



RECOGNIZING GRADUATE STUDENTS

Ryerson recently honoured the winners of the fifth Graduate Student Research Article Competition. The competition challenges students to communicate the importance of their research in a manner accessible to the general public.

“These are the best examples of students who combine sectoral specialization with an ability to communicate to the world,” said Anastasios Venetsanopoulos, Vice-President, Research and Innovation.

The 2007 winners are:

- **1st prize, Engineering or Science Related:** Declan Williams, Molecular Science – “Of Macrophages and Mass Spectrometers: Advancing Healthcare and the Understanding of how Life Works”
- **1st prize Social Sciences and Humanities:** Peter Ryan, Communication and Culture – “Computer Geek Erotica: We know about the Red Pill, but was the Blue Pill Viagra?”
- **2nd prize:** Claude Gagné, Communication and Culture – “Learning through weblogs: Are students afraid of learning?”
- **3rd prize:** Eric Peterson, Molecular Science – “Cellulose, Sunshine, and Us: Microbial Ecology and the Fundamentals of Ethanol Biorefinement”

“It’s an honour,” said Peterson. “I’m very happy they feel this research is relevant and worth acknowledging.”

Peterson is attempting to improve ethanol production using readily available plant matter such as lawn trimmings and lumber by-products. The goal of his research is to develop an efficient and sustainable energy source that does not rely on fossil fuels. “Ethanol is only part of the replacement for gas, but it’s a start,” he said.

Meanwhile, fellow Molecular Science master’s student Williams is analyzing proteins in white blood cells as part of a larger project led by his supervisor, Dr. John Marshall. Their research has applications in medical science, drug development and early disease diagnosis.

At the other end of the research spectrum, Communication and Culture students Gagné and Ryan are exploring the role of weblogs in student learning and the influence of art on technological innovation, respectively. Ryan hopes his research will foster increased collaboration between the artistic and scientific communities.

“As Ryerson continues to develop its graduate programs, it’s so important that this growth is accompanied by opportunities for students to not only participate but also to develop their own research careers,” said President Sheldon Levy.



From left: Eric Peterson; Dr. Gideon Wolfaardt; Anastasios Venetsanopoulos, Vice-President, Research and Innovation; Claude Gagné; President Sheldon Levy; Peter Ryan; Declan Williams; and Dr. Deborah Fels.

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UPCOMING EVENTS & WORKSHOPS

JUNE 2007

NSERC DISCOVERY GRANTS INFORMATION SESSION

June 5
3:00 pm - 4.30 pm
EPH 441

The 21st CANADIAN CONGRESS OF APPLIED MECHANICS will host an NSERC Information Session at Ryerson University, open to University researchers and CANCAM members. The NSERC presenters will be Serge Villemure, Director and Nancy Rock, Program Officer, Chemistry, Engineering and Mathematical Sciences.

The session will provide an overview of the preparation of Discovery Grant applications, information about NSERC policies, regulations and its peer review process; changes to programs, updates and deadlines; there will be an opportunity to ask questions and receive comments from the NSERC Program staff.

If you are interested in attending this CANCAM/NSERC session, please RSVP to:

Susan Haggis
Office of Research Services
Tel. ext. 4179
Email: smhaggis@ryerson.ca

UPCOMING DEADLINES

May 10 – Fall/Winter 2007-2008 Academic Research Assistant Program

May 15 – SSHRC International

May 15 – Canada Council: Killam Research Fellowships

May 15 – CIHR: Operating Grant: HIV Prevention: Registration Deadline: May 15, 2007, Full Application Deadline: June 15, 2007

May 15 – Real Pac Research Funding

June 6 – SSHRC Northern Research Development Program

August 15 – Deadline to register for CIHR Operating Grant

September 15 – CIHR Operating Grants – Full proposal

October 15 – Standard Research Grants

Anytime – Spencer research Grants

Any time – CIHR: Operating Grant: Intervention Research (Healthy Living and Chronic Disease Prevention)

Any time – NSERC: Agriculture and Agri-Food Canada (AAFC)/NSERC Research Partnerships Program

Any time – NSERC: Northern Research Internships

Any time – NSERC - NSERC Special Research Opportunity Program: Letter of Intent deadline: Any time; Invited Full Application

Any time – Foreign Affairs & International Trade Canada: Going Global Science & Technology Program

TRI - AGENCY FUNDING OPPORTUNITIES

NSERC - Natural Sciences and Engineering Research Council of Canada

<http://www.nserc.gc.ca/index.htm>

NSERC GERHARD HERZBERG CANADA GOLD MEDAL FOR SCIENCE AND ENGINEERING

Call for Nominations Deadline: May 1

http://www.nserc.ca/award_e.asp?nav=herzberg&lbi=nomination&format=print

The NSERC Herzberg Medal is awarded annually to an individual who has demonstrated sustained excellence and influence in research for a body of work conducted in Canada in the areas of the natural sciences or engineering supported by NSERC.

The recipient may be a scientist or engineer from a Canadian university, government or private firm. Candidates may be nominated by any individual or group; however, the nominators must be Canadian citizens or permanent residents of Canada. Posthumous or self nominations will not be accepted.

For more information on this award and on how to prepare a nomination, please refer to the NSERC website list above.

NSERC SPECIAL RESEARCH OPPORTUNITY PROGRAM

Letter of Intent

LOI deadline: Any time

Invited Full Application

http://www.nserc.ca/professors_e.asp?nav=profnav&lbi=a4

Applications to the NSERC SRO Program must be unique, unforeseen, and outside the normal evolution and advancement of a longer term research program. It must be timely and linked to a window of opportunity that did not exist a year ago, and will not exist in the future.

In addition, the research project must be novel, high risk, or have a strong potential for breakthrough. Pre-research activities must have the potential to lead to a significant new collaborative project of benefit to Canada. Types of projects that may be considered by the SRO program:

- A project that can be undertaken only in conjunction with a specific and unusual world event
- A workshop to define and plan Canadian participation in a major international research initiative
- An interdisciplinary effort to address an emerging problem of importance to Canada
- A project that leads to, or exploits, a breakthrough discovery which establishes or maintains Canada's international leadership position in a niche area
- A novel, high risk project with the potential to change the direction of thought in a discipline or open up new areas of discovery

Advancements of ongoing research and collaboration, such as research supported through an NSERC Discovery Grant, do not constitute a special opportunity. It is understood and expected that new knowledge is developed and that discoveries and breakthroughs are made through all of NSERC's grant programs. Discovery Grants also allow researchers to pursue new research interests within NSERC's mandate.

Further details and specific information on eligible research opportunities can be found on the NSERC weblink at:

http://www.nserc.ca/professors_e.asp?nav=profnav&lbi=a4

NSERC STRATEGIC PROJECT & STRATEGIC NETWORK GRANTS

Target Area Descriptions

http://www.nserc.ca/professors_e.asp?nav=profnav&lbi=target_areas&format=print

The Strategic Project (SPG) and Strategic Network Grants (SNG) are targeted program grants and applications must fall within one of the defined areas. Researchers interested in applying for these NSERC grants should review the target area descriptions before preparing their applications:

- Advanced Communications and Management of Information
- Biomedical Technologies
- Competitive Manufacturing and Value-Added Products and Processes
- Health Environment and Ecosystems
- Quality Foods and Novel Bioproducts
- Safety and Security
- Sustainable Energy Systems (Production, Distribution and Utilization)

Details on research topics within each area can be found on the NSERC website at:

http://www.nserc.ca/professors_e.asp?nav=profnav&lbi=target_areas&format=print

Changes have been made to the Safety and Security target area. Changes are pending for the Healthy Environment and Ecosystems and Sustainable Energy Systems target areas and will be available soon.

TRI - AGENCY FUNDING OPPORTUNITIES (continued)

CIHR – CANADIAN INSTITUTES FOR HEALTH RESEARCH

<http://www.cihr-irsc.gc.ca/>

CIHR: OPERATING GRANT: HIV PREVENTION

Registration Deadline: May 15

Full Application Deadline: June 15

<http://www.cihr-irsc.gc.ca/e/32875.html>

Description: The purpose of this Request for Applications is to enhance research on the prevention of HIV and to build future Canadian research capacity in this area. It is expected that this targeted investment will contribute to the identification of new or improved prevention strategies, ranging from novel technologies to innovative public health interventions, which will help reduce the further spread of HIV. Projects will be evaluated based on the excellence of the proposed project and the potential for capacity-building within these projects.

Contact:

Jennifer Ralph
Program Officer
HIV/AIDS Research Initiative
CIHR - Institute of Infection and Immunity
Tel: (613) 941-4464
Fax: (613) 954-1800
Email: jralph@cihr-irsc.gc.ca

Additional Information
Available on the ORS
Website:

<http://www.ryerson.ca/ors>

CIHR OPERATING GRANT

Deadline to Register: August 15

Deadline for Full Application:

September 15

<http://www.cihr-irsc.gc.ca/e/22377.html>

Description:

The objective of the CIHR Operating Grants program is to contribute to the creation, dissemination and use of health-related knowledge, and to help develop and maintain Canadian health research capacity, by supporting original, high quality projects proposed and conducted by individual researchers or groups of researchers, in all areas of health research.

Make sure to choose the correct committee:

Committee mandates: <http://www.cihr-irsc.gc.ca/e/4657.html>

Committee and Program Officers:
<http://www.cihr-irsc.gc.ca/e/13820.html>

OPERATING GRANT: INTERVENTION RESEARCH

**(HEALTHY LIVING AND CHRONIC
DISEASE PREVENTION)**

Deadline: Anytime

<http://www.cihr-irsc.gc.ca/e/32835.html>

Letters of Intent (LOI) and invited full applications will be accepted on a rolling basis until available funding has been depleted. Applicants who have submitted successful LOIs will receive invitations to submit full applications within 2-3 weeks of LOI receipt. Full applications must be submitted within 3 months of the LOI decision. Full applications received after this time will be re-evaluated for continued relevance to this program prior to being peer reviewed. Notification of decision is within 3-4 months of receipt of full application. Earliest start date is within 1 month of notification of decision. This funding opportunity announcement will expire on December 15, 2007. INMD is planning to re-launch this RFA on December 15, 2007 and December 15, 2008 funds permitting.

Description: The purpose of this Request for Applications is to support prompt initiation of intervention and evaluation research on programs, events, and/or policy changes that have been initiated by others and have the potential to impact healthy living and chronic disease prevention among Canadians at the population level. Researchers are encouraged to collaborate with community, non-profit, private, and/or public partners, where appropriate, to maximize knowledge exchange and learning for all parties.

Contact:

Tamara Marshall
Program Delivery Officer
Program Delivery (IMHA/IPPH/IHSPR)
Tel: (613) 941-0861
Fax: (613) 954-1800
Email: tmarshall@cihr-irsc.gc.ca

TRI - AGENCY FUNDING OPPORTUNITIES (continued)

SSHRC - Social Sciences and Humanities Research Council of Canada

http://www.sshrc.ca/web/apply/program_index_e.asp

NORTHERN RESEARCH DEVELOPMENT PROGRAM

Deadline: June 6

http://www.sshrc.ca/web/apply/program_descriptions/northern_e.asp

Description:

The NRDP responds to the current state of Canadian research in and on the North. The objectives are to:

- support revitalization of existing research and research-related activities;
- support the development of innovative programs of research and research activities in the North;
- provide opportunities for training students as future researchers;
- expand the capacity of individual researchers, research groups and institutions to conduct research in the North;
- support research and related activities that meet the needs of northern residents by involving them in the research process.

If you have any questions about the Northern Research Development program, please contact:

Luc Lebrun
Program Officer
Strategic Programs and Joint Initiatives
SSHRC
350, rue Albert, C.P. 1610
Ottawa (Ontario) K1P 6G4
Tel: (613) 947-9652
Fax: (613) 947-0223
E-Mail: luc.lebrun@crsh.ca

INTERNATIONAL OPPORTUNITIES FUND

Deadline: September 13

http://www.sshrc.ca/web/apply/program_descriptions/iof_e.asp

Description: There are both Development Grants (up to \$25,000) and Project Grants (up to \$75,000) available.

The objectives of the Program are to:

- help Canadian researchers to initiate and develop international research collaborations;
- facilitate Canadian participation or leadership in current or planned international research initiatives that offer outstanding opportunities to advance Canadian research.

Development Grants, to support developmental activities—such as workshops, seminars, and planning meetings—that are expected to lead to significant international collaboration; **Project Grants**, to help secure Canadian participation or leadership in current or planned international research initiatives or networks.

The program is not intended to support activities that can be funded through other available SSHRC programs. Further collaborative activities resulting from these grants should be supported through other SSHRC programs or other sources.

Contact:

Laurent Messier
Acting Senior Program Officer
International Opportunities Fund
SSHRC
350 Albert Street
P.O. Box 1610
Ottawa, ON K1P 6G4
Tel.: (613) 943-1148
Fax: (613) 947-0223
E-mail: laurent.messier@sshrc.ca

STANDARD RESEARCH GRANTS

Deadline: October 15

http://www.sshrc.ca/web/apply/program_descriptions/standard_e.asp

Description:

The broad purpose of the Standard Research Grants program is to support research and develop excellence in research activities in the social sciences and humanities.

The specific objectives of the program are to:

- support high quality independent programs of research, as proposed by scholars and judged by their peers;
- provide opportunities for the training of future researchers;
- contribute to the development or elaboration of new theoretical or methodological approaches to research;
- maintain and develop vigorous disciplinary research activities;
- foster and develop vigorous collaborative, multidisciplinary research activities among researchers in the social sciences and humanities; and
- assist the communication of research results both within and beyond the academic community.

Contact:

A list of SRG Program Officers is available at:

http://www.sshrc.ca/web/apply/background/standard_officers_e.asp

OTHER FUNDING OPPORTUNITIES

CANADA COUNCIL: KILLAM RESEARCH FELLOWSHIPS

Deadline: May 15

www.canadacouncil.ca

Description:

Killam Research Fellowships are offered on a competitive basis to support researchers in the humanities, social sciences, natural sciences, health sciences, engineering, or studies linking any of the disciplines within these fields. They are intended for established scholars (typically at the rank of full professor) who have demonstrated outstanding research ability and who have published the results of their research through substantial publications in their field. The fellowships provide two years of release time and are valued at \$70,000 per year. Applicants must use the Canada Council online application system.

Applicants must send an e-mail to the Killam Program at: killam@canadacouncil.ca requesting a user name, password and personal identification number (PIN) in order to access the online form.

Contact:

Janet Riedel Pigott
Tel: (613) 566-4414 ext 5041

SPENCER FOUNDATION

Deadline: Initial proposals are accepted at any time, regardless of the level of funding requested. For proposals over \$40,000, if you are invited to submit an expanded proposal, the **deadlines normally fall at the beginning of July, and December each year**, with notification taking place within eight months.

http://www.spencer.org/programs/grants/research_grants.htm

Description:

The Spencer Foundation provides funding for investigations that promise to yield new knowledge about education in the United States or abroad. The Foundation funds research grants that range in size from smaller grants that can be completed within a year, to larger, multi-year endeavors. Whereas in the past the Foundation had two distinct research grant programs based on budget size, we now have reorganized our research grant programs around the following areas of inquiry:

1. The Relation between Education and Social Opportunity;
2. Organizational Learning in Schools, School Systems, and Higher Education Institutions;
3. Teaching, Learning, and Instructional Resources;
4. Purposes and Values of Education; and
5. Field-Initiated Proposals.

Contact:

A list of Program Officers is available at: http://www.spencer.org/contacting/program_offices.htm

FOREIGN AFFAIRS & INTERNATIONAL TRADE CANADA

Going Global Science & Technology Program (2006-2008)

Deadline: Anytime (6 weeks prior to commencement of project)

<http://www.infoexport.gc.ca/science/global-en.htm>

Ryerson faculty interested in this Program are asked to contact the Office of International Affairs (Marsha McEachrane Mikhail at Ext. 6995 or mmceachr@ryerson.ca) in advance to discuss their proposed project.

The Going Global S&T Program supports activities ("projects") that aim to build on targeted relationships between Canadian researchers and key players in other countries and allow them to proceed with the formal discussions required to initiate collaboration on future international research and development initiatives. The Program funding is used for the face-to-face encounters needed to solidify the partnership and move it forward to the point where the researchers can begin the R&D phase of the initiative. These meetings may be used to formulate the partnership and conduct detailed planning of their collaborative R&D initiative (i.e. to define objectives, activities, timelines, responsibilities, etc.).

The Going Global S&T Program supports projects designed to bring together Canadian researchers to foster identified opportunities for collaborative partnerships with key players in foreign countries.

Eligible beneficiaries are Canadian researchers from private companies, universities and non-government research centres. Researchers at government research centres (federal, provincial, municipal, Crown Corporations) are not eligible as recipients of the funding, however, they may participate in projects funded by the Going Global S&T Program provided their expenses are covered by other sources (i.e. they pay for their own expenses). The agreement is signed with the Project Lead Institute which must be a private company, a university or a non-government research centre.

INTERNAL FUNDING OPPORTUNITIES

ACADEMIC RESEARCH ASSISTANT PROGRAM

Fall/Winter 2007-2008

Deadline: May 10

Duration:

September 4 to March 21, 2008

10-13 hrs per week,
67 per semester,
134 total hours
\$13.19 per hour (under negotiation)

75% \$1,500 government funded
25% \$ 500 contributed by PI

LOOKING FOR A FORM?

Some of the forms available on
the ORS website include:

- * Research Grant/Contract Authorization
- * Research Travel Authorization
- * Lost Receipt Declaration
- * Research Involving Animals
- * Research Involving Human Subjects
- * Research Involving Biohazardous
Materials
- * Risk Assessment
- * Invention Disclosure
- * Software Disclosure

Visit the ORS website for more
information:

<http://www.ryerson.ca/ors/forms>

ONLINE GUIDES

CIHR: Grants and Awards Guides

<http://www.cihr-irsc.gc.ca/e/805.html>

NSERC: Use of Grants Funds

[http://www.nserc.gc.ca/professors_e
.asp?nav=profnav&lbi=f3](http://www.nserc.gc.ca/professors_e.asp?nav=profnav&lbi=f3)

SSHRC: Using your Funds

[http://www.sshrc.ca/web/using/using
_e.asp](http://www.sshrc.ca/web/using/using_e.asp)

ORS CONTACT INFORMATION

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TBD

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Research Opportunities Newsletter is produced monthly by the Office of Research Services (ORS) at Ryerson University.

Distribution is via the researchnet Listserv and on the ORS website <http://www.ryerson.ca/ors>

To subscribe to the Listserv send an email to:

majordomo@ryerson.ca

In the body of the message type "subscribe researchnet"

Questions, materials, comments about Research

Opportunities Newsletter can be sent to:

Bob Dirstein at dirstein@ryerson.ca, Jane Burns at

mjburns@ryerson.ca, or Elizabeth Mota at

emota@ryerson.ca