2015 Innovation Fund

Guidelines for Multidisciplinary Assessment Committees

July 2014



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1. MANDATE OF THE CANADA FOUNDATION FOR INNOVATION

Created by the Government of Canada in 1997, the Canada Foundation for Innovation (CFI) strives to build our nation's capacity to undertake world-class research and technology development that benefits Canadians. Thanks to CFI investments in state-of-the-art infrastructure, Canadian universities, colleges, research hospitals and non-profit research institutions are attracting and retaining the world's top research talent, training the next generation of researchers, supporting private-sector innovation and creating high-quality jobs that strengthen Canada's position in today's global knowledge-based economy. Additional information is available at Innovation.ca.

2. 2015 INNOVATION FUND COMPETITION

The CFI will invest up to \$325 million for large research infrastructure in the 2015 Innovation Fund (IF) competition. Aligned with the key directions set out in its Strategic Roadmap, the CFI has given this competition a signature: "Striving for global leadership and reaping the benefits." For this competition, the CFI challenges institutions to propose transformative infrastructure projects that will underpin cutting-edge research and will have a structuring effect on Canada's research landscape. Projects funded through this competition will support promising and innovative directions in research or technology development in areas where Canada currently is, or has the potential to be, competitive on the global stage. The CFI will support initiatives that allow institutions and their researchers to build on and enhance an emerging strategic priority area, accelerate current research and technology development work or take established capabilities to a globally competitive level.

The objectives of the 2015 Innovation Fund are to enable institutions and their best researchers to:

- Strive for global leadership by conducting world-class transformative research and technology development in areas of institutional strategic priority;
- Forge and foster productive, value-added partnerships within and among institutions, sectors and disciplines that will nurture creativity and innovation which will result in the effective and sustainable use of the research infrastructure and facilities:
- Identify and develop plans and potential pathways to social, health, environmental and economic benefits for Canada, including better training and improved skills for highly qualified personnel.

The CFI will invest up to \$250 million in infrastructure costs for funded projects in this competition. The CFI funds up to 40 percent of a project's eligible infrastructure costs. Institutions, in partnership with provincial governments and other public, private and non-profit organizations, must secure the remaining 60 percent of the required funding.

The CFI will also invest up to \$75 million to contribute to the operating and maintenance (O&M) costs of funded projects through its Infrastructure Operating Fund (IOF). The support allocated from the IOF will be the equivalent of 30 percent of the CFI contribution to the capital costs of projects funded under the IF.

3. THE CFI STRUCTURED MERIT REVIEW PROCESS

Through its structured merit review process, the CFI ensures that proposals are reviewed in a fair, competitive, transparent and in-depth manner. The review process involves three stages of committee review (Figure 1) tailored to the nature and complexity of the proposals:

- 1. Expert Committee (EC) review
- 2. Multidisciplinary Assessment Committee (MAC) review
- 3. Special Multidisciplinary Assessment Committee (S-MAC) review

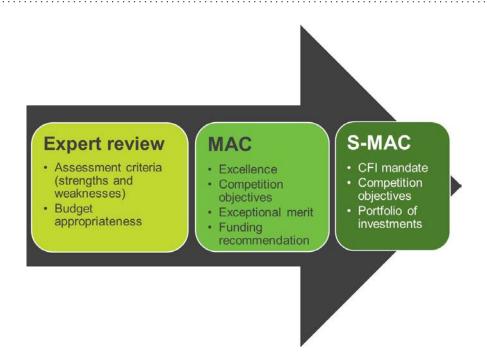


Figure 1: The CFI structured merit review process

The following sections outline the review process for applications received in the 2015 IF competition, including the roles and responsibilities of each committee. It also provides specific information on general procedures and a timetable for the MAC process.

4. STEP 1: EXPERT COMMITTEE REVIEW

This first stage of the merit review process, the expert review process, is designed to assess the strengths and weaknesses of the proposals relative to the following six CFI assessment criteria:

- 1. Institutional track record and commitment;
- 2. Research or technology development;
- 3. Team;
- 4. Infrastructure:
- 5. Sustainability of the research infrastructure; and,
- 6. Benefits to Canadians.

Whenever possible, Expert Committees (ECs) review small groups of similar or related proposals. Each EC is composed of three to seven reviewers selected for their leadership and expertise in their respective fields. The CFI endeavours to combine all the necessary subject-matter expertise to allow an in-depth review of the proposals. When reviewing large and complex proposals, the EC also includes large facility management expertise.

At the meeting — which takes place either by teleconference or in-person, depending on the number of proposals — ECs assess the strengths and weaknesses of each proposal, determine the appropriateness of the budget and arrive at a consensus assessment. If reviewing large and complex proposals, typically requesting \$6 million or more from the CFI, the EC usually convenes in person as the meeting also involves a face-to-face session with the project leader and representatives of the applicant institution(s).

The following sections outline the review process for applications received in the 2015 IF competition, including the roles and responsibilities of each committee. It also provides specific information on general procedures and a timetable for the MAC process.

5. STEP 2: MULTIDISCIPLINARY ASSESSMENT COMMITTEE REVIEW

The second stage of review, the Multidisciplinary Assessment Committees (MAC), involves the assessment of a subset of proposals grouped with others of similar size and/or complexity. For the 2015 Innovation Fund competition, the CFI will convene 9 MACs, each composed of approximately 11 members (including the Chair). Each MAC will be responsible for the review of approximately 30 to 35 proposals. EC reports for each proposal under its purview will be provided to the MACs to assist the members in their evaluation of the proposals.

Following a careful analysis of the results of the EC, the MACs are responsible for:

- Identifying proposals that best meet the standards of excellence for the competition;
- Identifying the ones that best meet the three competition objectives striving for global leadership; forging and fostering productive partnerships; and, reaping the benefits relative to other competing requests
- Establishing the amount that should be awarded to the proposals and providing a funding recommendation.

To assist in the next stage of review, the MACs will also be asked to identify a subset of those proposals that are of exceptional merit. Since the MACs are instructed to be extremely selective in the proposals they deem exceptional, each MAC is limited to choosing a maximum of two proposals in this category.

5.1. Membership

MAC members are chosen for their capacity to assess proposals based on the competition objectives and for their breadth of understanding of the research environment, the niches of innovative excellence in eligible institutions and the breadth of impacts and outcomes from research investments across the entire landscape of research activity. The MACs that review large-scale proposals will also include expertise in the management of large research facilities. Each MAC is composed of a Chair and approximately ten members. The Chair ensures that the MAC functions effectively and objectively in accordance with the CFI policies.

The CFI expects MAC members to maintain the highest standards of ethics in fulfilling their role. They are appointed as individuals, not as advocates or representatives of their discipline or of any organization. All MAC members must adhere to the *Conflict of interest and confidentiality agreement*. The membership of the committees will be made public (see Appendix 3) shortly after the funding decisions are announced.

5.2. Role of members of the CFI staff

The main responsibility of the CFI staff — after selecting and recruiting MAC members — is to ensure the integrity of the merit review process by guiding the MAC through its review of proposals. This involves providing instruction and guidance to the MAC on the CFI review process, policies and procedures, and ensuring consistency in the proposal evaluations. CFI staff have a good knowledge of the proposals' contents and are able to help the MAC interpret competition objectives and the assessment scale throughout the review process. CFI staff also assist the Chair by actively engaging in the discussion and probing for additional information when the comments do not seem to match the rating. CFI staff are also responsible — in consultation with the Chair — for drafting the MAC reports and coordinating further input and revisions from MAC members.

5.3. Timeline and key activities

This table summarizes your key activities as a MAC member as well as important dates for the 2015 IF competition.

Summer - fall 2014	Arrange travel (if required) and read guidelines	 Complete and return the Committee member information form by email to CFI (see section 5.4) Read the 2015 Innovation Fund Guidelines for Multidisciplinary Assessment Committees
Fall 2014 - November	Access CAMS and start reviewing proposals	 Activate access to the <u>CFI Awards Management System (CAMS)</u> Accept to adhere to the <u>Conflict of interest and confidentiality agreement</u> in CAMS and inform the CFI of any conflict of interest Attend the member briefing session via teleconference (see section 5.6) Evaluate the proposal(s) against the competition objectives (see section 5.7) Prepare a preliminary assessment using the <u>CFI MAC Report</u> template and enter your assessment in the Reviewer dashboard in CAMS (see section 5.5)
Early winter January 14 to 16, 2015	Attend meeting and finalize report(s)	 MAC meets to discuss and evaluate proposals. The committee assesses the proposal against the competition objectives. By consensus, it identifies strengths and weaknesses for each and makes a funding recommendation to the S-MAC. The Chair will be asked to review the consensus report(s) in the weeks following the meeting.

5.4. Meeting date and travel

For the MAC meetings, each member will complete and return the *Committee member information form* containing key information to assist the CFI and our travel agency — Carlson Wagonlit Global Travel Centre — in preparing travel arrangements for the meeting. The CFI will pre-pay all bookings made through this agency. You will be contacted shortly thereafter by a representative of Global Travel with a proposed flight itinerary.

5.5. On-line review portal

An email will be sent to you in early fall activating your access to the *Reviewer dashboard* in the <u>CFI</u>

<u>Awards Management System (CAMS)</u>. The *Reviewer dashboard* is where you will find all the information to conduct your review and where you will enter your preliminary ratings. It also provides basic information on the committee for which you were recruited and your role on the committee.

For more information on how to use the CFI reviewer portal please consult the following document: Getting started with the CFI Awards Management System (CAMS) — An overview document for reviewers.

To access the review material and assessment grid, simply click on the committee name to bring you to the review and documentation page. On this page you will find the relevant reference materials (e.g. Guidelines for Multidisciplinary Assessment Committees and CFI MAC report template, as well as key details about the meeting (e.g. meeting agenda and list of individual assignments, when applicable)).

There are also two tabs on this page: 1) the "Project material" tab; and 2) the "Your review" tab.

1) "Project material" tab

On this page you will find:

EC reports

 Project material, including proposals and associated institutional strategic research plan summaries (which will be useful as reference when you are reviewing the proposals and in order to assess the alignment of the proposals with the research priorities of the applicant institution(s)).
 N.B. The EC reports will be available early November 2014.

2) "Your review" tab

The list of projects individually assigned to you will be listed in a table. Clicking on a given project number will bring you to the review form page for this project. For each competition objective, you will need to select the rating that best reflects your assessment. Once you are done your assessment of the projects assigned to you, you must then submit them to the CFI by clicking on the submit button. For convenience, you will also be able to download all of your preliminary ratings into a single excel file for use at the meeting. This must be accomplished by **January 7, 2015.**

5.6. Pre-meeting briefing

CFI staff will maintain regular contact with committee members by email or telephone before the meeting to ensure all members have the necessary information to conduct their review.

Once all members have activated and accessed their CAMS account, CFI staff will schedule a quick briefing session with members to go over the review material found on the CAMS reviewer dashboard. The session may be given to members individually or to all members at once, depending on members' availability. In all cases, a separate briefing session will be provided to the Chair.

5.7. Assessment of proposals

The second stage of review involves the assessment of proposals grouped with others of similar size and/or complexity. Following a careful analysis of the results of the EC, the MACs will be responsible for:

- Identifying proposals that best meet the standards of excellence for the competition;
- Identifying the proposals that best meet the three competition objectives; and,
- Establishing the amount that should be awarded to the proposals and providing a funding recommendation.

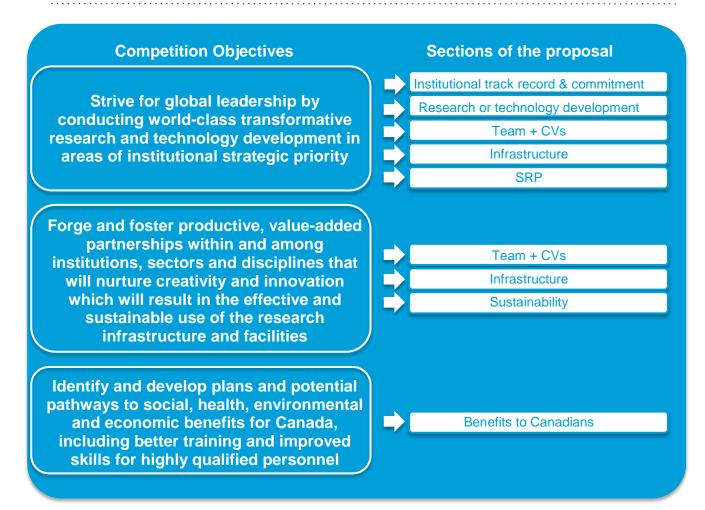
As a reviewer, you must assess the degree to which the proposal meets each objective using the assessment scale provided below. The ratings must be substantiated by commenting on the strengths and weaknesses of the proposal (See Appendix 2). It is incumbent upon the applicants to demonstrate in the proposal how the project satisfies the requirements. You must draw your conclusions from the information given by the applicants in their proposals, from the EC reports, and the associated institutional strategic research plans summaries (SRP).

Each objective is evaluated using a rating scale against which the proposals are compared. In other words, instead of a global score or rating, proposals are assessed on how well they meet each program objective (see below).

In rating each competition objective, the following scale is used:

The proposal

- Satisfies and significantly exceeds the objective in one or more aspects
- SA Satisfies the objective in all aspects
- Satisfies the objective with only a few minor weaknesses
- Partially satisfies the objective with some significant weaknesses
- Does not satisfy the objective due to major weaknesses



5.8. Individual assignments and preliminary assessment

Each MAC member is expected to read all of the proposals, EC reports and relevant strategic research plan summaries under your committee's purview in order to be familiar enough to engage fully in the discussion with the other members at the meeting. Each MAC member will be assigned approximately 10 proposals for an in-depth review. Some of these proposals will be outside of your general area of expertise. Three reviewers will be assigned to each proposal. The reviewers must prepare, in advance of the meeting, a short presentation highlighting the strengths and weaknesses of each assigned proposal relative to the overall competition objectives, as well as a funding recommendation.

Preliminary assessments (partially satisfies the objective, fully satisfies the objective, etc.) of the proposals assigned to you must be completed in CAMS and submitted to the CFI at least one week prior to the meeting (i.e. no later than **January 7, 2015**). Written comments on assigned proposals are not required by the CFI. However, you should keep your notes for discussion at the meeting. The CFI has created a MAC report template to facilitate your assessment of assigned proposals.

5.9. Multidisciplinary Assessment Committee meeting and committee reports

At the meeting, the Chair and CFI staff will make introductory remarks and explain the CFI structured merit review process. Thereafter, each proposal will be discussed in turn, allowing approximately 20 minutes per proposal. Each MAC reviewer assigned to the proposal being discussed will in turn share their preliminary assessment of the proposal before the rest of the committee shares theirs. This step will be followed by a general discussion among the entire committee.

For each proposal, the discussion will focus on the competition objectives where there are significant discrepancies among the assigned members' assessments. Following the discussion, the committee must reach a consensus opinion on the degree to which the proposal satisfies the three competition objectives, as well as formulate an overall assessment of the strengths and weaknesses of the project. Where there are discrepancies between the MAC's assessment and comments in the EC report, a substantive explanation will be required.

Given the high standard of quality expected for proposals recommended for funding and in light of the intense competition, the CFI expects committees to be very selective by recommending funding only for those projects that are of exceptional merit. By doing so, the MACs will help the S-MAC and CFI Board make the most effective investments in the country's research infrastructure.

Contributions from the CFI, when combined with partner funding, should cover the total eligible costs of infrastructure projects. Therefore, funding will be for the full amount unless there are ineligible (or unreasonable) costs. The MAC may also recommend reduced funding in cases where some infrastructure items are not deemed to be essential to achieve the proposed research objectives. When the full amount is not recommended, the MAC will provide explanation and justification to CFI staff with respect to the level of funding.

For each proposal, a consensus report (up to one page) will be drafted by CFI and approved by the committee chair. The reports for proposals recommended by the MACs will be forwarded to the S-MAC to assist the members in their evaluation of the proposals. The committee may also identify up to two proposals of exceptional merit.

6. STEP 3: SPECIAL MULTIDISCIPLINARY ASSESSMENT COMMITTEE (S-MAC)

The third stage involves a review and integration of the MAC assessments by a Special Multidisciplinary Assessment Committee (S-MAC; see Appendix 4). The S-MAC is charged with ensuring consistency among the MACs, and in instances where MAC recommendations exceed the available competition budget, the S-MAC recommends to the CFI Board of Directors the proposals that most effectively support the CFI's mandate, meet the objectives of the competition — striving for global leadership, forging and fostering productive partnerships, and reaping the benefits — and represent the most effective portfolio of investments for Canada.

7. FUNDING DECISIONS

The CFI Board of Directors will make the final decision on funding for each proposal at its March meeting in 2015. Following this meeting, the applicant institutions will receive a notice of decision and the review materials for their proposals.

8. OFFICIAL LANGUAGES

The CFI offers its services in both of Canada's official languages: French and English. Committees must ensure that all applications in either official language receive a full and detailed evaluation. The CFI should be advised if a committee member is assigned an application in an official language he or she does not understand. MAC deliberations will be conducted primarily in English.

APPENDIX 1: CONFLICT OF INTEREST POLICY

The Canada Foundation for Innovation (CFI) must meet the highest ethical and integrity standards in all that it does in order to continue to merit the trust and confidence of the research community, the government and the public. CFI review committee members, external reviewers and observers must meet the highest standards of ethical behaviour to maintain and enhance public confidence in CFI's ability to act in the public's best interest and for the long-term public good. Where a conflict arises between private and public interests, review committee members, external reviewers and observers will be expected to take the necessary measures to ensure that the public interest is protected.

Definition

A conflict of interest is a conflict between a person's duties and responsibilities with regard to the review process, and that person's private, professional, business or public interests. There may be a real, perceived or potential conflict of interest when the review committee member, external reviewer or observer:

- Would receive professional or personal benefit resulting from the funding opportunity or proposal being reviewed;
- Has a professional or personal relationship with a candidate or the applicant institution;
- Has a direct or indirect financial interest in a funding opportunity or proposal being reviewed.

A conflict of interest may be deemed to exist or perceived as such when review committee members, external reviewers or observers:

- Are a relative or close friend, or have a personal relationship with the candidates;
- Are in a position to gain or lose financially/materially from the funding of the proposal;
- Have had long-standing scientific or personal differences with the candidates;
- Are currently affiliated with the candidates' institutions, organizations or companies including research hospitals and research institutes;
- Are closely professionally affiliated with the candidates, as a result of having in the last six years:
 - Frequent and regular interactions with the candidates in the course of their duties at their department, institution, organization or company;
 - Been a supervisor or a trainee of the candidates;
 - o Collaborated, published or shared funding with the candidates, or have plans to do so in the immediate future:
 - Been employed by the applicant institution;
 - o Feel for any reason unable to provide an impartial review of the proposal.

Note: The CFI reserves the right to resolve areas of uncertainty and to determine if a conflict exists.

APPENDIX 2: QUICK REFERENCE GUIDE - RELATING THE ASPECTS OF THE SIX ASSESSMENT CRITERIA TO THE COMPETITION OBJECTIVES

In order to assist you in determining the level at which you judge the proposal has met the objectives of the competition, we have prepared the following table. Your assessment should be based on the information given by the applicants in their proposals and the EC reports. To assist you in your review, this table indicates where you can find the aspects addressed in the proposals that are most relevant for each of the three competition objectives.

Strive for global leadership by conducting world-class transformative research and technology development in areas of institutional strategic priority

Aspects covered in the proposal, as instructed to applicants, that are related to objective 1:

Under Criterion 1: Institutional track record & commitment

- Describe the existing capacity in both human and material resources to undertake the proposed project by providing the following information:
- o Key investments and commitments (by the institution(s), the CFI and other funding partners) in people, infrastructure and research in areas of institutional strategic priority on which the project builds;
- The financial support for the operations and maintenance of the existing infrastructure;
- o Collaborations and partnerships among researchers, institutions and sectors at the national and/or international levels.
 - Please explain how these have contributed to the aspects below by providing both qualitative and quantitative
- the attraction and retention of world-class researchers and highly qualified personnel (HQP), which include technicians,
- research associates, undergraduate students, graduate students and post-doctoral fellows; the generation of research results or technology development outputs, as well as knowledge mobilization and technology transfer activities, that conferred a competitive advantage to the institution and its researchers internationally,
- social, economic or environmental benefits to Canadians (e.g., job creation, health protocols, environmental policies, etc.).

Under Criterion 2: Research or technology development

- Describe the proposed research or technology development activities and their potentially transformative and innovative aspects.
- Explain how the proposed research or technology development activities complement or differ from comparable programs being conducted nationally and/or internationally.
- Explain how the research or technology development activities are timely and will enhance the level of competitiveness of the institution and of its researchers at the international level.

Under Criterion 3: Team

- Describe the expertise and ability of the team to lead the research or technology development activities. The team may comprise a mix of highly accomplished researchers and early-career researchers.
- Describe the team's technical expertise to make the best use of the requested infrastructure.

Under Criterion 4: Infrastructure

• By referring to the "Cost of individual items" section of the Finance module, describe the requested infrastructure, its proposed location and how it will enable the research or technology development activities.

Objective 2

Forge and foster productive, value-added partnerships within and among institutions, sectors and disciplines that will nurture creativity and innovation which will result in the effective and sustainable use of the research infrastructure and facilities

Aspects covered in the proposal related to objective 2, as instructed to applicants:

Under Criterion 3: Team

Describe collaborations and partnerships, national and/or international, essential to the success of the research or technology development activities.

Under Criterion 4: Infrastructure:

- Describe the availability of similar infrastructure within the institution, the region and the country.
- Describe how the use of the infrastructure will be maximized and how it will strengthen multi-disciplinary approaches, collaborations and partnerships within and among institutions and sectors (private, public and non-profit).

Under Criterion 5: Sustainability

- Please provide a description of the operating and maintenance needs of the infrastructure over its useful life, and of the personnel involved in day-to-day operations and facility management;
- Please provide an outline of the sources of support for operation and maintenance costs, and the contingency plans should any of this support become unavailable.
- Describe the management plan that will govern the implementation, operation, and maintenance of the infrastructure, as well as the plan to allocate and manage user access, commensurate to the level of complexity of the proposed infrastructure.
- For larger and more complex projects, please describe the proposed governance model, including the composition of its decisionmaking bodies.
- For a multi-institutional project bringing together three or more CFI-eligible collaborating institutions and requesting an additional CFI contribution (up to five percent of the CFI award), please include a justification in this section.

Objective 3:

Identify and develop plans and potential pathways to social, health, environmental and economic benefits for Canada, including better training and improved skills for highly qualified personnel

Aspects covered in the proposal related to objective 3, as instructed to applicants:

Under Criterion 6: Benefits to Canadians

- Describe the expected benefits to Canadians (e.g., new products, services, practices and public policies, and job creation) as well as HQP training, why they are significant, the pathways envisaged to achieving them, and the timeframe over which they are expected to occur.
- Identify potential end users of the research and technology development results. Describe the nature of existing or planned
 partnerships, the extent of the partner engagement, as well as the planned activities that will form part of the pathway towards anticipated benefits.
- Describe the institution's plans for knowledge mobilization, technology transfer and/or commercialization linked to the proposal. Demonstrate that the institution has the structures in place and the team has the skills and experience to ensure the successful transfer of the research and technology development results.

APPENDIX 3: MEMBERSHIP - MULTIDISCIPLINARY ASSESSMENT COMMITTEES

Name	Organization	Country
David Allan	AvidBiologics Inc.	Canada
Caroline Andrew*	University of Ottawa	Canada
Christiane Ayotte	Institut national de la recherche scientifique -INRS	Canada
Chitra Balakrishna	Edge Hill University	United Kingdom
James Barlow	Imperial College London	United Kingdom
Jack Bend	Western University	Canada
Christophe Beroud	Institut National de la Santé et de la Recherche Médicale	France
Steve Billinger	Access Copyright	Canada
Richard Blaikie	University of Otago	New Zealand
Sabin Boily	Groupe YDee Inc.	Canada
Anthon Botha	TechnoScene	South Africa
David Breitgand	IBM	Israel
Rikardo Bueno	Tecnalia	Spain
Russell J. Buono	Rowan University	United States
Gail Cardew	The Royal Institution	United Kingdom
Michel Caron	Dr. Michel Caron, R&D Inc.	Canada
Krista Connell*	Nova Scotia Health Research Foundation	Canada
Jean-Gabriel Cuby	Laboratoire d'Astrophysique de Marseille	France
Bev Dahlby	University of Calgary	Canada
Janet Dancey	Ontario Institute for Cancer Research	Canada
Gilles-Y. Delisle	Université Laval	Canada
Jacques Demotes	European Clinical Research Infrastructure Network	France
Melissa Denecke*	The University of Manchester	United Kingdom
Pascal Désilets	Cégep Édouard-Montpetit	Canada
Nikitas Dimopoulos	University of Victoria	Canada
Denis Faubert	Le Consortium de recherche et d'innovation en aérospatiale au Québec	Canada
Janie Fouke	University of Florida	United States
Justin Gammage	General Motors of Canada Limited	Canada
Anne-Claude Gavin	European Molecular Biology Laboratory	Germany
Kevin Goheen	Canadian Academy of Engineering, McLarity & Co.	Canada

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Name	Organization	Country
Gisèle Grandbois	Bureau d'audiences publiques sur l'environnement	Canada
Patrick Griffin	The Scripps Research Institute	United States
Peter Grutter	McGill University	Canada
Kevin Hall*	University of Newcastle	Australia
Joanne Harack	Axela Inc.	Canada
Sebastien Hélie	Purdue University	United States
Lauritz B. Holm-Nielsen	Aarhus University	Denmark
Deborah Jones	Université Montpellier II	France
Jeffrey Joyce	Kansas City University	United States
Matthias Kaiserswerth	IBM Research	Switzerland
Jonathan D. Kaunitz	University of California	United States
Leif Laaksonen	CSC-IT Center for Science Ltd.	Finland
Allen Lalonde	IBM Canada	Canada
Darren Lawless	Sheridan College	Canada
France Légaré	Université Laval	Canada
Amy Lemay	Vista Science & Technology Inc.	Canada
Louise Lemieux-Charles	University of Toronto	Canada
Christopher Loomis*	Memorial University	Canada
Patrick Looney	Brookhaven National Laboratory	United States
Catalina López Correa	Génome Québec	Canada
Robert Luke	George Brown College	Canada
Duncan Maskell	University of Cambridge	United Kingdom
Igor Mastikhin	University of New Brunswick	Canada
lain Mattaj	European Molecular Biology Laboratory	Germany
Janine Mauzeroll	McGill University	Canada
Tony Mayer	Nanyang Technological University	Singapore
Christine Maziar	University of Notre Dame	United States
Axel Meisen	UNESCO	Canada
Ravi Menon*	Western University	Canada
Denise Meredyth	Australian Research Council	Australia
Louise Millette*	École Polytechnique de Montréal	Canada
Elena Naumova	Tufts University	United States
Mick O'Brien	Consultant	Canada
John F. O'Callaghan	The Australian National University	Australia

2015 Innovation Fund – Guidelines for Multidisciplinary Assessment Committees

Name	Organization	Country
David Ostrov	University of Florida	United States
Judith Page	University of Kentucky	United States
Nicole Pelletier	Université Bordeaux Montaigne	France
Robert Pennington	University of Illinois	United States
Robert Roberts*	University of Ottawa	Canada
Elliott Ross	University of Texas	United States
Arturo Sánchez-Azofeifa	University of Alberta	Canada
lain Sanderson	Duke University	United States
Thecla Schiphorst	Simon Fraser University	Canada
Peter Schlosser	Columbia University	United States
Cameron Schuler	VibeDx Diagnostic Corp	Canada
David J Scott	Canadian Polar Commission	Canada
Peter Singendonk	Cisco	Canada
Anna Stukas	BIC Inc.	Canada
Julie Swain	Mount Sinai Hospital	United States
Michael Tadros	Botin Foundation	Spain
Robert Tasker	TRTech	Canada
Marita Titler	University of Michigan	United States
Machiko R. Tomita	The State University of New York	United States
Liz Towns-Andrews	University of Huddersfield	United Kingdom
Roy Trayhern	Holte - MTL Business Councel Inc.	Canada
Robert Tribble	Texas A & M University	United States
Marios Tsezos	National Technical University of Athens	Greece
Simon Watkins*	University of Pittsburgh	United States
James Watzke	Seneca College	Canada
Brenda Weigel	University of Minnesota	United States
Theresa Wicklin Gillespie	Emory University	United States
Stephen T. Wong	Houston Methodist Research Institute	United States
Richard Woychik	National Institute of Environmental Health Sciences	United States
*Chair		

^{*}Chair

APPENDIX 4: MEMBERSHIP - SPECIAL MULTIDISCIPLINARY ASSESSMENT COMMITTEE

Chair

Dr. Susan A. McDaniel

Director, Prentice Institute
Canada Research Chair (Tier 1) in Global Population and Life Courses
Prentice Research Chair in Global Population and Economy
Professor of Sociology, University of Lethbridge, Canada

Members

Dr. Michael Irwin

Technical Director
3M Purification, 3M Company, USA

Professor Marja Makarow,

Vice President for Research Academy of Finland, Finland

Dr. Ross F. McCurdy,

Chief Operating Officer (**Retired**), Centre for Sustainability in Energy and the Environment University of Cape Breton, Canada

Dr. Patrick Nédellec,

Directeur

Direction Europe de la Recherche et Coopération Internationale (DERCI), CNRS, France

Dr. Lawrence A. Tabak,

Principal Deputy Director, National Institutes of Health, USA

Monsieur Luc Vinet,

Professeur et Directeur, Centre de Recherches Mathématiques, Université de Montréal, Canada

