicant or a co-applicant, but not both

- Deadline October 25th
## Discovery Grant & Research Partnership Grant holders

**Number of Discovery Grantees (DG)\(^1\) in Fiscal Year 2015-16 Who Also Received a Research Partnership (RP)\(^2\) Grant in Fiscal Year 2015-16**

<table>
<thead>
<tr>
<th>Evaluation Group</th>
<th>No. of DG Grantees</th>
<th>No. of DG Grantees with RP Grant</th>
<th>% with RP Grant</th>
</tr>
</thead>
<tbody>
<tr>
<td>Materials and Chemical Engineering</td>
<td>589</td>
<td>351</td>
<td>59.6</td>
</tr>
<tr>
<td>Mechanical Engineering</td>
<td>597</td>
<td>301</td>
<td>50.4</td>
</tr>
<tr>
<td>Electrical and Computer Engineering</td>
<td>770</td>
<td>361</td>
<td>46.9</td>
</tr>
<tr>
<td>Civil, Industrial and Systems Engineering</td>
<td>811</td>
<td>363</td>
<td>44.8</td>
</tr>
<tr>
<td>Geosciences</td>
<td>640</td>
<td>193</td>
<td>30.2</td>
</tr>
<tr>
<td>Computer Science</td>
<td>890</td>
<td>260</td>
<td>29.2</td>
</tr>
<tr>
<td>Chemistry</td>
<td>633</td>
<td>183</td>
<td>28.9</td>
</tr>
<tr>
<td>Evolution and Ecology</td>
<td>615</td>
<td>173</td>
<td>28.1</td>
</tr>
<tr>
<td>Biological Systems and Functions</td>
<td>1,411</td>
<td>207</td>
<td>14.7</td>
</tr>
<tr>
<td>Physics</td>
<td>709</td>
<td>102</td>
<td>14.4</td>
</tr>
<tr>
<td>Genes, Cells and Molecules</td>
<td>1,171</td>
<td>109</td>
<td>9.3</td>
</tr>
<tr>
<td>Mathematics and Statistics</td>
<td>870</td>
<td>45</td>
<td>5.2</td>
</tr>
<tr>
<td>Subatomic Physics</td>
<td>202</td>
<td>3</td>
<td>1.5</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td><strong>9,908</strong></td>
<td><strong>2,651</strong></td>
<td><strong>26.8</strong></td>
</tr>
</tbody>
</table>

1. Includes Discovery Grants and Subatomic Physics individual, group and project.
2. Includes co-investigators.
Strategic Partnership Grants

2016 Competition Results

<table>
<thead>
<tr>
<th>Area</th>
<th>Awards</th>
<th>Requests</th>
</tr>
</thead>
<tbody>
<tr>
<td>Natural Resources and Energy</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Information and Communications Technologies</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Environment and Agriculture</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Advanced Manufacturing</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

LOI stage for 2017 Competition

25% Success rate

2015 Competition Results:

- NSERC Canadian Network for Research and Innovation in Machining Technology (NSERC CANRIMT)
  Lead: Dr. Yusuf Altintas, University of British Columbia

- NSERC Canadian Lake Pulse Network
  Lead: Dr. Yannick Huot, Université de Sherbrooke

- NSERC Towards Environmentally Responsible Resource Extraction Network (NSERC-TERRE-NET)
  Lead: Dr. David Blowes, University of Waterloo

- NSERC COHESA: Computing Hardware for Emerging Intelligent Sensory Applications
  Lead: Dr. Andreas Moshovos, University of Toronto

- Flare Emissions from Unconventional Oil & Gas Extraction and Processing (NSERC FlareNet)
  Lead: Dr. Matthew Johnson, Carleton University

5 New networks from 2015
16 Active Strategic Networks
Discovery Grants Program
2017 Results

Geosciences Evaluation Group
EG1506
## 2017 Competition Results
### Overall Discovery Grants

<table>
<thead>
<tr>
<th></th>
<th>All Evaluation Groups</th>
<th>Early Career Researchers</th>
<th>Established Researcher</th>
<th>Overall</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td>Renewals</td>
<td>Not Holding a Grant</td>
</tr>
<tr>
<td># of Applications</td>
<td>562</td>
<td>1,636</td>
<td>1,042</td>
<td>2,678</td>
</tr>
<tr>
<td># of Awards</td>
<td>385</td>
<td>1,360</td>
<td>409</td>
<td>1,769</td>
</tr>
<tr>
<td>Success Rate</td>
<td>69%</td>
<td>83%</td>
<td>39%</td>
<td>66%</td>
</tr>
<tr>
<td>Average Grant</td>
<td>$25,409</td>
<td>$37,396</td>
<td>$26,806</td>
<td>$34,948</td>
</tr>
</tbody>
</table>
# 2017 Competition Results

## Geosciences (EG1506)

<table>
<thead>
<tr>
<th>Geosciences (EG 1506)</th>
<th>Early Career Researchers</th>
<th>Established Researcher</th>
<th>Overall</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td># of Applications</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>29</td>
<td>102</td>
<td>164</td>
</tr>
<tr>
<td></td>
<td># of Awards</td>
<td>18</td>
<td>87</td>
</tr>
<tr>
<td></td>
<td>$478K</td>
<td>$3,200K</td>
<td>$635K</td>
</tr>
<tr>
<td></td>
<td>success rate</td>
<td>62%</td>
<td>85%</td>
</tr>
<tr>
<td></td>
<td>average grant</td>
<td>$26,556</td>
<td>$36,781</td>
</tr>
</tbody>
</table>

- **Total Applications:** 193
- **Total Awards:** 129
- **Total $ Awarded:** $4,313K
- **Overall Success Rate:** 67%
- **Overall Average Grant:** $33,434
2017 Competition Results
Geosciences (EG1506)
Results and Statistics – Geosciences
2017 DG Competition

Vote Breakdown

- Excellence of the Researcher
- Merit of the Proposal
- Highly Qualified Personnel

Number

Exceptional | Outstanding | Very Strong | Strong | Moderate | Insufficient
2017 Competition Results

Discovery Accelerator Supplements

- $120,000 – over three years
- Up to 125 Supplements per year
- Geosciences EG members reviewed all applications and recommended 18 applicants for a DAS
- Executive Committee makes the final decision using the EG recommendations

Objectives of the DAS program
  - Highly original and innovative research programs,
  - Show strong potential to become international leaders within their field

The Executive Committee recommended 11 DAS awards to the NSERC President
# 2017 Competition Results

## Discovery Accelerator Supplements

<table>
<thead>
<tr>
<th>Evaluation Group</th>
<th>Awards</th>
</tr>
</thead>
<tbody>
<tr>
<td>Genes, Cells and Molecules (1501)</td>
<td>12</td>
</tr>
<tr>
<td>Biological Systems and Functions (1502)</td>
<td>11</td>
</tr>
<tr>
<td>Evolution and Ecology (1503)</td>
<td>9</td>
</tr>
<tr>
<td>Chemistry (1504)</td>
<td>6</td>
</tr>
<tr>
<td>Physics (1505)</td>
<td>6</td>
</tr>
<tr>
<td>Geosciences (1506)</td>
<td>11</td>
</tr>
<tr>
<td>Computer Science (1507)</td>
<td>19</td>
</tr>
<tr>
<td>Mathematics and Statistics (1508)</td>
<td>6</td>
</tr>
<tr>
<td>Civil, Industrial and Systems Engineering (1509)</td>
<td>11</td>
</tr>
<tr>
<td>Electrical and Computer Engineering (1510)</td>
<td>13</td>
</tr>
<tr>
<td>Materials and Chemical Engineering (1511)</td>
<td>10</td>
</tr>
<tr>
<td>Mechanical Engineering (1512)</td>
<td>10</td>
</tr>
<tr>
<td>Subatomic Physics (19)</td>
<td>1</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td><strong>125</strong></td>
</tr>
</tbody>
</table>

### 2017 DAS recipients years from PhD

- 12 years or less: 46%
- between 12-20 years: 41%
- 20 years or more: 13%
2017 Competition Results
Discovery Development Grants (DDG) Pilot

- Promote a diversified base of high-quality research in small universities
- Foster a stimulating environment for research training in small universities
- Award valued at $10K /year for 2 years

Results
- 2015, 57 awards
- 2016, 43 awards
- 2017, 54 awards (5 for EG 1506)
## 2017 Competition Results

**Research Tools and Instruments (RTI)**

RTI grants foster and enhance the discovery, innovation and training capability of university researchers in the NSE by supporting the purchase of research equipment.

<table>
<thead>
<tr>
<th></th>
<th>2014</th>
<th>2015</th>
<th>2016</th>
<th>2017</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Budget</strong></td>
<td>$19.5M</td>
<td>$25M</td>
<td>$26M</td>
<td>$30.5M</td>
</tr>
<tr>
<td><strong># Appl.</strong></td>
<td>468</td>
<td>666</td>
<td>657</td>
<td>748</td>
</tr>
<tr>
<td><strong># Funded</strong></td>
<td>176</td>
<td>218</td>
<td>215</td>
<td>241</td>
</tr>
<tr>
<td><strong>Success Rate</strong></td>
<td>38%</td>
<td>33%</td>
<td>33%</td>
<td>32%</td>
</tr>
<tr>
<td><strong>Funding Rate</strong></td>
<td>38%</td>
<td>34%</td>
<td>33%</td>
<td>33%</td>
</tr>
</tbody>
</table>
## 2017 Competition Results

### Research Tools and Instruments (RTI) Environmental Sciences

<table>
<thead>
<tr>
<th>Research Tools &amp; Instruments (Category 1)</th>
<th>2017 Environmental Sciences</th>
</tr>
</thead>
<tbody>
<tr>
<td>Number of Applications</td>
<td>91</td>
</tr>
<tr>
<td>Number of Awards</td>
<td>33</td>
</tr>
<tr>
<td>Success Rate</td>
<td>36.3 %</td>
</tr>
<tr>
<td>Amount Requested</td>
<td>$9,844,159</td>
</tr>
<tr>
<td>Amount Awarded</td>
<td>$3,361,197</td>
</tr>
<tr>
<td>Funding Rate</td>
<td>34.1 %</td>
</tr>
</tbody>
</table>
The objective of the 2017 pilot:

- support use of regional and national research facilities in Canada by Canadian university researchers in the NSE;
- provide assistance in covering the operations and maintenance costs of such facilities.

Results:

- Total of 149 applications were assessed
- Average grant of $143K
- Total of 28 awards in 2016-17, for a success rate of 19%, and a funding rate of 21%
2017 Competition Results
Northern Research Supplements (NRS)

Objective:
- To augment and promote Canadian university-based northern research and training, by recognizing the added logistical costs unique to conducting research in the Canadian North

Description:
- Apply in same year as Discovery Grant (DG) application
- $10,000 to $25,000/year for duration of the DG
- Award amount based on combination of logistical costs and recognizing outstanding contributions to outreach and interactions with Northerners
- DEADLINE DATE: November 1st

CONTACT: EnviroSciences-SciencesEnviro@nserc-crsng.gc.ca
# 2017 Competition Results

## Northern Research Supplements (NRS)

<table>
<thead>
<tr>
<th>Competition Year</th>
<th># of Applications Received</th>
<th>$ Requested (overall)</th>
<th>Success Rate (overall)</th>
<th>Funding Rate (overall)</th>
<th># of Applications Reviewed</th>
<th># of Applications funded</th>
<th>Success Rate (Comp.)</th>
<th>$ Awarded</th>
</tr>
</thead>
<tbody>
<tr>
<td>2017</td>
<td>49</td>
<td>$1,174,177</td>
<td>63.3%</td>
<td>44.1%</td>
<td>44</td>
<td>31</td>
<td>70.5%</td>
<td>$518,230</td>
</tr>
<tr>
<td>2016</td>
<td>36</td>
<td>$747,829</td>
<td>50.0%</td>
<td>39.4%</td>
<td>28</td>
<td>18</td>
<td>64.3%</td>
<td>$295,000</td>
</tr>
<tr>
<td>2015</td>
<td>41</td>
<td>$877,995</td>
<td>65.9%</td>
<td>48.6%</td>
<td>34</td>
<td>27</td>
<td>79.4%</td>
<td>$426,300</td>
</tr>
<tr>
<td>2014</td>
<td>48</td>
<td>$767,051</td>
<td>56.3%</td>
<td>55.5%</td>
<td>36</td>
<td>27</td>
<td>75.0%</td>
<td>$425,820</td>
</tr>
<tr>
<td>2013</td>
<td>55</td>
<td>$1,154,406</td>
<td>56.4%</td>
<td>46.7%</td>
<td>39</td>
<td>31</td>
<td>79.5%</td>
<td>$539,500</td>
</tr>
<tr>
<td>2012</td>
<td>44</td>
<td>$901,473</td>
<td>63.6%</td>
<td>52.1%</td>
<td>36</td>
<td>28</td>
<td>77.8%</td>
<td>$469,500</td>
</tr>
<tr>
<td>2011</td>
<td>35</td>
<td>$364,437</td>
<td>57.1%</td>
<td>84.0%</td>
<td>20</td>
<td>20</td>
<td>100.0%</td>
<td>$306,270</td>
</tr>
<tr>
<td>7-yr Average</td>
<td>44.0</td>
<td>$855,338</td>
<td>58.9%</td>
<td>52.9%</td>
<td>33.9</td>
<td>26.0</td>
<td>78.1%</td>
<td>$425,803</td>
</tr>
</tbody>
</table>

A - represents the total number of eligible applications received on Nov. 1  
B - represents the total amount requested by all eligible applicants per Year  
C - represents the number of applicants reviewed by the cctee., after those not holding a DG were removed  
D - represents the actual success rate of those applicants reviewed by the cctee.
2017 Competition Results
Ship Time Program

Objective:

- Assists with high costs associated with chartering research vessels in Canada and abroad
- Additional funds to access vessels in support of on-going Discovery research programs

Description:

- Must hold a Discovery Grant
- Duration usually one year
- Results within three months of applying
- DEADLINE DATE: September 1st

CONTACT: EnviroSciences-SciencesEnviro@nserc-crsng.gc.ca
# 2017 Competition Results

## Ship Time Program

<table>
<thead>
<tr>
<th>Competition Year</th>
<th># of applics reviewed</th>
<th># of applics awarded</th>
<th>Success rate</th>
<th>Funding rate</th>
<th>Total Requested in Competition</th>
<th>Total Amount Awarded</th>
</tr>
</thead>
<tbody>
<tr>
<td>2017</td>
<td>7</td>
<td>5</td>
<td>71.4%</td>
<td>74.6%</td>
<td>$1,288,647</td>
<td>$961,217</td>
</tr>
<tr>
<td>2016</td>
<td>11</td>
<td>8</td>
<td>72.7%</td>
<td>72.9%</td>
<td>$1,359,841</td>
<td>$991,279</td>
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<tr>
<td>2015</td>
<td>10</td>
<td>6</td>
<td>60.0%</td>
<td>65.4%</td>
<td>$1,643,194</td>
<td>$1,075,433</td>
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<tr>
<td>2014</td>
<td>9</td>
<td>8</td>
<td>88.9%</td>
<td>67.7%</td>
<td>$1,034,292</td>
<td>$700,378</td>
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<tr>
<td>2013</td>
<td>13</td>
<td>10</td>
<td>76.9%</td>
<td>49.4%</td>
<td>$2,024,427</td>
<td>$1,000,000</td>
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<tr>
<td>2012</td>
<td>8</td>
<td>6</td>
<td>75.0%</td>
<td>70.1%</td>
<td>$738,548</td>
<td>$517,688</td>
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<tr>
<td>2011</td>
<td>13</td>
<td>11</td>
<td>84.6%</td>
<td>75.0%</td>
<td>$1,098,163</td>
<td>$824,169</td>
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<tr>
<td><strong>Average</strong></td>
<td><strong>10.1</strong></td>
<td><strong>7.7</strong></td>
<td><strong>75.7%</strong></td>
<td><strong>67.9%</strong></td>
<td><strong>$1,312,445</strong></td>
<td><strong>$867,166</strong></td>
</tr>
</tbody>
</table>
Discovery Grants Program

Objectives

- To promote and maintain a diversified base of high-quality research capability in the natural sciences and engineering (NSE) in Canadian universities.
- To foster research excellence.
- To provide a stimulating environment for research training.
Evaluation Groups

- Genes, Cells and Molecules (1501)
- Biological Systems and Functions (1502)
- Evolution and Ecology (1503)
- Chemistry (1504)
- Physics (1505)
- Geosciences (1506)
- Computer Science (1507)
- Mathematics and Statistics (1508)
- Civil, Industrial and Systems Engineering (1509)
- Electrical and Computer Engineering (1510)
- Materials and Chemical Engineering (1511)
- Mechanical Engineering (1512)
EG1506 Research Topics

- GS01 - Petrology & Mineralogy
- GS02 - Sedimentology & Stratigraphy
- GS03 - Paleontology & Paleobiology
- GS04 - Geophysics
- GS05 - Economic Geology
- GS06 - Tectonics & Structural Geology
- GS07 - Geochemistry & Geochronology
- GS08 - Volcanology
- GS09 - Planetary Sciences
- GS10 - Surface Processes
- GS11 - Paleo-environmental Sciences
- GS12 - Biogeosciences
- GS13 - Global Geological Processes
- GS14 - Atmospheric Sciences
- GS15 - Hydrology
- GS16 - Oceanography
- GS17 - Soil Sciences
- GS18 - Geomatics & Earth Systems Observations
- GS19 - Cryology
2018 Geosciences Evaluation Group Members

Group Chair – Diana Allen (Simon Fraser)

- Jean-Pierre Bellenger (Sherbrooke)
- Monique Bernier (INRS)
- Kathryn Bethune (Regina)
- Mark Brandon (The Open University, U.K)
- Thomas Bruulsema (International Plant Nutrition Institute)
- Thomas Buffin-Bélanger (Rimouski)
- John Clague (Simon Fraser)
- Gregory Dipple (UBC)
- Keith Dewing (NRCAN)
- Zoe Finkel (Mount Allison)
- Nicholas Fraser (National Museum of Scotland, Edinburgh)
- John Gosse (Dalhousie)
- Céline Guéguen (Trent)
- Pippa Galen Halverson (McGill)
- John Hanchar (MUN)
- Jacob Hanley (Saint Mary’s)
- Kurt Konhauser (Alberta)
- John Percival (NRCAN)
- Scott St.George (Minnesota, USA)
- Steven Siciliano (Saskatchewan)
- Maria Strack (Waterloo)
- Kimberly Strong (Toronto)
- Laxmi Sushama (McGill)
- Bruce Sutherland (Alberta)
- Kristy Tiampo (Colorado Boulder, USA)
- Freek van der Meer (Twente, Netherlands)
- James Whiteway (York)
## NSERC Contacts

<table>
<thead>
<tr>
<th>NSERC Web site</th>
<th><a href="http://www.nserc-crsng">www.nserc-crsng</a></th>
</tr>
</thead>
<tbody>
<tr>
<td>Deadlines, acknowledgement of applications and results</td>
<td>Your university RGO</td>
</tr>
<tr>
<td>Your account, Grants in Aid of Research Statement of Account (Form 300)</td>
<td>Your university Business Officer (BO)</td>
</tr>
</tbody>
</table>
| Discovery Grants Program (including eligibility) | E-mail: resgrant@nserc-crsng.gc.ca  
Tel.: 613-995-5829 |
| Use of Grant Funds | E-mail: usegrantfunds@nserc-crsng.gc.ca |
| On-line Services Helpdesk | E-mail: webapp@nserc-crsng.gc.ca |