

NSERC

People, Discovery and Innovation

November 2012



Natural Sciences and Engineering
Research Council of Canada

Conseil de recherches en sciences
naturelles et en génie du Canada

Canada

NSERC Vision and Priorities

Vision: NSERC helps make Canada a country of discoverers and innovators for the benefit of all Canadians

Priorities:

People

Building our human capital in the natural sciences and engineering by supporting more than **29,000** students and postdoctoral fellows.

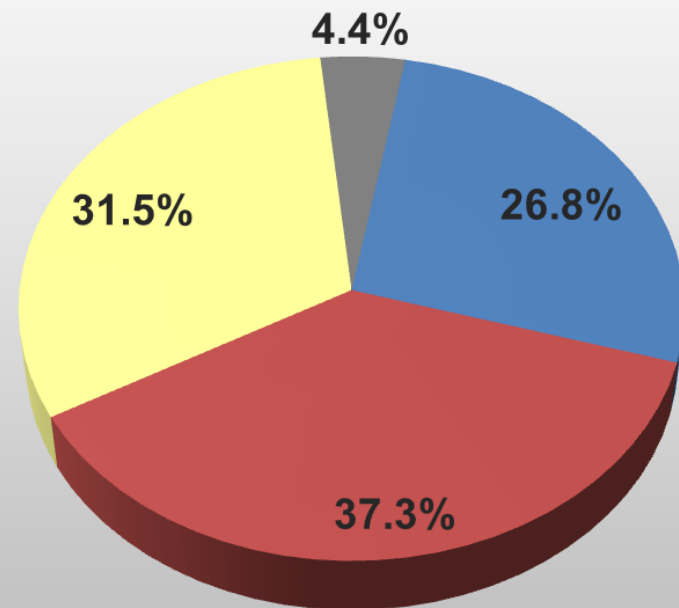
Discovery

Unleashing the creative power of our researchers by funding more than **11,000** professors for their research programs.

Innovation

Connecting and applying the strength of our research capacity to the challenges and needs of industry and society by funding research projects with over **2,000** Canadian companies.

Total Budget 2012-13
\$1.08 billion



- People
- Discovery
- Innovation
- Administration

NSERC International Strategy

Approach

Enabling an open research environment

- International collaborations pervasive across all NSERC programs
- Ensure policies, rules and criteria do not create barriers to international collaboration

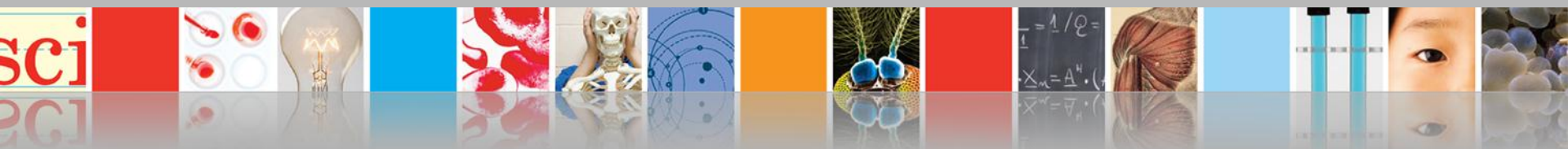


Support for International Collaboration

Canadian Researchers

NSERC research grants can support a range of international activities:

- Fieldwork
- Stipends for visiting researchers, students and fellows
- Travel and subsistence allowances for visiting researchers, students and fellows
- Attendance at international conferences, workshops and planning sessions



Support for International Collaboration

International Researchers

NSERC encourages international researchers to collaborate by:

- Working in partnership with Canadians either in peer-to-peer collaborations or as members of international research teams
- Bringing their own resources to the collaboration
- Acting as external referees detailed, written evaluations of the merit of applications



NSERC Support for Information and Communications Technologies

- NSERC Discovery Grants
- NSERC Strategic Project Grants
- NSERC Strategic Network Grants



NSERC Discovery Grants (DG)

DGs support ongoing programs of research (with long-term goals) rather than a single short-term project or collection of projects. These grants recognize the creativity and innovation that are at the heart of all research advances, whether made individually or in teams. Researchers are free to work in the mode most appropriate for the research area.

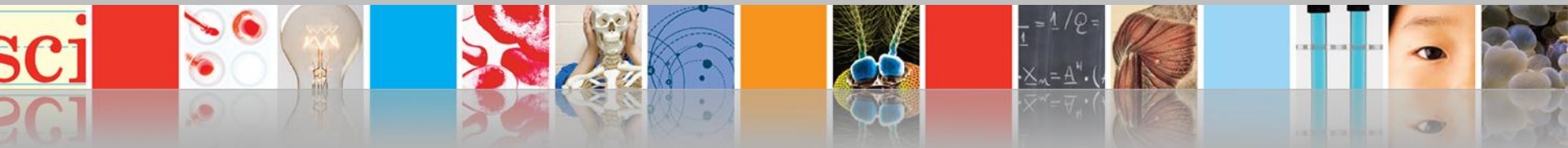


NSERC Strategic Project Grants (SPG)

SPGs fund early-stage research projects in targeted areas. Applicants are encouraged to incorporate international collaborations into their proposals.

Target Areas include Information and Communication Technologies:

- ICT Devices and Systems
- Next-Generation Computing Platforms
- Advanced Communication Networks
- Application/Software Engineering
- From Data to Knowledge to Action
- Human Interaction with Digital Information



NSERC Strategic Network Grants (SNG)

Strategic Network Grants fund large-scale, complex research projects involving partners from different sectors. Current policies enable researchers to interact with foreign colleagues in a variety of ways to enhance the project and increase its impact on international research.

Active ICT-related SNGs:

- NSERC Digital Surface Software Application Network
- Internetworked Systems Security Network
- NSERC Business Intelligence Network
- NSERC Strategic Research Network for Smart Applications on Virtual Infrastructures
- NSERC Strategic Research Network in Healthcare Support through Information



Finding Canadian Expertise...

- **NSERC Awards Search Engine:** contains the results of NSERC competitions and information on its funding since 1991. This allows foreign researchers to identify Canadian researchers that received NSERC funds in specific fields of research.
- **NSERC Chairholder Database:** is designed to connect you with some of Canada's leading scientists and engineers. Each profile includes a summary of the Chairholders' activities, relevant key words, partnering organizations and contact information.
- **Canada Research Chairs:** this database contains short profiles of each of the Canada Research Chairs to date.
- **Canada Excellence Research Chairholder Profiles :** this database contains short profiles of each of the Canada Excellence Research Chairs to date.

