



# 2012

## FHS Research Plenary 2012

**Tuesday, May 8 – Thursday, May 10, 2012**

*Awards Reception: Wednesday, May 16, 2012*



[fhs.mcmaster.ca/grad](http://fhs.mcmaster.ca/grad)

McMaster  
**125**



**Celebrating Excellence**  
in the areas of graduate  
student and postdoctoral  
fellow health science research

McMaster  
University  
HEALTH SCIENCES 

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COMMITTEE MEMBERS, AND VOLUNTEERS**

# Congratulations to the Winners of the 2012 FHS Research Plenary Awards

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## GRADUATE STUDENT AWARDS

### Graduate Student Publication Awards

Nicole Barra	<i>Medical Sciences</i>
Sana Basseri	<i>Medical Sciences</i>
Rong (Rachel) Chu	<i>Health Research Methodology</i>
Ahmad Jomaa	<i>Biochemistry</i>

### Teaching Assistant Excellence Awards

Nicole Barra	<i>Medical Sciences</i>
Ankush Chander	<i>Medical Sciences</i>
Alicja Puchta	<i>Medical Sciences</i>

### Graduate Student Leadership Award

Sana Basseri	<i>Medical Sciences</i>
Megan Dodd	<i>Biomedical Engineering</i>

### Graduate Student Innovation & Entrepreneurship Award

Janice Kim	<i>Medical Sciences</i>
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## POSTDOCTORAL FELLOW AWARDS

### Postdoctoral Fellow Publication Award

Morgan Fullerton	<i>Department of Medicine</i>
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### Postdoctoral Fellow Leadership Award

Matthew Workentine	<i>Department of Medicine</i>
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## ADDITIONAL AWARDS FOR EXCELLENCE

### Health Sciences Graduate Student Diversity Award

D'Andra Parker	<i>Medical Sciences</i>
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### Graduate Student International Trainee Award

Manraj Kaur	<i>Rehabilitation Science</i>
Reem Mustafa	<i>Health Research Methodology</i>

**Postdoctoral Fellow International Trainee Award**

Eleftherios Sachlos

*Department of Biochemistry & Biomedical Sciences*

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**FACULTY AWARDS**

**Faculty of Health Sciences Graduate Supervision Award**

Ram Mishra

*Department of Psychiatry & Behavioural Neurosciences*

Lehana Thabane

*Department of Clinical Epidemiology & Biostatistics*

**Faculty of Health Sciences Postdoctoral Supervision Award**

Patty Solomon

*School of Rehabilitation Science*

Gerry Wright

*Department of Biochemistry & Biomedical Sciences*

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**GRADUATE PROGRAM AWARDS**

**Faculty of Health Sciences Graduate Programs Excellence Award**

Amal Al-Garawi

*Medical Sciences*

Sarah Allison

*Biochemistry*

Elena Bamm

*Rehabilitation Science*

Sana Basseri

*Medical Sciences*

Dipannita Basu

*Medical Sciences*

Teresa Bennett

*Health Research Methodology*

Clint Campbell

*Biochemistry*

Connie Cheng

*Neuroscience*

Tsee Leng Choy

*Neuroscience*

Derek Chu

*Medical Sciences*

Tyler Cluff

*Neuroscience*

Cara-Lee Coghill

*Nursing*

Esther Coker

*Nursing*

Tammy Cosman

*Nursing*

Arryn Craney

*Biochemistry*

Andree Cusi

*Neuroscience*

Nicole DeLong

*Medical Sciences*

Vincent DePaul

*Rehabilitation Science*

Nicolas Dery

*Neuroscience*

Shanil Ebrahim

*Health Research Methodology*

Maya Farha

*Biochemistry*

Vitor Ferreira

*Medical Sciences*

Scott Fitzpatrick

*Biomedical Engineering*

Mark Fuller

*Biochemistry*

Stephen Gentles

*Health Research Methodology*

Stelios Georgiades

*Health Research Methodology*

Amy Gillgrass

*Medical Sciences*

Jessica Guerette	<i>Medical Sciences</i>
Robin Hallett	<i>Biochemistry</i>
Amabilis Harrison	<i>Neuroscience</i>
Afeez Hazzan	<i>Health Research Methodology</i>
Andrea Hinds	<i>Neuroscience</i>
Aravinthan Jegatheesan	<i>Biomedical Engineering</i>
Ahmad Jomaa	<i>Biochemistry</i>
Lindsay Kalan	<i>Biochemistry</i>
Minesh Kapadia	<i>Neuroscience</i>
Matthew Krause	<i>Medical Sciences</i>
Kyla Sask	<i>Biomedical Engineering</i>
Chitra Laloo	<i>Medical Sciences</i>
Danielle Levac	<i>Rehabilitation Science</i>
Jovana Lubarda	<i>Neuroscience</i>
Lindsay Matthews	<i>Biochemistry</i>
Heather McDonald	<i>Health Research Methodology</i>
Saurabh Mehta	<i>Rehabilitation Science</i>
Liesel-Ann Meusel	<i>Neuroscience</i>
Vladimir Miscovic	<i>Neuroscience</i>
Kaelan Moat	<i>Health Policy</i>
Wendy Mok	<i>Biochemistry</i>
David Mulder	<i>Biochemistry</i>
Lise Munsie	<i>Biochemistry</i>
Reem Mustafa	<i>Health Research Methodology</i>
Jane Natividad	<i>Medical Sciences</i>
Erin O'Farrell	<i>Neuroscience</i>
Suzanne Osborne	<i>Biochemistry</i>
Yaw Owusu	<i>Health Policy</i>
Daniel Patiño	<i>Health Policy</i>
Regan Patrick	<i>Neuroscience</i>
Kim Phan	<i>Medical Sciences</i>
Monica Pillon	<i>Biochemistry</i>
Joshua Pinto	<i>Neuroscience</i>
Janice Pogue	<i>Health Research Methodology</i>
Sarah Reid	<i>Biochemistry</i>
Brian Richardson	<i>Neuroscience</i>
Chris Shaler	<i>Medical Sciences</i>
Jessica Shearer	<i>Health Policy</i>
Yulia Shulga	<i>Biochemistry</i>
Christal Sookram	<i>Neuroscience</i>
Rebecca Spark	<i>Nursing</i>
Ivan Stevic	<i>Medical Sciences</i>
Chris Stone	<i>Medical Sciences</i>

Laura Swystun	<i>Medical Sciences</i>
Mark Tucci	<i>Neuroscience</i>
Ryan Van Lieshout	<i>Health Research Methodology</i>
Michael Walsh	<i>Health Research Methodology</i>
Mohammed Warsi	<i>Biomedical Engineering</i>
Abigail Wickson-Griffiths	<i>Nursing</i>
Michael Willand	<i>Biomedical Engineering</i>
Ceinwen (Kate) Williams	<i>Neuroscience</i>
Andy Kin Wong	<i>Medical Sciences</i>
Soumaya Zlitni	<i>Biochemistry</i>

**Faculty of Health Sciences Graduate Programs Outstanding Achievement Award**

Shahista Bandali	<i>eHealth</i>
Fernando Botto	<i>Health Research Methodology</i>
Michelle Bridge	<i>Health Research Methodology</i>
Stephen Brushett	<i>Occupational Therapy</i>
Arwen Caines	<i>Occupational Therapy</i>
Petrina Calder	<i>Occupational Therapy</i>
Rafi Chaudhury	<i>Global Health</i>
Rachel Chu	<i>Health Research Methodology</i>
Andree Cusi	<i>Neuroscience</i>
Graham Dalseg	<i>Physiotherapy</i>
Jana Danziger	<i>Occupational Therapy</i>
Markus Faulhaber	<i>Health Research Methodology</i>
Scott Fitzpatrick	<i>Biomedical Engineering</i>
Jessica Gillespie	<i>Physiotherapy</i>
Qing Guo	<i>Health Research Methodology</i>
Jeremy Hernandez	<i>Medical Sciences</i>
Rebecca Jenkins	<i>Occupational Therapy</i>
Philip Joseph	<i>Health Research Methodology</i>
Lindsay Kalan	<i>Biochemistry</i>
Manraj Kaur	<i>Rehabilitation Science</i>
Hmwe Kyu	<i>Health Research Methodology</i>
Don Lesar	<i>Physiotherapy</i>
Nadine Lozon	<i>Occupational Therapy</i>
Giovanna Lurati Buse	<i>Health Research Methodology</i>
Jinhui Ma	<i>Health Research Methodology</i>
Connor Massimo	<i>Physiotherapy</i>
Deepa Mathew	<i>eHealth</i>
Saurabh Mehta	<i>Rehabilitation Science</i>
Liesel-Ann Meusel	<i>Neuroscience</i>
Ryan Mitchell	<i>Biochemistry</i>
Lise Munsie	<i>Biochemistry</i>

Julian Nam	<i>Health Research Methodology</i>
Kaylan O'Meara	<i>Physiotherapy</i>
Suzanne Osborne	<i>Biochemistry</i>
Manu Raj	<i>Health Research Methodology</i>
Stefanie Ralph	<i>Health Management</i>
Courtney Schnurr	<i>Physiotherapy</i>
Rebecca Jane Schuler	<i>Physiotherapy</i>
Neva Shemilt	<i>Occupational Therapy</i>
Yulia Shulga	<i>Biochemistry</i>
Katie Snowdon	<i>Physiotherapy</i>
Rebecca Spark	<i>Nursing</i>
Chris Stone	<i>Medical Sciences</i>
Seiji Sugiman-Marangos	<i>Biochemistry</i>
Barbara Tatham	<i>Physiotherapy</i>
Jessica Temesy	<i>Physiotherapy</i>
Ana Tomljenovic-Berube	<i>Biochemistry</i>
Alexander Tytus	<i>Occupational Therapy</i>
Lisa Vandenberk	<i>Physiotherapy</i>
Lauren Wallar	<i>Biochemistry</i>
Michael Willand	<i>Biomedical Engineering</i>

**Faculty of Health Sciences Graduate Programs Outstanding Thesis Awards**

Gina Agarwal	<i>Health Research Methodology</i>
Katherine Arias	<i>Medical Sciences</i>
Sana Basseri	<i>Medical Sciences</i>
Julia Cahenzli	<i>Medical Sciences</i>
Clint Campbell	<i>Biochemistry</i>
Yu Seon Chung	<i>Biochemistry</i>
Tyler Cluff	<i>Neuroscience</i>
Robert Cowan	<i>Medical Sciences</i>
Nora Fayed	<i>Rehabilitation Science</i>
Jeremy Hernandez	<i>Medical Sciences</i>
Matthew Krause	<i>Medical Sciences</i>
Carrie Mines	<i>Nursing</i>
Vladimir Miscovic	<i>Neuroscience</i>
Toran Sanli	<i>Medical Sciences</i>
Chris Stone	<i>Medical Sciences</i>
Xin Sun	<i>Health Research Methodology</i>
Laura Swystun	<i>Medical Sciences</i>

# 2012 FHS Research Plenary

## Oral and Poster Winners

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### OUTSTANDING POSTER PRESENTATIONS

Robert	Gale	MSc	<i>Biochemistry</i>
Travis	Gould *	MSc	<i>Medical Sciences</i>
Meghann	Gregg	MSc	<i>Health Research Methodology</i>
Momina	Khan *	MSc	<i>Medical Sciences</i>
Anne-Marie	Lacroix	MSc	<i>Biochemistry</i>
Katarina	Marcinko *	PhD	<i>Medical Sciences</i>
Lisa	Rivard	PhD	<i>Rehabilitation Science</i>
Ana	Tomljenovic-Berube *	PhD	<i>Biochemistry</i>
Erin	Westman *	PDF	<i>Biochemistry &amp; Biomedical Sciences</i>
Melec	Zeadin	PhD	<i>Medical Sciences</i>

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### EXCELLENCE IN POSTER PRESENTATIONS

Jessica	Blavignac	PhD	<i>Medical Sciences</i>
Kyle	Flannigan	MSc	<i>Medical Sciences</i>
C.J.	Foote	MSc	<i>Clinician Investigator Program (HRM)</i>
Christine	Gabardo	MASc	<i>Biomedical Engineering</i>
Patricia	Power	MSc	<i>Medical Sciences</i>
Sangeena	Salam	PhD	<i>Biology</i>
Christal	Sookram	PhD	<i>Neuroscience</i>
Heather	VanSeggelen	PhD	<i>Medical Sciences</i>
Fiona	Whelan	MSc	<i>Medical Sciences</i>
Soumaya	Zlitni	PhD	<i>Biochemistry</i>

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### OUTSTANDING ORAL PRESENTATIONS

Rafi A.	Chaudhury	MSc	<i>Global Health</i>
Jennie	Johnstone	PhD	<i>Health Research Methodology</i>
Kulamakan	Kulasegaram	PhD	<i>Health Research Methodology</i>
Cameron	McAlpine	PhD	<i>Medical Sciences</i>
Joseph	McPhee *	PDF	<i>Biochemistry &amp; Biomedical Sciences</i>
Sarah	Reid-Yu	PhD	<i>Biochemistry</i>
Lisa	Saldanha	MSc	<i>Medical Sciences</i>
Jessica	Shearer	PhD	<i>Health Policy</i>
Jonathan	Stokes *	PhD	<i>Biochemistry</i>
Karyn	Taplay	PhD	<i>Nursing</i>
Justin	Tong *	MSc	<i>Neuroscience</i>
Jonathan	Yau	PhD	<i>Biomedical Engineering</i>
Calvin	Yeh	PhD	<i>MD/PhD (Medical Sciences)</i>



## We also congratulate all holders of external and internal awards in 2011-12

Biochemistry	Sarah	Allison	CIHR CGSD / Karl B. Freeman (1st Prize MSc)
	Moroj	Ba-Akdah	Royal Embassy of Saudia Arabia
	Daniel	Berialult	OGS
	Allison	Boyd	NSERC CGSD
	Beverly	Buzon	QEII GSST
	Nicholas	Caron	OGS
	Matthew	Czerwinski	NSERC CGSM
	Carly	Desmond	OGS
	Michelle	Dowling	OGS
	Shannon	Falconer	QEII GGST
	Maya	Farha	CIHR CGSD
	Mark	Fuller	CIHR CGSD
	Leticia	Gonzalez Jara	CONCICYT Becas-Chile Scholarship
	Robin	Hallett	OGS
	Simon	Huang	OGS
	Ahmad	Jomaa	CIHR CGSD / Impact (3rd prize)
	Justin	Kale	CDN Breast Cancer Award / Fred & Helen Knight Award / Thomas Nielson Award
	Julienne	Kaiser	OGS
	Pushpinder	Kanda	NSERC CGSM
	Pui Sai	Lau	NSERC PGSD
	Wilson	Lee	OGS
	Branavan	Manoranjan	CIHR CGSM
	Lindsay	Matthews	CIHR CGSD / Karl B. Freeman (1st Prize PhD)
	Ryan	Mitchell	The Nick DiPietro OGS
	Mak	Moc	QEII GGST
	David	Mulder	CIHR CGSD
	Lise	Munsie	CIHR CGSD / Impact (1st prize)
	Hafiz Sohail	Naushad	The Islamia University of Bahawalpur
	Ylan	Nguyen	CCFF Cystic Fibrosis / Fred & Helen Knight Award
	Sara	Nolte	OGS
	Suzanne	Osborne	CIHR CGSD VANIER
	Monica	Pillon	NSERC CGSD / Lee Nielson Roth Award

	Sarah	Reid	OGS / Fred & Helen Knight Award / Karl B. Freeman (2nd Prize PhD)
	Kyle	Salci	OGS
	Matthew	Sapiano	NSERC CGSM
	Sanjeevan	Shivakumar	Karl B. Freeman (2nd Prize MSc)
	Yulia	Shulga	Impact (2nd prize)
	Leanne	Stalker	CDN Breast Cancer Award
	Geordie	Stewart	CIHR CGSD
	Herlinder	Takhar	OGS
	Ana	Tomljenovic	OGS
	Brian	Tuinema	OGS
	Daniel	Venegas Pino	CONCICYT Becas-Chile Scholarship
	Lauren	Wallar	CIHR CGSM
	Pei	Yu	China Scholarship Council
	Soumaya	Zlitni	CIHR CGSD VANIER
Biomedical Engineering	Alireza	Akbari	Dr. David Williams Scholarship in Biomedical Engineering
	Cheryl	Druchok	OGS
	Scott	Fitzpatrick	OGS
	Christine	Gabardo	OGS
	Aravinthan	Jegatheesan	NSERC IPS2
	Gavin	Jones	OGS
	Frances	Lasowski	Vanier Canada Graduate Scholarships
	Ryan	Love	NSERC CGS-D
	Ben	Muirhead	QEII GSST
	Conrad	Rockel	NSERC CGS-D
	Kyla	Sask	NSERC PGS-D
	Baharah	Sayyar	OGS
	Alexander	Weber	NSERC PGS-D
	Michael	Willand	OGS
	Shu-Chi	Yeh	OGS
Health Policy	Sarah	Boesveld	OGS / CIHR Training Program (OTC) / CHEPA PhD Scholarship Award
	Francesca	Brundisini	CHEPA Entrance Scholarship / SGS International Excellence Award
	Kathy	Li	OGS / CHEPA PhD Scholarship Award
	Kaelan	Moat	OGS / CHEPA PhD Scholarship Award
	Stephanie	Montesanti	OGS / CIHR Training Program (PHIRN) / CHEPA PhD Scholarship Award
	Yaw	Owusu	OGS / CHEPA PhD Scholarship Award
	Daniel	Patiño	CIHR Training Program (OTC)

Health Research Methodology	Ana	Alba	VANIER GRD SCH-SSHRC
	Lisa	Carlesso	CIHR CGS DOCTORAL
	Rong	Chu	CIHR CGS DOCTORAL
	Wei	Deng	OGS
	Shanil	Ebrahim	CIHR CGS DOCTORAL / MITACS
	Natasha	Fernandes	CIHR - MASTER'S
	Vanja	Gavranic	OGS
	Stephen	Gentles	CIHR - TRAINING PGM
	Meghann	Gregg	DR. JOHN THOMAS MEMORIAL BURSARY
	Qing	Guo	OGS
	Rebecca	Jeffery	OGS
	Divya	Joshi	OGS
	Melissa	Kimber	CIHR CGS DOCTORAL
	Lawrence	Mguagbaw	ONTARIO TRILLIUM SCH / FERGUS MILLS SCH
	Julian	Nam	MITACS
	Immaculate	Nevis	OGS
	Manu	Raj	CIHR - HOPE SCH
	Nancy	Santesso	CIHR FELLOWSHIP
	Karan	Shah	ONTARIO GRAD SCH
	Iqra	Syed	BETTY HORRICKS RESEARCH ENDOWMENT FUND
David	Tanner	OGS	
Elena	Tsangaris	CIHR - TRAINING PGM	
Chenglin	Ye	FR SEAN O'SULLIVAN	
Reza	Yousefi Nooraie	SGS INTL EXCELLENCE AWRD / VANIER CGS	
Yuqing	Zhang	SGS INTL EXCELLENCE AWRD	
Medical Sciences	Imtisal	Al-Bondokji	FSORC
	Nicole	Barra	OGS
	Dipannita	Basu	CIHR CGS DOCTORAL
	Jessica	Blavignac	RICHARD J. HASLAM MEMORIAL SCHLORSHIP
	Lisa	Chu	OGS
	Robert	Clayden	OGS
	Josh	Collins	OGS
	Breanne	Cuddington	CDN BREAST CANCER / YATES SCH FUND
	Nicole	De Long	OHRI
	Donna	D'Souza	CIHR CGS DOCTORAL
	Benny	Dua	EVA EUGENIA LILLIAN COPE GRAD SCHLORSHIP
	Vitor	Ferreira	OHTN
	Naomi	Fink	ODED BAR-OR BURSARY
	Anne	Gannon	CIHR TRAINING PROGRAM - REDIH
	Amy	Gillgrass	CDN BREAST CANCER / W.E. RAWLS MEMORIAL SCH

Christina	Johnson	MYRA BAILLIE ACADEMIC GRANT
Christine	Kerr	VANIER GRD SCH-SSHRC
Momina	Khan	QEII GSST
Joshua	Kong	OGS
Tamara	Krneta	CIBC GRAD BURSARY IN BREAST CANCER
Chitra	Lallo	OGS/CANADIAN ARTHRITIS AWRD
Alina	Lelic	CIHR CGS DOCTORAL
Maple	Liu	OGS
Alba	Llop	SGS INTL EXCELL AWRD
Cameron	McAlpine	OGS
Daniel	Moldaver	FSORC
Janet	Natividad	OGS
Thanh	Nguyen	NSERC PGS DOCTORAL
James	Nikota	OGS
Daniel	Ogborn	NSERC PGS DOCTORAL
Marc	Pistilli	OGS
Janet	Pritchard	OGS
Dilisha	Rodrigopulle	OGS
Kristy	Roth	OGS
Toran	Sanli	OGS
David	Schnittker	OGS
Rhandi	Senaratne	VANIER CGS
Christopher	Shaler	CIHR DOCTORAL
Pamela	Shen	OGS
Elizabeth	Simms	LOUIS MINDEN SCH IN HEALTH SCIENCE
Kyle	Stephenson	OGS
Nima	Vaezadeh	OGS
Heather	Vanseggelen	CIHR CGS DOCTORAL
Trang	Vu	OGS
Nuo	Wang	QEII GSST
Jocelyn	Wessels	OGS / VANIER CGS
Fiona	Whelan	QEII GSST
Steven	Wong	OGS
Mizna	Zaveri	MYRA BAILLIE ACADEMIC GRANT
Melec	Zeadin	NSERC CGS DOCTORAL

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Neuroscience	Andrea	Hinds	CIHR CGS-D
	Tsee Leng	Choy	Ministry of Higher Education (MOHE) - Government of Malaysia Scholarship
	Michael	Chrostowski	NSERC CGS-D
	Mike	Wong	NSERC CGS-D
	Naz	Rajabi	NSERC CGS-M
	Alan	Cooper	OGS

	Nick	Dery	OGS
	Allyson	Graham	OGS
	Minesh	Kapadia	OGS
	Jovana	Lubarda	OGS
	Melissa	McCrary	OGS
	Anthony	Nazarov	OGS
	Brian	Richardson	OGS
	Kelly	Rilett	OGS
	Thomas	Sabljic	OGS
	William (Bill)	Simpson	OGS
	Christal	Sookram	OGS
	Wanda	Truong	OGS
	Mark	Tucci	OGS
	Kate	Williams	OGS
	Andree	Cusi	OMHF
	Melissa	Parlar	OMHF
	Jonathan	Lai	Vanier CIHR
	Regan	Patrick	Vanier CIHR
	Mattea	Tan	QEIGSST
	Mary	Sourial	QEIGSST
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Nursing	Pieter	Agema	ANN C. BECKINGHAM GRAD SCHLORSHIP
	Cara-Lee	Coghill	OGS
	Christine	Dennis	VIVIAN WOOD SCHLORSHIP
	Rebecca	Ganann	VANIER GRD SCH-SSHRC
	Mayura	Kandasamy	QEII GSST
	Vanessa	Lobo	OGS
	Amy	Robinson	AILEEN MCPHAIL
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Occupational Therapy	Kanishka	Baduge	OGS
	Lisa	Blenkhorn	OGS
	Carla	Giddings	OGS
	Jillian	Goodbrand	LAURA BABISKI MEMORIAL BURSARY
	Kaitlin	Hammel	OGS
	Dana	Henderson	ALISON FISHER LALL SCHLORSHIP
	Irene	McEwan	OGS
	Jennifer	Siemon	OGS/MARY TREMBLAY ACADEMIC GRANT
Beverley	Wasmund	OGS	
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Physiotherapy	Laurence	Boma-Fischer	OGS
	Andrew	Dupras	OGS
	Jenna	Franklin	OGS
	Catherine	Howard	OGS
	Yan	Huang	OGS
	Jenna	Johnson	OGS
	Stephanie	Kellowan	OGS
	Philippe	Lachance	OGS
	Neenah	Navasero	OGS
	Nami	Osakabe	OGS
	Sen	Phang	OGS
	Paul	Platt	OGS
	Robin	Valadares	OGS
	Kaley	Veerman	OGS
	Lauren	Wallis	OGS
Jenny	Zhan	OGS	
Gorana	Zubic	OGS	

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Rehabilitation Science	Elena	Bamm	CIHR CGSD
	Beata	Batorowicz	VANIER - SSHRC
	Briano	Di Rezze	CIHR - Autism Research Training
	Susan	Guenther	CIHR CGSD
	Pranay	Jindal	CIHR PAIN
	Manraj	Kaur	OGS
	Danielle	Levac	CCHCSP / ANNE HALL MEMORIAL PRIZE
	Heather	Linley	CIHR - JUMP
	Amanda	Lorbergs	CIHR - JUMP
	Adalberto	Loyola-Sanchez	VANIER CGS
	Saurabh	Mehta	CIHR DOCTORAL / MSK Pain
	Lisa	Rivard	CIHR CGSD
	Shafiq	Shah	CIHR - JUMP
Kathryn	Sinden	CIHR - JUMP	

# Health Sciences Graduate Studies

*McMaster University has an outstanding national and international reputation as one of the most successful research-intensive universities. Our Graduate Programs in Health Sciences form a key component of this strength, offering excellent training and experiences in health-related research fields. Health Sciences graduate students are immersed in a culture of collaboration and inter-professional learning, and provide opportunities for students to pursue either course-based or research-intensive graduate programs that include health professional training programs. The diverse opportunities in our Master's and Doctoral programs allow students to develop the important professional skills that become the foundation for future career successes and life-long learning. Our highly-talented faculty and postdoctoral fellows are from many different departments and disciplines in the University, including the teaching hospitals in Hamilton, associated research institutes and centers, and multidisciplinary training programs, offered in collaboration with other Faculties. Our programs embrace a culture of innovation, collaboration, excellence in mentorship, education and research that enables graduate students to reach their maximum potential. We invite you to explore the many opportunities available within our graduate programs.*

## **BIOCHEMISTRY**

Biochemistry & Biomedical Sciences offers leading-edge training at the MSc, PhD and MD/PhD levels. We are an internationally-competitive and research-intensive program operating in various scientific disciplines. The graduate experience in our Department is defined by a world-class experience in a research laboratory, the synthesis of skills in experimental design, interpretation, and scientific communication, and strong mentorship from leading researchers in the biomedical sciences. At the heart of our program are 125 graduate students working in research labs on the McMaster campus and affiliated hospitals and research institutes across the city. Our program is heavily invested in world-class research infrastructure supporting all areas of biomedical research, allowing students to conduct research that is creative and original with unparalleled depth of discovery.

## **MEDICAL SCIENCES**

With more than eighty faculty and one hundred and seventy five students, Medical Sciences is the largest graduate program in biomedical and health-related research in the Faculty of Health Sciences. Our programs are interdepartmental and interdisciplinary, ideally preparing students for future careers in biomedical and translational research. We offer MSc, PhD, and MD/PhD graduate education and training in five areas relevant to human health: Blood and Vasculature; Cancer and Genetics; Infection and Immunity; Metabolism and Nutrition; and Physiology and Pharmacology. Ongoing interactions between our basic scientists and our clinical faculty foster unique innovations providing opportunities for translational research spanning several disciplines.

## **HEALTH RESEARCH METHODOLOGY**

The Health Research Methodology Program (HRM) offers training at the MSc and PhD level within five fields of specialization (Clinical Epidemiology, Biostatistics, Health Services Research, Population and Public Health, and Health Technology Assessment). The goal is to produce graduates with research methods skills that enable them to “push the boundaries of knowledge” relevant to improving clinical practice (including medical education research), strengthening health systems and enhancing population health. The HRM Program offers an interdisciplinary educational model that draws on faculty members from numerous departments and disciplines, allowing students the unique opportunity to train with world-renowned health researchers who lead major studies based in numerous sites in Canada, North America and beyond.

## **NURSING**

The Nursing graduate program provides students with the opportunity to become clinical health science investigators in Nursing, contributing to the development of the theoretical basis of practice and to the development and evaluation of health care interventions and programs. The program offers studies leading to the MSc and PhD, as well as Graduate Diplomas in Advanced Neonatal Nursing and Primary Health Care Nurse Practitioner. Students in the graduate program have access to the educational, research and clinical resources of the Faculty of Health Sciences and the services of the Hamilton-Wentworth health care community.

## **REHABILITATION SCIENCE**

The Rehabilitation Science Graduate Program offers two post-professional programs: a PhD and a Master’s degree. PhD graduates will be experts in rehabilitation science, advance rehabilitation research and transfer new knowledge into practice and policy. Within the Master’s degree there is a thesis option and a course based option. The thesis option offers an opportunity to assume leadership positions in the rehabilitation community and contribute to rehabilitation science research. The course based option is designed for practicing health professionals who want advanced knowledge and opportunity to upgrade their qualifications to take on advanced practice and management roles.

## **MD/PHD**

The Faculty of Health Sciences introduced an MD/PhD Program in September 2007, which is designed to increase communication between basic scientists and healthcare providers/clinicians. The Program will seek to train individuals as clinician scientists who will pursue research as a major priority. The integrated format of the Program will require students to complete both the MD curriculum (to be eligible for MD residency programs), and the PhD requirements in order to be eligible for academic placements across institutions. Up



to 3 applicants of high academic excellence will be admitted on a yearly basis into the Faculty of Health Sciences MD/PhD program. PhD studies in this Program are available in Medical Sciences or Biochemistry & Biomedical Sciences and, as of September 2011, Health Research Methodology, Neuroscience and Biomedical Engineering.

## **CLINICIAN INVESTIGATOR PROGRAM (CIP)**

The Clinician Investigator Program is a Royal College of Physicians and Surgeons of Canada Program with the goal of training clinician investigators. Trainees are physicians who are in, or have recently completed, a Royal College of Physicians and Surgeons accredited Clinical Residency Program and are also enrolled in a Faculty of Health Sciences Graduate Program. The Clinician Investigator Program supplements the research training provided by the Graduate Programs through monthly academic sessions, presented by established Clinician Investigators, that focus on topics of particular relevance to clinicians who plan to spend a large proportion of their time (e.g. 50 -75%) doing research. McMaster's Clinician Investigator Program, which is one of the largest in Canada, currently has twelve trainees. The trainees have a broad range of clinical training (e.g. Surgery, Psychiatry; Internal Medicine; Oncology; Pediatrics) and are enrolled in a number of Graduate Programs (e.g. Health Research Methodology; Medical Sciences; Biomedical Engineering).

## **OCCUPATIONAL THERAPY**

The Master of Science program in Occupational Therapy is a two year course-based Master's degree. Our goal is to prepare occupational therapists that possess the requisite knowledge, skills, and professional behaviours to practice as entry-level practitioners in a complete range of institutional and community settings in either urban or rural locations throughout Canada or the international community. Graduates will be prepared to function as independent practitioners, as members of interdisciplinary teams, as critical consumers of research, as agents of change, as leaders in their profession, and as lifelong self-directed learners.

## **PHYSIOTHERAPY**

The Masters in Physiotherapy Program is a full time two-year program in which problem-based, small group, self-directed learning is integrated with academic and clinical education. Students are prepared to practice in a variety of roles and diverse practice environments by drawing on the basic sciences as well as the social and behavioural sciences in order to understand the underlying principles of physiotherapy. On completion of the program, students will have developed knowledge, skills, and professional behaviours that prepare them for mindful, ethical practice and apply their knowledge and skills in an evidence-based way to clients, patients, systems and organizations.

## **BIOMEDICAL ENGINEERING**

McMaster University's Faculties of Engineering and Health Sciences have been brought together to create a unique research and training program under the umbrella of the School of Biomedical Engineering (SMBE). Improved healthcare and outcomes grounded in bioengineering require new approaches emphasizing integration and collaboration among traditional research areas. The School provides a unique collaborative environment that leverages our existing expertise in medical sciences and engineering, and that links current and emerging areas of molecular, medical and bioengineering research.

## **eHEALTH**

The MSc eHealth degree is truly interdisciplinary and based on a partnership among the Faculties of Health Sciences (Clinical Epidemiology and Biostatistics Department), Engineering (Computing and Software Department) and Business (Information Systems area in the DeGroote School of Business). The objective of the program is to produce Masters level graduates with high quality training and experience in the broad interdisciplinary area that spans eHealth. The program of study emphasizes industry relevant academic research and development. Students are on campus for three semesters taking courses and being involved in a research project and then they move to a paid, 8-month internship experience. Both sets of training provide them with unique expertise in enabling technologies that will contribute to advances in healthcare, especially at the system level. The need for eHealth graduates is strong, estimated at between 6000 and 12,000 new graduates in the next five years.

## **GLOBAL HEALTH**

This new and innovative Graduate Program in Global Health is an interdisciplinary, cross-cultural and interprofessional MSc degree program. The program strives for synergy in global health, integrating education and research from the Faculty of Health Sciences, Faculty of Social Sciences and DeGroote School of Business. It is designed to prepare students for the global workforce providing a solid foundation in global health issues, web-based learning and experience in low-and middle-income countries (LMIC). The goal of this program is to ensure students will be well equipped for potential advanced academic study or for careers with high level positions in international health and development agencies (e.g. WHO, IMF, UN), with private sector firms such as pharmaceutical companies, with government agencies (e.g. Ministry of Health), non-government agencies (e.g. Oxfam) and other potential employers.

## **HEALTH MANAGEMENT**

The Master of Health Management (MHM) is intended to provide regulated health professionals with a combination of core management skills (accounting, finance, marketing, human resource management etc.) and a broad understanding of the Canadian health care policy development and service delivery environments (health system design, health policy analysis, and evidence based decision-making). This interdisciplinary program is designed specifically for health professionals who are currently employed in a clinical and/or management capacity in any health care sector in Canada or internationally. Students will gain the knowledge, skills and abilities necessary to excel as a middle or senior manager within both the public and private spheres of Canada's health care sector.

## **HEALTH POLICY**

McMaster University's Ph.D. in Health Policy prepares intellectual leaders in the field of health policy. Our interdisciplinary program is unique in Canada and draws outstanding and committed students from diverse graduate training backgrounds, including interdisciplinary health fields, social sciences disciplines, and professional programs. The curriculum provides theory and empirical methods for framing, investigating, and answering crucial questions about health policy. Students receive general training across three field areas, and specialize in one of: Health Economics; Political Studies; Social Organization. Over 20 faculty supervisors in the Health Policy PhD Program hold appointments in departments across the University, including Clinical Epidemiology & Biostatistics, Health Aging & Society, Economics, Political Science and others. Graduates are equally well prepared for leadership positions in government, consulting, non-governmental organizations, or private industry.

## **NEUROSCIENCE**

There are more than 70 faculty members from across the campus who have collaborated on the development of McMaster's Neuroscience Graduate Program - a program designed to breakthrough those conventional boundaries that inhibit leading-edge, interdisciplinary research and study. The Neuroscience program covers the broadest spectrum of neuroscience: cellular and molecular; clinical and health; cognitive; computational; and systems and behavioural. MINDS (McMaster Integrative Neuroscience Discovery and Study) connects students with an internationally recognized faculty of researchers and scholars, working within a closely knit, resource-rich research environment. Current research projects within the faculty are aimed at improving human health and discovery in areas such as neural development, behavioural genetics, perception, pain, motor learning, vision, hearing, cancer, Alzheimer's, autism, Parkinson's, depression, dementia, anxiety, and addiction

# A Special Thank You to our Judges, Selection Committee Members, and Volunteers

Fazila Aloweni  
Kjetil Ask  
Afia Azizurrehman  
Karen Beattie  
Kathy Bennett  
Dan Beriault  
Aakash Bhargava  
Russell Bishop  
Louise Bordeleau  
Tracy Chew  
Brian Coombes  
Alan Cooper  
Kelly Dore  
Naomi Fink  
Jane Foster  
Vickie Galea  
Deda Gillespie  
Alba Guarné  
Brian Haynes  
Alison Holloway  
Mark Inman  
Bonny Jung  
Pete Kavsak  
Janice Kim  
Danielle Levac  
Vanessa Lobo  
Nathan Magarvey  
Jim Mahony  
Branavan Manoranjan  
Peter Margetts  
Cameron McAlpine

Margaret McKinnon  
David Meyre  
Ram Mishra  
Sohail Mulla  
Fred Ofosu  
D'Andra Parker  
Randy Peterson  
Vivek Philip  
Jenny Ploeg  
Patricia Power  
Janet Pritchard  
Hafsa Qureshi  
Patangi Rangachari  
Pia Reece  
Maria Restivo  
Carl Richards  
Lisa Saldanha  
Jon Schertzer  
Holger Schünemann  
Bill Sheffield  
Jennifer Skelly  
Deborah Sloboda  
Denis Snider  
Mary Sourial  
Maulik Thaker  
Nancy Wilczynski

and to the HSGSF  
and FHSPDA  
and HS Library

# 2012 Research Plenary

## **AWARDS RECEPTION**

*Jan and Mien Heersink Reading Pavilion (Health Sciences Library)*

**WEDNESDAY, MAY 16<sup>th</sup>, 2012**

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4:00pm

**WELCOME**

Dr. Catherine Hayward,  
*Associate Dean of Graduate Studies (Health Sciences)*

Dr. Susan Denburg,  
*Associate Vice-President, Academic,  
Faculty of Health Sciences*

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4:15pm

Announcement and Awarding of 2012 FHS Research Plenary Awards