Imagine Canada

A PROFESSOR WHO’S YOUR RESEARCH PARTNER

A THRIVING RESEARCH CULTURE

PURSUING YOUR RESEARCH DREAM
Canadian High Commission - Canberra

Academic Relations and Education Marketing section

- Mary Lou Hayman, Manager
- Karen May and Irene Kaspar, Assistants
- Jennah Robichaud, Intern

Bilateral relations between Canada and Australia in the education sector

Student and academic exchange between educational institutions in the two countries

Collaboration in research and innovation
- 35 million people in 10 provinces and 3 territories
- Stable parliamentary democracy
- Officially bilingual (English and French)
- More than 200 languages spoken
- First in the G7 for overall living conditions and quality of life
Canada
ONE OF THE MOST COMPETITIVE ECONOMIES

• Ranks in the top 10 entrepreneurial economies in the world
• Ranks #1 in the G7 as “the best place to invest and do business”
• Soundest banking system in the world
• 1st in the world in management practices
Why Postgraduate Research in Canada?
A THRIVING RESEARCH CULTURE

• Home to flat-screen technology, SMART boards and IMAX film

• Highly innovative research in nanotechnology, environmental technologies, nutraceuticals, biotechnology, renewable energy, health care, agri-foods, and high-performance computing

• Ongoing R&D collaboration between Canadian business and academic communities

• 2000 Canada Research Chairs in natural sciences, engineering, health sciences, social sciences, and humanities.
A THRIVING RESEARCH CULTURE

• More than 1/3 of Canada’s research is conducted at Canadian universities – one of the highest rates among OECD and G7 countries.

• Canada is a world leader in post-secondary research, outpacing other G-7 countries on higher education investment.

• Highest rate of intl co-publication with the US – the world’s largest producer of research

• 20 Canada Excellence Research Chairs

www.cerc.gc.ca
TECHNOLOGY CLUSTERS IN CANADA (2010)

Edmonton
Cluster Companies & Revenues
- Software - 300 ($700M)
- Nanotechnology - 19 ($90M)
- Oil & Gas Extraction - 158 ($65.7B)
- Extraction Support Activities - 778
- Chemical & Petrochemical - 149 ($9.5B)
- Pipeline Transportation - 25 ($1.7B)
- Biomedicine & Biotechnology - 225 ($1.6B)
- University of Alberta
  - NRC - National Institute for Nanotechnology

Calgary
Cluster Companies & Revenues
- IT - 1543 ($7.8B)
- Electronics - 263
- Wireless & Telecom - 253 ($3.5B)
- Geomatics - 251 - Alberta - 287 ($1.15B Alberta)
- Digital Media - 710
- Aerospace & Defence (Calgary/Edmonton) - 87/37 ($3.5B)
- Oil, Gas & By-products - 964 ($80.4B Energy Sector Alberta)
- Architectural & Engineering Support Services - 1800
- Private R&D - 144
- Electric Power - 48
- Pipeline Transportation - 32
- Petroleum & Coal Manufacturing & Mining - 26
- University of Calgary
  - CECRs 1

Vancouver
Cluster Companies & Revenues
- Digital Media - 360 ($1.38B)
- ICT - 4,200 ($6.3B)
- Mining - 800+ ($6B in B.C.)
- Biopharmaceuticals, Medical Devices, Bioproducts - 133 ($560M)
- Clean Technology - 910 ($1.33B)
- University of British Columbia, Simon Fraser University, University of Victoria
  - NRC - Institute for Fuel Cell Innovation
  - CECRs 5
TECHNOLOGY CLUSTERS IN CANADA (2010)

Saskatoon
- Cluster Companies & Revenues
  - Agricultural Biotechnology & Health - 60 ($1B)
  - Energy Technology
  - University of Saskatchewan
  - NRC-Plant Biotechnology Institute
  - CECRs 1

Regina
- Cluster Companies & Revenues
  - ICT - 250 ($805M)
  - Sustainable Urban Infrastructure - 60
  - University of Regina
  - NRC- Institute for Research in Construction

Winnipeg
- Cluster Companies & Revenues
  - Media Industries - 445 ($759.4M)
  - ICT - 1,500 ($600M)
  - Aerospace - 27+ ($1.3B)
  - Mining, Minerals & Petroleum - ($2.6B)
  - Electricity & Natural Gas - ($2.39B)
  - Biomedical Technologies - 150 ($440M+)
  - Environmental Industries - 350 ($650M)
  - University of Manitoba, University of Winnipeg
  - NRC- Institute for Biodiagnostics
  - NRC- Centre for the Commercialization of Biotechnology
TECHNOLOGY CLUSTERS IN CANADA (2010)

Waterloo
Cluster Companies & Revenues
- Wireless, Internet, Production Technology 527 (4.6B)
- University of Waterloo

Toronto
Cluster Companies & Revenues
- Manufacturing - 268 (6.75B)
- Software & Systems Development - 1,303 (5.5B)
- ICT Services - 953 (20.5B)
- New Media - 803 (1.7B)
- Communications Equipment - 304
- Aerospace 200+ (6B)
- Pharmaceutical & Biotechnology - 100+ (4B)
- Integrated Life Sciences
- University of Toronto, McMaster University
- CECRs 5
TECHNOLOGY CLUSTERS IN CANADA (2010)
# WORLD UNIVERSITY RANKINGS 2013

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<td><strong>Top 50 Worldwide</strong>&lt;br&gt;University of Toronto # 28&lt;br&gt;University of British Columbia # 40</td>
<td><strong>Top 50 Worldwide</strong>&lt;br&gt;University of Toronto # 20&lt;br&gt;University of British Columbia # 31&lt;br&gt;McGill University # 35</td>
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<td><strong>Top 51-100 Worldwide</strong>&lt;br&gt;McGill University # 58&lt;br&gt;McMaster University # 92</td>
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<td><strong>Top 101-150 Worldwide</strong>&lt;br&gt;University of Alberta&lt;br&gt;Université de Montréal</td>
<td><strong>Top 101-151 Worldwide</strong>&lt;br&gt;Université de Montréal #106&lt;br&gt;University of Alberta #109</td>
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<td><strong>Top 151-200 Worldwide</strong>&lt;br&gt;University of Waterloo</td>
<td><strong>Top 151-200 Worldwide</strong>&lt;br&gt;University of Ottawa</td>
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<td><strong>Top 201-300 Worldwide</strong>&lt;br&gt;University of Western Ontario&lt;br&gt;Dalhousie University&lt;br&gt;Simon Fraser University&lt;br&gt;University of Guelph&lt;br&gt;University of Saskatchewan</td>
<td><strong>Top 201-300 Worldwide</strong>&lt;br&gt;University of Calgary&lt;br&gt;Laval University&lt;br&gt;University of Victoria&lt;br&gt;Queen’s University&lt;br&gt;Simon Fraser University</td>
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Canada’s academic institutions collaborate with business and industry: co-op work placements are part of many university and college programs.

Eight Canadian universities ranked among the ARWU Top 100 business and economics programs in 2013.

The Financial Times 2013 ranked 6 Canadian Masters in Business and Administration (MBA) programs in the top 100.
• Canada is one of the 5 largest energy producers in the world

• Canada’s ICT sector is among the world’s strongest - 30,000 ICT firms generate over $140 billion in revenues each year

• Canada is pioneering new technologies involving nuclear, oil and gas and hydrogen fuel cells

• Canada is a major producer of green energy using solar, biomass, wind, tidal, thermal and hydroelectric power

• Six Canadian universities ranked in the 2013 ARWU Top 100 in Computer Science

• Four Canadian universities ranked in the ARWU Top 100 in Engineering/Technology & Computer Sciences in 2013.
• Canada ranks fifth worldwide in biotechnology thanks to its world-class academic institutions

• Three Canadian universities ranked in the Top 50 QS World University Ranking in Psychology in 2013.

• Four Canadian universities ranked in the Top 50 QS World University Ranking in Medicine in 2013.

• Four Canadian universities ranked in the Top 50 QS World University Ranking in Pharmacy and Pharmacology in 2013.
OVERVIEW OF CANADIAN RESEARCH FUNDING

Federal Funding Programs
• Canada’s Research Councils
  – Canada Research Chairs and Canada Excellence Research Chairs
  – Canada’s 3 Research Councils – CIHR, NSERC and SSHRC
  – Vanier Canada Graduate Scholarships
  – Banting Post Doctoral Fellowships
  – International Council for Canadian Studies (ICCS) Awards

Other Organizations
• Trudeau Foundation Doctoral Scholarships
• Izaak Walton Killam Memorial Scholarships
• Sauvé Scholars

Australian Awards – Endeavour Awards
Canada: Committed to Research

Canada Research Chairs (CRC)

• National strategy to make Canada one of the world’s top countries for research and development
• C$265 million a year to attract and retain world's most accomplished and promising minds. CRCs are tenable for 5-7 years.

www.chairs.gc.ca

Canada Excellence Research Chairs (CERC)

• Aims to increase knowledge and innovation in areas of strategic importance
• Funds cover the total cost of research
• Up to 20 Chairs created (competitively awarded) – new round anticipated in 2015
• Up to C$10M per CERC over 7 years

www.cerc.gc.ca
“Collaboration between countries is more important than ever to achieve success in research.” (NSERC website)

• Opportunities for international students:
  - Banting Postdoctoral Fellowships Program
  - Vanier Canada Graduate Scholarships
  - NSERC Industrial Postgraduate Scholarships
  - Industrial Research and Development Internships
  - Visiting Fellowships in Canadian Government Laboratories
  - Human Frontier Science Program Fellowships

SSHRC supports postsecondary-based research, research training and knowledge mobilization activities in the social sciences and humanities.

SSHRC funding opportunities are available through three programs:
- TALENT
- INSIGHT and
- CONNECTION

CANADA’S RESEARCH COUNCILS – SSHRC
Talent Program

Scholarships available to support research in the Social Sciences and Humanities for…

• Masters Students
• Doctoral Students
• Postdoctoral Students

CANADA’S RESEARCH COUNCILS – SSHRC
Insight Program

For individuals or Teams
• INSIGHT DEVELOPMENT GRANTS
  • Valued at between $7,000 and $75,000 over one or two years

• INSIGHT GRANTS
  • Valued at between $7,000 and $500,000 over three to five years

For formal Partnerships (offered in the Talent and Connection grants also)
• PARTNERSHIP DEVELOPMENT GRANTS
  • Valued at between $75,000 and $200,000 over one to three years

• PARTNERSHIP GRANTS
  • Valued at between $500,000 to $2.5 million over four or seven years

Overview

Value

$7,000 to $50,000 with higher amounts considered on an exceptional basis

Duration

1 year (no automatic exceptions)

Application Deadline

Continuous intake

Results Announced

Normally within 16 weeks from the date that SSHRC confirms receipt of the application
CANADA’S RESEARCH COUNCILS – SSHRC

SSHRC’s priority areas:

• Aboriginal Research
• Canadian Environmental Issues
• Digital Economy
• Innovation, Leadership and Prosperity
• Northern Communities: Towards Social and Economic Prosperity

Social Sciences and Humanities Research Council

Funding

SSHRC supports postsecondary-based research, research training and knowledge mobilization activities in the social sciences and humanities.

SSHRC funding opportunities are available through three programs: Talent, Insight and Connection.

SEARCH FOR FUNDING  SELECT AN OPPORTUNITY

Type of Applicant

All types

Program

All programs

Search  Clear

- To determine if your research falls under SSHRC’s mandate, see the guidelines on subject matter eligibility.
- For descriptions of SSHRC terms, see Definitions of Terms.
- For information regarding SSHRC's official languages policy, see Regulations Governing Fellowship and Scholarship Applications, Regulations Governing Fellowship and Scholarship Applications, and SSHRC Policy on Section 41 of the Official Languages Act.

Online Forms

- Application and CV forms for grants and postdoctoral fellowships
CANADA’S RESEARCH COUNCILS – CIHR

• Funds research to improve health, health services and products and strengthen the Canadian health care system

• Research in four areas:
  – Biomedical
  – Clinical
  – Health systems services
  – Social, cultural, environmental and population health
Eligibility:

- Foreign researchers can be Principal Applicants and are no longer required to have an employment relationship or academic status with a CIHR-eligible institution.

- Note that some conditions apply.

- Nominated Principal Applicant may transfer funds to project researchers based in other countries under certain conditions.
Canadian Institutes of Health Research

Application process

Steps
1. Register with CIHR
2. Complete an application
3. Assemble an application
4. Submit an application
5. Await notification of decision

Learning activities and resources
To learn more about our research funding and application processes, see Learning Activities and Resources.

Get help
Frequently Asked Questions (FAQ)

Contact information
If you are experiencing technical difficulties with your ResearchNet account, or if you have any questions or difficulties in completing the CIHR specific content on ResearchNet, contact us between 8:00 a.m. to 4:30 p.m. Eastern Time:

support@cihr-irsc.gc.ca
1-888-602-4176
613-954-1960

News
- Registration to 2014 Foundation Scheme Pilot
- Update to Funding Agencies’ Joint Conflict of Interest and Confidentiality Policy
- CIHR Reforms: Addressing the Funding Gap - An Update on the funding start dates for the 2014 Foundation Scheme "live pilot" and Transitional OOPP competitions

http://www.cihr-irsc.gc.ca/e/37788.html
VANIER CANADA GRADUATE SCHOLARSHIPS

• Aims to attract and retain world-class doctoral students to Canadian universities and Canadian and international students are eligible to be nominated

• Valued at $50,000 per year for up to three years

• Candidates must demonstrate leadership skills and a high standard of scholarly achievement

www.vanier.gc.ca
VANIER CANADA GRADUATE SCHOLARSHIPS

• Fixed number of Vanier Scholarships are allocated to specific Canadian universities by each of the funding councils, NSERC, SSHRC and CIHR.

• Candidates must be nominated by the Canadian university at which they are enrolled in a full-time PhD.

• Require substantial planning time, particularly for international students.

• Deadline for the 2014-15 competition is:
  • 5 November 2014. Check the website for updates.

www.vanier.gc.ca
BANTING POSTDOCTORAL FELLOWSHIPS

• Aims to attract and retain top-tier postdoctoral talent, both nationally and internationally;

• $70,000 per year (taxable) for two years.

• Applications to the Banting Postdoctoral Fellowships Program must be completed in full collaboration with the proposed host institution.

www.banting.fellowships-bourses.gc.ca
BANTING POSTDOCTORAL FELLOWSHIPS

Selection based on

- research excellence and leadership in their area of expertise or research
- quality of the applicant's proposed research program
- institutional commitment and demonstrated synergy between applicant and institutional strategic priorities

New timeline - 2014-2015 competition dates are:

- Competition launch: June 2014
- Application deadline: last week of September 2014
- Decision release: last week of January 2015

www.banting.fellowships-bourses.gc.ca
BANTING POSTDOCTORAL FELLOWSHIPS
AUSTRALIAN RECIPIENTS 2011 & 2012

2011

Brendan Higgins, University of Waterloo (NSERC)
- Loss-tolerant devices for satellite-based quantum key distribution and large-scale photonic experiments

Mark Shepeard, University of McGill (SSHRC)
- The stewardship debate and the role of virtue in regulating water management for agriculture: a comparative socio legal analysis

2012

Patrick Scott, University of McGill (NSERC)
- Discovery and discrimination of models for new physics with combined terrestrial and astrophysical data
International Council for Canadian Studies

ICCS Graduate Scholarships and Awards

❖ Graduate Student Scholarships
❖ Governor General’s International Award in Canadian Studies
❖ Pierre Savard Awards
❖ Best Doctoral Thesis in Canadian Studies
❖ Certificates of Merit

www.iccs-ciec.ca
Association for Canadian Studies in Australia and New Zealand – ACSANZ

🌟ACSANZ is a multi-disciplinary organization which recognizes and encourages interest in Canadian studies and aims to promote greater understanding of Canada at all educational levels and in all disciplines.

🌟ACSANZ has over 200 members, most of whom are academics or postgraduate students engaged in research and/or teaching about Canada.

🌟ACSANZ Provides news and information to members about Canadian Studies opportunities and events, including grants, scholarships, conferences and publications. Check the website for details.

TRUDEAU FOUNDATION DOCTORAL SCHOLARSHIPS

Highly competitive - only 15 awarded each year

Limited number available to foreign students *(preference to candidates from developing countries)*

Candidates must be nominated by their university in their 1st or 2nd year of doctoral studies

Research in one of four themes

- Human Rights & Social Justice
- Responsible Citizenship
- Canada and the World
- Humans and their Natural Environment

Tenable for up to 4 years - annual stipend of up to C$60,000

Plus annual travel allowance of up to C$20,000

Application deadline December.

www.trudeaufoundation.ca
IZAAK WALTON KILLAM MEMORIAL SCHOLARSHIPS

Many generous awards available from the Killam Trust.

Offered by four Canadian universities at the graduate and postgraduate level

- Dalhousie University
- University of Alberta
- University of British Columbia
- University of Calgary

The application process and amount of awards vary by university

Open to all disciplines with no citizenship restrictions

www.killamtrusts.ca.
The Sauvé Scholars Program exists for young leaders from across the globe who want to change the world.

An unequalled opportunity for personal and professional growth free from pressures of academic or work-related deadlines through a 9 month leadership program at McGill University.

Deadline: Usually November 1. But see the website for information in 2014.

www.sauvescholars.org
OTHER FUNDING – Canadian Universities

❖ Most universities offer some form of financial assistance for graduate study

❖ International students may be eligible for standard internal funding opportunities, specific international awards and/or external scholarships

❖ The value of awards and eligibility criteria vary by university and by department/faculty

– Contact the specific university for more information.
OTHER FUNDING

- **Ontario**: the Ontario Trillium Scholarships for best doctoral students from around the world to study in Ontario - $40,000 annually, renewable for a maximum of four years, 75 scholarships awarded each year

- **Ontario**: International Strategic Strategic Opportunities Program

- **Québec**: Assistance for international research and innovation initiatives

- **L'Association internationale des études québécoises (AIEQ)**

- **Asia Pacific Foundation of Canada Research Grants Program**
Endeavour Scholarships and Fellowships
Endeavour Scholarships and Fellowships

The Endeavour Scholarships and Fellowships are the Australian Government’s competitive, merit-based scholarships providing opportunities for citizens of the Asia-Pacific, the Middle East, Europe and the Americas to undertake study, research and professional development in Australia and for Australians to do the same overseas.

The Endeavour Scholarships and Fellowships aim to build Australia’s reputation for excellence in the provision of education, support the internationalisation of the Australian higher education and research sectors and offer high-achieving Australians opportunities to increase their productivity and expertise in their field.

For further information on categories and eligibility, please visit the Endeavour Scholarships and Fellowships webpage www.aei.gov.au/scholarships-and-fellowships

ARC: Internationalisation of funding schemes

- ARC funding schemes are open to international applicants
- Applications must be made through one of the eligible organisations (i.e. an Australian university)
- If successful, Chief Investigators must reside predominantly in Australia
- ARC Discovery Program and ARC Linkage Program funding can be used for international collaboration

Further information is available at
DISCOVER CANADIAN UNIVERSITIES

www.educationau-in-canada.ca
SCHOLARSHIPS FOR NON-CANADIANS

http://www.scholarships.gc.ca/
ONLINE RESOURCES

Official Canadian Government Study in Canada portal

- www.educationau-incanada.ca

Program finder, cost calculator and study permits information
Links to provincial, territorial and individual school information.

Information on Canadian Scholarships for international students

- www.scholarships.gc.ca

Information on Work and Study Visas

- www.cic.gc.ca
OR .... CONTACT US

Mary Lou Hayman, Manager Academic Relations
Karen May, Assistant Manager Academic Relations
The High Commission of Canada, Canberra
Phone: (02) 6270 4051

Email: cnbra.academic@international.gc.ca

Website: www.australia.gc.ca