

# Parkwood Institute Research

## The PIR Newsletter

### *A message from the Interim Chairs . . .*

*Greetings,*

Many of you have inquired into the recruitment of the Ivey Chair; we'd like to advise that the advertisement for this position will be posted shortly through Western Communications. Furthermore, we'd like to encourage all of our researchers to give a thought to potential candidates and to encourage suitable individuals to come forward and apply for the position. If you do not know the individuals personally, please identify them to one of the three of us. Our experience has been that successful recruitment in filling similar positions has often been through personal contact.

We have organized a PIR Program Educational Session for the morning of Friday, April 22<sup>nd</sup>, 2016 in the Auditorium of the Mental Health Care Building. This session has been developed to provide an opportunity for research groups to become more familiar with the following research themes: a) Cognitive Vitality & Brain Health, b) Mental Health Care, and c) Mobility & Activity; to provide a brief overview of their current research and future plans. We have repeatedly noted that even researchers, who work in close physical proximity, sometimes do not know what their colleagues are doing. Hopefully, this session will facilitate introductions to new researchers and facilitate some future collaboration. For more information, the PIR Program Half-Day Event Flyer, at the end of this issue, will provide details as to how you can register for this event.

Finally, we are aware of anxieties amongst some PIR staff regarding changes that are happening. We appreciate that change can cause anxiety, but know that worries are often exacerbated by misunderstanding. Please do not hesitate to contact any of the three of us. As previously noted, our offices and email boxes are open to your input or inquiries.

#### **Inside this Issue –**

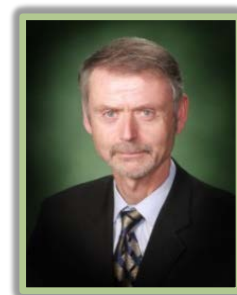
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Dr. Tim Doherty



Dr. Michael Borrie



Dr. Dick O'Reilly



## COMMUNICATION UPDATES. . .

### REDCap

Looking for a robust platform for storing and managing your research data? Check out Redcap!

- At Lawson, our researchers conduct cutting-edge research, while at the same time face the challenges of research data management and available funding. To address this, Lawson is now providing the **REDCap** platform to Lawson researchers, for REB and Lawson approved studies, **at no cost**. **REDCap** is a **R**esearch **E**lectronic **D**ata **C**apture web-based tool for creating and managing online database applications and surveys. Hosted at the hospitals' data center, Lawson Research Informatics administrates this secure platform to meet diverse research needs of the Lawson community.
- **REDCap** is a user-friendly and secure electronic data capture tool designed to build flexible web-based project interface for your research studies, that allows you to:
  - Safely capture and efficiently manage data collection
  - Schedule study events and subject appointments
  - Design and conduct online surveys
  - Generate customized reports
- **REDCap** provides:
  - high usability and quick project turn-around
  - control over your data quality and integrity
  - access to multiple team members, and regulatory compliance

**REDCap** is essentially for rapid implementation and utilizes secure web-authentication from your browser. No extra software is required. You don't have to purchase a web URL or a Secure Socket Layer Certificate. You don't have to wait for these configurations to take effect; everything can be instantaneous, once it is fully functional and approved. For more information, please visit:

<https://intra.lawsonresearch.ca/conducting-research/redcap>

### Canada Post mail forwarding to Parkwood Institute ends June 11, 2016

- To avoid any lost mail, please ensure all of your external contacts are notified of the Parkwood Institute address: **550 Wellington Road, London ON, N6C 0A7 prior to June**. Otherwise, all mail with the incorrect address will be returned to sender.
- The Canada Post mail forward service for both 850 Highbury Avenue (formerly Regional Mental Health Care London), and 801 Commissioners Road East (formerly Parkwood Hospital) addresses will end June 11, 2016.




### Tag line for "St. Josephs Health Care London"


- The Hospital and Lawson Communications have advised that the former corporate tag line that included the comma **after** "Care" and **before** "London" should now be removed.
- Please be sure all communications and templates using this tag line are corrected.


## “Welcome” New Research Personnel ~


We would like to extend a special welcome to our new research personnel, who have joined the Parkwood Institute Research (PIR) program over these past few months:

- ❖ **Ashrafunissa Janmohammad** - In February, Ashrafunissa (Ashraf) Janmohammad joined Dr. Keast's Wound Care Research Team as a Research Coordinator. Previous to this, Ashraf was associated with Victoria Hospital in the Pediatric Gastroenterology and Neurology Department. Ashraf has a Master's in Public Health in Health Resource Management and a Masters in Epidemiology. An international Physician, Ashraf has worked in the displaced Afghani transit camps to control cholera, typhoid, measles, mumps and meningitis; during this time Ashraf is also proud to have reduced the Afghani Infant Mortality rate from 200 to 40 per 1000 live births in the year 2000. In October 2001, she moved to South Carolina and worked as an Administrator and Research Coordinator for the Cancer Care Institute of Carolina until moving to Canada in June 2006. In her free time, Ashraf works in a volunteer capacity as a First Aider of Mental Health Care and Educator at the Aga Khan Bait ul-Ilm.

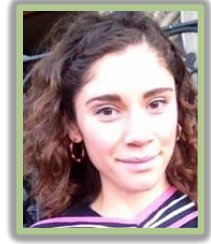

- ❖ **Wendy Blunt** - Wendy joined Dr. Petrella's team, as a Research Associate, in January. She completed her undergraduate degree at Western University in Health Sciences in 2013 and her Master of Public Health degree at the University of Waterloo in summer of 2015. Her interests include public health policy, program evaluation, and health promotion. Wendy is currently assisting with the PHAC HealthSteps™ project and reviewing the current literature on chronic disease management.


- ❖ **Federico Pieruccini Faria** - Federico has recently begun a two year post-doctoral fellowship in Medicine at the Gait & Brain Lab under the supervision of Dr. Montero-Odasso; the title of his research is *“Are falls in older adults with Mild Cognitive Impairment Provoked by Motor Planning Deficits? A Motor Imagery and Functional Magnetic Resonance Imaging Study.”* Federico holds a Major in Physical Education and a Master's in Kinesiology/Movement neuroscience (from the University of Sao Paulo State-Brazil). Federico also has a PhD in Psychology /Cognitive Neuroscience from Wilfrid Laurier University. Since his Master's, he has studied the influence of Parkinson's disease on the ability of older individuals to walk with obstacles on the floor. His studies have demonstrated that the ability to avoid obstacles in individuals with Parkinson's disease can be severely affected by specific cognitive problems caused by this disease. His current research topic is in understanding the influence of Mild Cognitive Impairment (a pre-condition to dementia) on underlying mechanisms of walking control and obstacle avoidance in older adults.


- ❖ **Melissa Hay** - Melissa joined the Care of Older Adults research group in January 2016 and is a student in the combined MPT/PhD program at Western University. Once her training is completed, Melissa will have earned a research-based doctoral degree in addition to the professional qualifications to practice as a registered Physiotherapist. With expertise in qualitative methods, she will be developing a grounded theory that focuses on understanding bladder management from a nursing perspective. The grounded theory will be based on one-on-one interviews with nurses working on the Palliative Care Unit at Parkwood Institute Main Building.



- ❖ **Samantha Jeske** - Samantha is the newest member of Dr. Wolfe's Self-management App development Research Team. Samantha is a recent Exercise Science MSc. graduate from the University of Toronto with expertise in physical activity counselling and, evaluating the implementation of a video-conference-delivered peer support program for adults with spinal cord injury. As a Research Coordinator in Dr. Wolfe's lab, Samantha is dedicated to promoting the principles of behaviour change and implementation science throughout the development process of two self-management apps for the spinal cord injury and acquired brain injury populations, respectively.



## NEW ENDEAVOURS. . .

- ❖ **Ian Holloway** - Ian and his wife will be taking on a new adventure in Halifax, Nova Scotia soon. Although Ian's professional scientific training was in developmental psychology and cognitive neuroscience, Ian felt compelled to explore research that was more directly applicable to individuals' lives, which lead him to work with Dr. Keast for the past 2 1/2 years. Interacting with clinical trial patients, during this time, has inspired Ian to train as a nurse practitioner at Dalhousie University. The Wound Care Group would like to acknowledge the work of Dr. Ian Holloway over the past two and a half years and wish him well in his new endeavours.



## NOTABLE ACCOMPLISHMENTS. . .

- ❖ **David Keast** - In December 2015, David was awarded Lifetime Member status at the College of Family and Physicians of Canada. A native of London, Ontario, David graduated from the University of Western Ontario with a Master's in Chemistry, and taught highschool for 11 years before entering Queens University to study medicine, graduating in 1985; He completed a residency in family practice at the University of Western Ontario. In addition to a community family practice, he is the Medical Director of the Outpatient Chronic Wound Management Clinic at St. Joseph's Parkwood Hospital, London. Dr. Keast is Clinical Adjunct Professor of Family Medicine at the University of Western Ontario and an Associate Scientist and Centre Director of the Aging Rehabilitation and Geriatric Care Research Centre at Lawson Health Research Institute. Congratulations David!



## LAWSON'S NEW WEB SITE...

As Lawson's most widely accessible communication vehicle, the new public website will increase awareness and understanding of who Lawson is as a whole - what we do and why it's important. The website highlights our research, scientists and capabilities, as well as the relationship between them.

We can now be proud of a dynamic and credible web presence that will better reflect Lawson's leading reputation and help us leverage ongoing research, advocacy, partnership and business opportunities. Visit Lawson's new website at [www.lawsonresearch.ca](http://www.lawsonresearch.ca).

## GRANTS & RESEARCH FUNDING. . .



**Principal Investigator:** Craven B, Gagnon D (Co-Leaders)

**Co-Investigators:** Wolfe D et al

**Study Title:** ONF-REPAR PHASE III: Rehabilitation-based research and knowledge translation activities to modify health risks for individuals living with chronic spinal cord injury

**Agency:** Ontario Neurotrauma Foundation (ONF), le Réseau provincial de recherche en adaptation-réadaptation (REPAR)

**Year:** 2016

**Amount:** \$60,000

**Principal Investigator:** Morrow S

**Co-Investigators:** Aviv R, Fisk J, Smyth P, Yeung M, He W

**Study Title:** A double-blind placebo controlled study of mixed-amphetamine salts, extended release (Adderall XR) for cognitive impairment in MS

**Agency:** MS Society of Canada

**Year:** 2016-2018

**Amount:** \$200,325

**Principal Investigator:** Morrow S

**Co-Investigators:** Orenczuk S

**Study Title:** Attention/working memory rehabilitation in Multiple Sclerosis: A pilot project using Cogmed working memory training

**Agency:** Cognitive Vitality and Brain Health Seed Funding

**Year:** 2015-2017

**Amount:** \$24,995

**Principal Investigator:** Sharma V

**Co-Investigators:** Khan M, Anderson K, Bureau Y

**Study Title:** Adjunctive use of celecoxib in the treatment of bipolar postpartum depression: a randomized, double-blind, placebo-controlled trial

**Agency:** The Stanley Medical Research Institute

**Year:** 2016-2018

**Amount:** \$207,199

**Principal Investigator:** Sharma V

**Study Title:** Mood disorders in pregnancy and the postpartum period: course of illness and obstetrical outcome

**Agency:** Sunovion

**Year:** 2016-2018

**Amount:** \$20,000

**Principal Investigator:** Teasell R

**Co-Investigators:** Bayley M, Marshall S, Cullen N.

**Study Title:** The ERABI: A research synthesis of interventions for moderate to severe acquired (traumatic) brain injuries.

**Agency:** Ontario Neurotrauma Foundation

**Year:** 2015-2017

**Amount:** \$100,000

**Principal Investigator:** Teasell R

**Co-Investigators:** Eng J, Miller W, Wolfe D, Kwon B, Hsieh J, Townson A, Connolly S, Noonan V, Loh E

**Study Title:** Spinal cord injury review evidence.

**Agency:** Ontario Neurotrauma Foundation

**Year:** 2015-2016

**Amount:** \$174,000

**Principal Investigator:** Teasell R

**Co-Investigator:** Viana R

**Study Title:** Continuing Stroke recovery through rehabilitation in the community

**Agency:** AHSC AFP Innovation Fund Project – INN16-007

**Year:** 2016-2018

**Amount:** \$81,000

## PRESENTATIONS & INVITED LECTURES. . .

### DECEMBER

Crilly R

*Osteoporosis update, some issues and controversies.* Specialized Geriatric Services Interdisciplinary Grand Rounds. London, ON

Gutmanis, I

*Findings from the geriatric cooperative evaluation: 2015.* Elgin Geriatric Cooperative Meeting. St. Thomas, ON

### JANUARY

Montero-Odasso, M

*Frailty as an entity to understand the variability of aging.* Family Medicine Academic Half-Day Teaching Session. Western University. London, ON

### FEBRUARY

Petrella R

*Hockey Fans In Training (Hockey FIT) – A novel intervention for men at risk for chronic disease.* Department of Family Medicine Grand Rounds, Western University. London, ON

Teasell R

*Stroke recovery and rehabilitation.* Department of Medicine Grand Rounds, University of Manitoba. Winnipeg, MB

Teasell R

*What's new in stroke rehabilitation.* Department of Physical Medicine and Rehabilitation, University of Manitoba. Winnipeg, MB

Teasell R, Mehta S

*Psychological inflexibility, perfectionism and anxiety as risk factors for chronic pain disability.* Physical Medicine and Rehabilitation Grand Rounds, Western University. London, ON



## PUBLICATIONS. . .

### Peer-Reviewed Articles:

- Allen L McIntyre A, Janzen S, Richardson M, Meyer M, Ure D, Teasell R  
Community Stroke Rehabilitation: How do rural residents fare compared with their urban counterparts? *Canadian Journal of Neurological Sciences* 2016; 43(1):98-104
- Burhan A, Anazodo U, Chung JK, Arena A, Graff-Guerrero A, and Mitchell  
The effect of task-irrelevant fearful-face distractor on working memory processing in mild cognitive impairment versus healthy controls: An exploratory fMRI study in female participants. *Behavioural Neurology*, vol. 2016, Article ID 1637392, 2016. doi: 10.1155/2016/1637392
- Burhan, A, Marlatt, N, Palaniyappan, L, Anazodo, U & Prato  
Role of hybrid brain imaging in neuropsychiatric disorders. *Diagnostics*, 5(4), 577-614
- Campbell N, Rice D, Friedman L, Speechley M, Teasell R.  
Screening for cognitive impairment after stroke: Application of a shortened Montreal cognitive assessment (MoCA). *Disability and Rehabilitation* 2016; 38(6):601-604.
- Gill D, Gregory M, Zou G, Liu-Ambrose T, Shigematsu R, Hachinski V, Fitzgerald C, Petrella R  
The healthy mind, healthy mobility trial: A novel exercise program for older adults. *Med Sci Sports Exerc* 2016 Feb; 48(2): 297-306.
- Gill D, Gregory M, Liu-Ambrose T, Shigematsu R, Zou G, Shellington E, Stuckey M, Owen A, Shoemaker K, Hachinski V, Petrella R  
Group-based exercise and cognitive-physical training in older adults with self-reported cognitive complaints: The multiple-modality, mind-motor (M4) study protocol. *BMC Geriatrics* 2016 Jan; 16: 17.
- Gregory M Gill D Zou G, Liu-Ambrose T, Shigematsu R, Fitzgerald C, Hachinski V, Shoemaker K, Petrella R  
Group-based exercise combined with dual-task training improves gait but not vascular health in active older adults without dementia. *Arch Gerontol Geriatr* 2016 Mar-Apr; 63: 18-27.
- Gutmanis, I, Speziale J, Van Bussel L, Girard J, Hillier L, Simpson K  
The South West Local Health Integration Network behavioural supports Ontario experience. *Healthcare Quarterly*, 18 Suppl:50-6.
- Hanna J, Feinstein A, Morrow S  
The Association of Pathological Laughing and Crying and Cognitive Impairment in Multiple Sclerosis. *Journal of the Neurological Sciences*, 2016; 361:200-203
- Heard C, Scott J, Yeo S  
Walking the labyrinth: Considering mental health consumer experience, meaning making, and the illumination of the sacred in a forensic mental health setting. *Journal of Pastoral Care & Counseling*, 69(4), 240-250. doi: 10.1177/1542305015616102
- Lee J, Walus A, Billing R, Hillier L  
The role of distributed education in recruitment and retention of family physicians. *Postgraduate Medical Journal*. Online ahead of print
- Lubitz R, Lee J, Hillier L  
Residents' perceptions of an integrated longitudinal curriculum: A qualitative study. *Canadian Medical Education Journal*, 6(2), e29-40.

- McIntyre A, Campbell N, Vermeer J, Mays R, Janzen S, Teasell R  
Methodological quality of motor intervention randomized controlled trials in stroke rehabilitation. *Journal of Stroke and Cerebrovascular Disease* 2016; 25(2):248-253.
- Mehta S, McIntyre A, Janzen S, Loh E, Teasell R  
A systematic review of pharmacological treatments of pain after spinal cord injury: An update. *Archives Physical Medicine and Rehabilitation* 2016 Jan 12 [Epub ahead of print].
- Meyer M, Teasell R, Thind A, Koval J, Speechey M  
A synthesis of peer-reviewed literature on team-coordinated and delivered early supported discharge after stroke. *Canadian Journal of Neurological Sciences* 2016; Jan 8: 1-7 [Epub ahead of print].
- Morrow S, Rosehart H.  
Effects of single dose mixed amphetamine salts - extended release on processing speed in multiple sclerosis: a double blind placebo controlled study. *Psychopharmacology*, 2015; 232(23):4253-4259
- Morrow S, Rosehart H, Pantazopoulos K  
Anxiety and Depressive Symptoms Are Associated With Worse Performance on Objective Cognitive Tests in MS. *The Journal of Neuropsychiatry and Clinical Neurosciences*, 2015; appineuropsych15070167, , DOI: 10.1176/appi.neuropsych.15070167.
- Muir-Hunter S, Graham L, Montero Odasso M.  
Reliability of the Berg Balance Scale as a clinical measure of balance in community-dwelling older adults with mild to moderate Alzheimer Disease: A pilot study. *Physiother Can.* 2015 Aug; 67(3):255-62. doi: 10.3138/ptc.2014-32
- Rice D, Mehta S, Pope JE, Harth M, Shapiro A, Teasell R  
Dispositional affect in unique subgroups of Patients with Rheumatoid Arthritis. *Journal of Pain Research and Management* vol. 2016, Article ID 1024985, 9 pages, 2016. doi:10.1155/2016/1024985.
- Rice D, Mehta S, Shapiro A, Pope J, Harth M, Morley-Forster P, Sequeira K, Teasell R  
Psychological distress in outpatients assessed for chronic pain compared to those with rheumatoid arthritis clinic. *Journal of Pain Research and Management* vol. 2016, Article ID 7071907, 7 pages, 2016. doi:10.1155/2016/7071907.
- Richardson M, Campbell N, Allen L, Meyer M, Teasell R  
The Stroke Impact Scale: Psychometric performance, summary scores and usefulness of a quality of life measure in a community based stroke rehabilitation setting. *Disability and Rehabilitation* 2015; Oct 30(6): 1-6 [Epub ahead of print].
- Salter K, McClure J, Foley N, Sequeira K, Teasell R  
Pharmacotherapy for depression post traumatic brain injury: A meta-analysis. *Journal of Head Trauma Rehab* 2015; Oct 16 [Epub ahead of print].
- Sharma V, Khan M, Sommerdyk C  
Quetiapine in the acute treatment of bipolar postpartum depression: A chart review. *J Clin Psychopharmacol.* 2015 Dec; 35(6):733-5
- Vermeer J, Rice D, McIntyre A, Viana R, Macaluso S, Teasell R  
Correlates of depressive symptoms in individuals attending outpatient stroke clinics. *Disability and Rehabilitation* 2016 Feb 17: 1-7. [Epub ahead of print].



**Books:**

Hussein N, Teasell R.

General Concepts: Therapies for rehabilitation and recovery. In: *Ischemic Stroke Therapeutics: A Comprehensive Guide*, Editors: Tanya Turan, Bruce Ovibigele, Springer Science, 2016, p. 195-201.

**Letters to the Editor:**

Muir-Hunter S, Montero Odasso M.

Gait Cost of Using a Mobility Aid in Older Adults with Alzheimer's Disease. *J Am Geriatr Soc.* 2016 Feb; 64(2):437-8. doi: 10.1111/jgs.13973.

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## LAWSON ADMINISTRATIVE UPDATES...

### LAWSON HUMAN RESOURCES:

**Space & Hiring ~**

If you are submitting an Employment Action Form (EAF) to hire a new staff member, please ensure you have workspace that can be assigned. LHSC, currently, will not process an EAF for new staff without identifying the space assignment, and St. Joseph's will be following suit. Space is at a premium within the hospitals and there is no vacant space. Please direct any questions to:

[lawsonresearchpersonnel@lawsonresearch.com](mailto:lawsonresearchpersonnel@lawsonresearch.com)

### LAWSON HEALTH AND SAFETY:

**BAPA/Biosafety ~**

Legislation regarding controlled biohazardous research changed on Dec. 1, 2015 and will have an impact on controlled research within Lawson. Because of the legislation, as of Jan 8th, 2016, Western's Biological Agent Permit Applications (BAPAs) are no longer being accepted. Lawson researchers will now require approval to conduct biohazardous research through a site-specific biohazardous agent permit process ('LBAPP') that will be reviewed and approved by Lawson's new biosafety committee.

Please direct any questions to the Research Safety Analyst/BioSafety Officer, Rebecca McGirr or visit the Lawson web site.

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## CALENDAR OF EVENTS. . .

**Parkwood Institute Research Half-Day Event:**

**"PIR: An Overview of Current & Future Research"**

**April 22, 2016**

❖ **London, Ontario**

Details: <https://www.eventbrite.com/e/pir-program-an-overview-of-current-and-future-research-registration-21279897747>

**30th Annual Geriatric Medicine Refresher Day**

**May 4, 2016**

❖ **London, Ontario**

Details: <http://www.sjhc.london.on.ca/grd>

**The 27th Annual Conference and Meeting of the Canadian Bioethics Society, "Achieving Better Health: The Role of Bioethics Education, Engagement and Exploration"**

**May 25-28, 2016**

❖ Toronto, Ontario

Details: <https://www.bioethics.ca/ethics/conference.html>

**Alzheimer's Association International Conference**

**July 24-28, 2016**

❖ Toronto, Ontario

Details: <https://www.alz.org/aaic/about/practical-information.asp>

**The Canadian Association on Gerontology**

**"CAG2016: Fostering Innovation in Research on Aging"**

**October 20-22, 2016**

❖ Montreal, Quebec

Details: <http://cag2016.ca/>

# Parkwood Institute Research (PIR) Program

Half-Day Event

April 22, 2016

8:30 a.m. to 12:30 p.m.



## PIR: An overview of Current and Future Research

Mental Health Care Building,  
Main Auditorium,  
Room F2-235

This forum is an opportunity for you to meet and interact among fellow PIR Program researchers; a venue to showcase your work and gain visibility. Please join us for a morning of presentations and a conversation on current and future research at Parkwood Institute Research  
Plan to attend!



## AGENDA

- 8:30 a.m. WELCOME & OPENING REMARKS –**  
Roy Butler, Vice President  
Patient Care and Quality, St. Joseph's Health Care London
- 8:40 a.m. MENTAL HEALTH CARE –** Richard O'Reilly  
Mental Health Care presentations
- 9:45 a.m. COGNITIVE VITALITY & BRAIN HEALTH –** Michael Borrie  
Cognitive Vitality & Brain Health presentations
- 11:05 a.m. ~ Break ~**
- 11:15 a.m. MOBILITY & ACTIVITY –** Tim Doherty  
Mobility & Activity presentations
- 12:20 p.m. CLOSING REMARKS –**  
David Hill, Scientific Director  
Lawson Health Research Institute,  
Integrated Vice President,  
Research for London Health Sciences Centre and St. Joseph's  
Health Care London

### Your hosts for this event:

Interim Chairs: Drs. Tim Doherty, Michael Borrie & Richard O'Reilly



*~ Refreshments and snacks will be served ~*

**Please register for this free event at:**

<https://www.eventbrite.com/e/pir-program-an-overview-of-current-and-future-research-registration-21279897747>

For any questions or concerns please contact: PIR\_info@sjhc.london.on.ca