



Department of Psychiatry

ANNUAL REPORT 2011-2012

ANNUAL REPORT
July 1, 2011 - June 30, 2012

Department of Psychiatry
Schulich School of Medicine & Dentistry
Western University

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Department of Psychiatry – Year-end Report



Dr. Paul Links

Professor and Chair
Department of Psychiatry
Schulich School of Medicine &
Dentistry, Western University
and Chief of Psychiatry
London Health Sciences Centre and
St. Joseph's Health Care London

The Department of Psychiatry had a transition in leadership as I assumed the Chair/Chief role beginning on January 2, 2012. Over the last year, the Department has undergone significant change serving to build on the strengths established under Dr. Fisman's leadership. In my year-end report, I want to discuss the three areas of change: 1) the changes to the Departmental executive structure; 2) our Strategic Planning process and 3) changes to key leadership roles.

Executive Structure

Based on the external review completed in 2010, changes to the executive structure of the Department of Psychiatry had been recommended. In January 2012, I established an implementation committee to formulate plans for a new departmental executive committee and departmental organizational structure. The implementation committee included: Dr. Sarah Jarmain, Deborah Lucas, Dr. Ross Norman and Dr. Jeff Reiss.

The implementation committee established the following principles that directed their decision-making about changes to the executive committee and departmental organizational structure:

- Provide greater clarity and transparency around decision-making,
- Create a decision making body,
- Enhance the academic commitment and mission,
- Improve the engagement of Windsor and South Western Ontario,
- Contribute to enrichment of psychiatric care and service delivery through academic ventures,
- Achieve greater alignment of funding decisions with Departmental strategic priorities.

The new organizational structure is outlined in the Organizational Chart for the Department of Psychiatry (soon to be available on the website) and includes the development of a smaller Departmental Executive Committee, a new Advisory Committee and the new role of Vice Chair of the Department of Psychiatry. The Executive Committee

meets twice per month and the minutes of the committee are available for Faculty on the OWL website (https://oldowl.uwo.ca/webct/entryPage.dowebct?insId=5116011&glcid=URN%3AX-WEBCT-VISTA-V1%3A8f2fefab-ac1d-3921-012d-73abf656f884&insName=University+of+Western+Ontario&actionType=)). Our new Advisory Committee meets monthly and the minutes of this committee are also available to Faculty to review. We plan to seek feedback on the new executive structure in the Fall of 2013 and will provide an opportunity for all Faculty to input into this process.

The Strategic Planning

The Strategic Planning Session for the Department of Psychiatry took place on Friday, June 22, 2012 at the Lamplighter Inn in London. Approximately 50 members of the Department attended the day and there was a lot lively and open discussion. Jane Parkinson Senior Facilitator, Learning & Development – Western University joined Paul Links, Chair/Chief in the facilitation of the retreat which successfully engaged Faculty in the development of our strategic plan. Dean Michael Strong of the Schulich School of Medicine & Dentistry (SSMD) spoke to the group about the Strategic Vision for SSMD and affirmed our efforts to align with the broader strategic directions and goals of SSMD. Participants asked many good questions and identified many relevant issues.

The retreat confirmed the Department's support for the three proposed strategic directions:

1. Enhance Community Collaboration
2. Be a leader in education and distance education, fully engaging Windsor & SWOMEN
3. Enhance clinical research programs directly impacting patient care across the life course.

The report on the Department of Psychiatry Retreat was reviewed with the Executive and Advisory Committees of the Department and circulated to all Faculty members. From our committee discussions, we have decided that **working groups** should be formed for each of the strategic directions. The goal of the working groups will be to develop an action plan, time line and deliverables for each of the strategic areas. We are asking the working groups to meet over the next 6-9 months and report back to the Executive and Advisory Committees in the late spring of 2013. Faculty members will be requested to participate in the working groups so that broad representation is ensured. The leaders for the three strategic working groups are:

- **Dr. Paul Links will lead the working group on “Enhance Community Collaboration.”**
- **Dr. Jeff Reiss will lead the working group on “Be a leader in education and distance education, fully engaging Windsor & SWOMEN.”**
- **Dr. Marnin Heisel will lead the working group on “Enhance clinical research programs directly impacting patient care across the life course.”**

Leadership Roles

Dr. Jeff Reiss assumed the position of Vice Chair in the Department of Psychiatry, Schulich School of Medicine and Dentistry, UWO for a two-year renewable term beginning on October 15th, 2012. Dr. Reiss' responsibilities related to this role include chairing and leading the Departmental Working Group on Tithe Review and being the Departmental lead on distant education activities with Windsor and SWOMEN. A long-term goal of this assignment is to develop a freestanding psychiatric residency program with our Windsor and SWOMEN partners. The role of the Vice Chair will be regularly reviewed and may be modified as new priorities and issues arise for the Department.

Dr. Marnin Heisel was chosen as our next Director of Research for the Department of Psychiatry and his 5-year renewable term began November 1st, 2012. Dr. Heisel will continue with our current research activities such as the annual Academic Research Day, our monthly research rounds, the annual report of research activities and the annual seed funding competitions.

Dr. Patty Hall has begun as the first Program Director for our Child and Adolescent Psychiatry Subspecialty Program, Schulich School of Medicine, Western University. We received a letter of approval from the Royal College in January 2012. Our program was one of the first programs in the country to be accredited. At the present time, Western is one of 5 programs accredited out of the 16 psychiatry programs in the nation who are applying for accreditation in Child and Adolescent Psychiatry. Our residency program in Child and Adolescent Psychiatry has a Residency Program Committee that has representation for each training site and one elected resident. Meetings are currently quarterly, but will change to every 6 weeks once our first resident starts in July 2013.

The members of the Residency Program Committee:

Dr. Patricia Hall, Program Director

Dr. Sandra Fisman, Interim Chair, Child and Adolescent Psychiatry

Dr. Leanna Isserlin, LHSC representative, Curriculum

Dr. Sohail Makhdoom, CPRI representative

Dr. Pamela Horne, Vanier Children's Services representative

Dr. Ben Loveday, RMHC-L representative

Dr. Sarah Armstrong, Evaluations

TBA- Windsor/SWOMEN representative

Dr. Joy Abramson, PGY3, resident representative, CAP COPE representative

The Coming Year

Although the next year will require us to cope with the current fiscal realities, there are many opportunities ahead for the Department. The Division of Geriatric Psychiatry is planning to re-submit an application to the Royal College of Physicians and Surgeons of Canada via the Postgraduate office, Schulich School of Medicine & Dentistry for two geriatric psychiatry subspecialty-training positions. We are planning to re-submit our application in May 2013 and we are optimistic that this application will be successful and will contribute to the increased capacity of Geriatric Psychiatry academic and service

delivery, necessary with the aging demographic. Dr. Akshya Vasudev will take the lead in preparing our resubmission.

Enhancing our research productivity will continue to be an important objective over the next year. Currently, we have many important research initiatives underway so I will only be able to acknowledge a few in my report. Further details are available in the enclosed report from the Director of Research. This year, Dr. Peter Williamson and his team were awarded a \$739,755 CIHR grant, entitled "Candidate Neuronal Circuits in Schizophrenia". (Williamson, P.C. - Principal Investigator; Co-investigators - Manchanda, R.; Menon, R.; Neufeld, R.; Osuch, E.; Pavlosky, W.; Rajakumar, N. and Théberge, J.). Also, Dr. Elizabeth Osuch was awarded a \$100,000 grant to improve diagnosis of bipolar disorder in youth from Pfizer Canada's first-ever Psychiatry Research Awards Program. Dr. Ruth Lanius, Harris-Woodman Chair has international research collaborations in Holland, Germany, Boston and California with top researchers in the field of Post-Traumatic Stress Disorder. Dr. Ruth Lanius has been able to recruit a number of Masters and Doctoral students from Germany.

Under the leadership Cheryl Forchuk, Professor and Associate Director of Nursing Research at the Arthur Labatt Family School of Nursing, Faculty of Health Sciences, with a cross appointment to the Department of Psychiatry, Schulich School of Medicine & Dentistry, University of Western Ontario, we are developing "high tech" solutions to facilitate the recovery for people with lived experience of mental illness. This research is a collaboration with industry, Telus Communications and Research in Motion, Canada Infoway, University of Sherbrooke and government funding agencies.

The Department is actively seeking to increase our role in Western Graduate educational programs. Meetings with Dr. M. Poulter have started to ensure active participation of our Department in the development of the Schulich School of Medicine & Dentistry Neurosciences Program. The Department is committed to participation in the development of the Masters in Public Health, School of Public Health through Department of Psychiatry's history of experience with community collaborations, suicide-related research and interest in Aboriginal Mental Health. Drs. Links, Norman and Srivastava have been interacting with Dr. Abdur Rab Interim Director for the MPH program to ensure that mental health is well integrated into the Masters program.

Finally, to ensure the financial vitality of the Department over the next 3-5 years, we have undertaken a review of our Departmental title. The **Departmental Working Group on Title Review** has been given a mandate to examine models and approaches for increasing the Departmental title to at least maintain our current research activity and to avoid anticipated deficits. From the committee's work, a final report and recommendations will be provided to the Department Chair, the Executive and the Financial Management Committee (FMC) by early in the Spring of 2013.

I want to thank Deborah Lucas and all of the administrative staff for working so diligently to achieve the many changes outlined above. Also, I want to thank the members of our Executive and Advisory Committees and all the other faculty members who have

demonstrated with their actions and their energy their dedication to our Department. Together we are achieving our vision of making the Department a true centre of excellence for psychiatric care and discovery.

Paul Links, MD, FRCP(C)

Department of Psychiatry – Full Time Clinical Academics – June 30, 2012

Child & Adolescent Psychiatry Division	Developmental Disabilities Division	Forensic Psychiatry Division	General Adult Psychiatry Division	Geriatric Psychiatry Division	Neuropsychiatry Division	Social & Rural Psychiatry Division
Armstrong, Sarah Fisman, Sandra Haensel, Heidi Hall, Patty Horne, Pamela Isserlin, Leanna Kizilbash, Kamran Loveday, Ben Makhdoom, Sohail Ninan, Ajit Rizvi, Naveed Steele, Margaret	Nicholson, Robert Rao, Jay	Beach, Craig Mejia, Jose	Barr, Jennifer Chamberlaine, Charles Chandarana, Praful Ganjavi, Hooman Garcia, Carla Harricharan, Rajendra Haslam, David Hertzman, Daniel Hocke, Volker Kerfoot, Karin Laporte, Noel Lefcoe, Daniel Manchanda, Rahul Northcott, Sandra Owen, Richard Reiss, Jeffrey Richard, Julie Ross, James Sanjeev, D. Tidd, Christopher Vasudev, Kamini Watling, Mark	Doering, Michele Oates, Jennifer Park, Hae-Ryun Van Bussel, Lisa Vasudev, Akshya	Chiu, Simon Lanius, Ruth Osuch, Elizabeth Williamson, Peter	Campbell, Robbie Cortese, Leonard Dua, Varinder Duggal, Vikas Goldman, David Guaiana, Giuseppe Jarmain, Sarah McCarthy, Gregory Mehta, Viraj Nowicki, Aleksandra O'Reilly, Richard Rybak, Yuri Sharma, Verinder Srivastava, Amresh Subramanian, Priya Surti, Bhadresh Takhar, Jatinder Varapravan, Sreelatha
12	2	2	22	5	4	18

Assistant Professor	33
Associate Professor	24
Full Professor	9
TOTAL	66

Paul Links – Chair/Chief

Department of Psychiatry – Part Time Faculty – June 30, 2012

Child & Adolescent Division	Developmental Disabilities Division	Forensic Psychiatry Division	General Adult Psychiatry Division	Geriatric Psychiatry Division	Neuropsychiatry Division	Social & Rural Psychiatry Division
Ahluwalia, Simran Barry, Raya Beal, Tim Braimoh, Gani Bresett, Alana Broadbent, Debra Brown, Alan Cane, Jessica Carter, Jeff Chovaz, Cathy Collins, Kerry DeOliveira, C.A. Dourova, Nevena Eichstedt, Julie Evans, Barrie Gardiner, Joan Heintzman, John Helmi, Sanaa Hurley, Dermot Jacques, Heather Jeanson, Julie Jerome, Laurence Lazosky, Andrea Lee, Joanne McIntosh, William McKinlay, Duncan Mirc, Ericka Mirza, Rida Ouellette, Don Pariser, Jill Phoenix, Liz Presse, Monique Rabenstein, S. Rodenhurst, Mary Short, Judith Sigurdson, Craig Stare, Liga Stewart, Shannon Stovel, Jessica Thorpe, Marilyn VanMeyel, Rita Workman, Allan Zayed, Richard	Gillis, Greg LaRose, Louise	Komer, William Litman, Larry Norris, Phillip	Brownstone, Desi Campbell, Neil Carr, Jason Egan, Ray Francis, Judith Friesen, Walter Gupta, Madhulika Hanna, Ed Hjertaas, Trevor Jacob-Goldman, Therese Kligman, David Lamoure, Joel LeMarquand, David Maxfield, Louise Mendonca, James Molnar, Laura Nicholson, Ian O'Flanagan, Denis Pelz, Margaret Richardson, Donald Ritchie, Leslie Sheskin, Rena Silcox, JoAnn Sussman, Sam Truant, Greg Wardrop, Nancy Weisz, Gary	Doherty, Jennifer Fisman, Michael Fogarty, Jennifer LeClair, Ken O'Regan, Tony Trenker, David	Fernando, MDL Gray, John Hopper, James McKinnon, Margaret	Bush, Haydn Cernovsky, Zack Corring, Deborah Eastwood, Diane Hand, Karen Khan, Mustaq Leavey, JoAnn MacLeod, Valerie Malhotra, Ladi Plowright, Linda Singh, Abhay Thomas, Ann

43

2

3

27

6

4

12

TOTAL - 97

Psychiatry Administrative Staff for 2011-2012 Academic Year

Deborah Lucas	Administrative Officer
Irene May	Administrative Assistant to Chair of Department of Psychiatry, Schulich School of Medicine & Dentistry, Western University /Chief of Psychiatry, London Health Sciences Centre and St. Joseph's Health Care London
Bonnie Ideson	Faculty Human Resource Consultant
Bernice James	Financial Officer
Suzena Mendes	Administrative Assistant, AFP, CME/CPD, and general Department support
Rodger Moran	Acuity STAR Assistant
Melanie VandenBorre	Administrative Assistant, Undergraduate Education
Eva Adams	Program Coordinator, Postgraduate Education
Carissa Peterson	Administrative Assistant, CME/CPD
Debra Martin	Administrative Assistant , Division of Child and Adolescent Psychiatry, and Division of Geriatric Psychiatry
Hanna Siemiarczuk	Administrator, ECP, SWOMEN, Division of Social & Rural Psychiatry
Patti Giles	Secretary, ECP, SWOMEN, Division of Social & Rural Psychiatry
Maria Gitta	Coordinator, Developmental Disabilities Division
Colleen Chryssoulakis	Administrative Assistant, Developmental Disabilities Division
Beth LeCourtois	Administrative Assistant, Division of Forensic Psychiatry
Jacqueline DiMattia	Administrative Assistant, Research
Cathy Kramer/ Marilyn Hodgins	Administrative Assistant to Chair of General Adult Psychiatry and Site Chief, RMHC
Tracey Jansen	Administrative Assistant to Site Chief, RMHC
Tracy Henebry	Administrative Assistant to Chair/Chief, Child and Adolescent Psychiatry

Department of Psychiatry Annual Awards for the Academic Year 2011-2012

Senior Faculty Award	Dr. Sandra Fisman
UGE-Clerkship Supervisor of the Year Award – Local (May 31, 2011 – April 30, 2012)	Dr. Praful Chandarana
UGE-Clerkship Supervisor of the Year Award – Rural (May 31, 2011 – April 30, 2012)	Dr. Mirela Bucur
UGE-Clerkship Supervisor of the Year Award – Windsor (May 31, 2011 – April 30, 2012)	Dr. Giovanni Villella
UGE-Clerkship Seminar Leader of the Year Award (May 31, 2011 – April 30, 2012)	Dr. B. Zev Grynspan
UGE-Clerkship Resident Teaching Award (May 31, 2011-April 30, 2012)	Dr. Aziz Haque
Dr. Paul Patterson Resident Award (In Paul Patterson's memory to a Resident who has demonstrated enthusiasm and ability as an educator \$100.00)	Dr. Michelle Ngo
PGE-Junior Resident of the Year Award	Dr. Rachana Bodani
PGE-Senior Resident of the Year Award	Dr. Michelle Ngo
Best CME Presentation by a Junior Resident	Dr. Rebecca Tudhope
Best CME Presentation by a Senior Resident	Dr. Juliana Li
Best CME Presentation by Junior Faculty	Dr. Kamini Vasudev
Best CME Presentation by Senior Faculty	Dr. Sarah Jarmain
Diploma in Child and Adolescent Psychiatry	Dr. Michelle Ngo
Division of Child and Adolescent Psychiatry Award of Excellence in Postgraduate Teaching	Dr. Rob Nicolson
Division of Child and Adolescent Psychiatry Award of Excellence in Undergraduate Teaching	Dr. Ben Loveday
Division of General Adult Psychiatry-Clinician of the Year	Dr. Jennifer Barr
Division of Geriatric Psychiatry Excellence in Postgraduate Education	Dr. Helen (HaeRyun) Park
Dr. David Harris Award	Dr. Rachana Bodani
Division of Social and Rural Psychiatry-Faculty	Dr. Richard O'Reilly
Research Award	Dr. Paul Frewen
Over 25 Years of Service with Western University:	Dr. Bhadresh Surti and Colleen Chryssoulakis
Promotion to Associate Professor with Continuing Appointment (July 1, 2012)	Dr. Varinder Dua
Promotion to Full Professor (July 1, 2012)	Dr. Ruth Lanius

Division of Child and Adolescent Psychiatry



Dr. Sandra Fisman

Interim Chair

Division of Child and Adolescent Psychiatry

Department of Psychiatry

Schulich School of Medicine & Dentistry

Western University

Child and Adolescent Psychiatry has “come of age”, with the full recognition of the field as a psychiatry subspecialty by the Royal College of Physicians and Surgeons of Canada. This has been based on the recognition that a separate body of knowledge, skill set and expertise is required to practise as a Child and Adolescent Subspecialist. In addition, the Ontario Ministry of Health 10 Year Mental Health Strategy has identified the importance of early interventions and prevention and have determined initial implementation of the strategy by addressing regional gaps in service, especially at developmental transitions, for children and youth. These developments have been a backdrop to a busy and productive year for our Division.

In the course of the past year, we have had several important and positive leadership changes in the Department of Psychiatry and the faculty which have filtered into the Division of Child and Adolescent Psychiatry (DCAP). Dr. Paul Links was welcomed as the new Chair / Chief for Psychiatry in January 2012, succeeding myself. Dr. Margaret Steele assumed the role of Vice Dean of Hospital and Interfaculty Relations at Schulich School of Medicine & Dentistry in September 2011. To ensure a smooth transition at this important time, the membership of the DCAP endorsed my interim leadership for the Division in September 2011. It has been my pleasure to fully return to the world of Child and Adolescent Mental Health Care since January 2012, and to re-experience the joy and reward in working with children, youth, and their families, and with passionately devoted colleagues in the academic division, as well as with the community network of service providers for children and youth.

Dr. Margaret Steele left, in our hands, an outstanding Division that is a flagship academic division in Canada. The success of the DCAP is a tribute to the direction she set, but also to the ongoing efforts of the membership and leaders in the Division. Each of the leaders will report on their portfolios, but I would like to thank them individually for their tremendous contributions.

Dr. Patricia Hall has assumed the role of Program Director for Postgraduate Education in Child and Adolescent Psychiatry. She chairs the newly formed Resident Training Committee for Child and Adolescent Subspecialty training and she coordinates the separate core rotation in Child and Adolescent for our PGY-3 trainees. Our first subspecialty trainees will be accepted into the program in July 2013.

Dr. Sohail Makhdoom coordinates the Child and Adolescent training experience for paediatric residents.

Dr. Ben Loveday coordinates Undergraduate rotations for medical students. In the course of his parental leave this year, Dr. Ajit Ninan stepped seamlessly into this role. Dr. Ninan continues to coordinate elective experiences in Child and Adolescent Psychiatry.

Dr. Leanne Isserlin took over the PGY-1 and CARMs portfolio for the Department of Psychiatry in the fall of 2011.

The strength of these leaders is demonstrated by the increasing numbers of medical students from Schulich at Western and other universities requesting electives in Child and Adolescent Psychiatry and the establishment of a national reputation for delivery of excellent education in psychiatry.

Dr Ben Loveday:

Case Based Seminars

A number of allied health instructors were unable to continue in this role requiring several positions to be filled. A complete revamping of team members occurred with an attempt to have 3 members on each team (at minimum 2 members on a team). A request was made for each team to review the power point slides that are utilized in the seminars to ensure that the content was clinically relevant, current and appropriate for clerks. Any revisions were submitted for review and update on the Web CT site. All teams participated in this exercise.

I also arranged a timing change for the interviewing skills lecture from week 5 into the psychiatry clerkship orientation day, thereby opening up a seminar time in the Child Psychiatry Week 5. This opening was filled with a new seminar lecture focusing on Developmental Disabilities, with a team of 3 lecturing psychiatrists sharing this responsibility.

Clinical Experience - Selectives

Throughout this academic year, Child and Adolescent psychiatry has offered 2-week long selective experiences for clinical clerks in nine separate services. We supervised a total of 38 clinical clerks, providing exposure and involvement in psychiatric assessments, group/family sessions, interprofessional case conferences, and “bedside” teaching.

Active recruitment of new psychiatry staff and interprofessional staff to the team of clerkship supervisors has continued. The addition of new members to our teaching team has offset some of the interprofessional losses that were sustained by the team during the year.

Dr Ajit Ninan:

Elective Experiences

For the academic year 2011 to 2012, the Division of Child and Adolescent Psychiatry has continued to respond to a high degree of interest from medical students seeking elective experiences. We had a total of 13 elective rotations provided to medical students in settings including CPRI, Vanier Children Services and LHSC. Rotations were created to match the student's expressed interests within child and adolescent psychiatry. Medical students included those from Western University, Queen's and Ottawa as well as international medical schools. Electives were provided for between 2 to 4 weeks. We also provided 4 observerships for medical students during this time period as well. It is wonderful that interest in children's mental health and child/adolescent psychiatry remains high which has resulted from the excellent quality educational experiences that our division provides. Thank you.

Child and Adolescent Psychiatry Postgraduate Education

Dr. Patricia Hall:

Accomplishments:

I established and chaired a working group for postgraduate education in Child and Adolescent Psychiatry. The group met monthly in 2011 to work on an application to the Royal College for subspecialty accreditation. The application was submitted in October, 2011 and required clearly articulated goals for the residency program and the educational objectives of the residents; outline of the administrative structure; information about resources; and an organized program of rotations and other educational experiences, both mandatory and elective. The program developed specific objectives aligned with the OTR and STR for the subspecialty as written by members of the Royal College Specialty Committee. The curriculum is divided into 2 years, including PGY5 crossover with the general program. The program application received accreditation by the Royal College in January 2012. The Education group was "promoted" to an official Residency Training Committee and currently meets quarterly. The group will meet every 6 weeks once the first resident starts. I am now a Program Director and sit on the Royal College Special Committee and the CAP COPE.

I have had several meetings with the Postgraduate Dean in terms of accreditation and funding for the subspecialty program.

I coordinated the Child and Adolescent Psychiatry Lecture Modules for 2011-2012, and prepared the lecture schedule for the DCAP curriculum for 2012-2013 for PGY-3 residents.

I coordinated the clinical rotations of the PGY-3 rotations for the 2011-2012 year.

I met with Dr. Ngo PGY-5 to provide leadership and guidance to complete her Diploma in Child and Adolescent Psychiatry.

I met with PGY-3 residents to discuss rotations based on learning needs. I also met with the PGY-3 residents to discuss resident issues in DCAP.

I attended RTC meetings for the general program that occur monthly and I attended the Child and Adolescent Advisory board meetings quarterly.

I have updated the Resident Training Handbook in DCAP. I distributed the Family Therapy Training Manual. I have also updated the website for applications to the subspecialty.

I am a liaison between Child and Adolescent Psychiatrists and residents. I have been involved in providing advice to both faculty and residents on supervisory issues in CAP.

I liaise with the PGY-1 Coordinator for PGY-1 resident training experiences in DCAP.

I wrote the summary and objectives for CAP training for Accreditation of the general program.

Challenges:

I am now the program director for the subspecialty program. The coordinator position for the general program may need to be filled by another person.

Objectives for Upcoming Year:

Continue as Program Director of the Subspecialty CAP program. We need to continue to work on funding sources for the subspecialty program and ensuring adequate resources and very much appreciate the bridge funding that had been provided by Child and Adolescent Psychiatry for career training by MCYS through CPRI. I have already coordinated the 2012-2013 year for CAP training for general residents. I may need to start training other faculty to take over the coordinator position for 2013-2014. I will continue to discuss with leadership, the best approach to this.

Research in the Child and Adolescent Division

We have had a burst of significant research accomplishments under the leadership of Dr. Jeff Carter, research coordinator for the DCAP. Faculty have been successful in obtaining peer review grants and have published and presented their work at local and national conferences and to some extent internationally.

Dr. Jeff Carter:

Research:

The Research Coordinators group has continued to meet regularly. The chair, Dr. Jeff Carter, thanks Dr. Julie Eichstedt for her previous participation and welcomes Brenda Davidson as the new representative for LHSC. Other representatives are Drs. Carla Smith from Vanier and Shannon Stewart from CRPI. We are in the early stages of planning the Division's first Research Half-Day, anticipated for the fall of 2013. The emphasis may be on sharing preliminary findings and works in progress and on building connections within the

Division. The group has noted overlap across sites, such as suicidality and self-harm being studied at LHSC (with the guidance of Dr. Marnin Heisel) and CPRI (projects led by Dr. Stewart and C.A. Hamza); best practices for trauma at Vanier and trauma research at CPRI (projects led by Dr. Richard Zayed and Dr. Stewart); and control measures at Vanier and CPRI. Several members of the Division are participating in a study co-led by Dr. Graham Reid and Dr. Stewart regarding patterns of service use within children's mental health agencies. Other projects at CPRI include Dr. Ajit Ninan leading a study on the side effects of psychotropic medications, Philip Baiden leading a study on childhood abuse and cannabis use, and Dr. Jennifer Crotagino leading a study on outcomes among children and youth with dual diagnoses. Other projects at LHSC include Dr. Eichstedt leading a study regarding waiting times, and the Child and Youth Mental Health Project to improve knowledge and skills among family physicians, general practitioners, and paediatricians, led by Dr. Margaret Steele.

We have had many successful research presentations this year. In February, Dr. Michelle Ngo successfully defended her diploma dissertation, "Body weight as a prognostic factor for day hospital success in adolescents with anorexia nervosa." The Journal Club had a busy year. Dr. Stewart spoke on her work with InterRAI, an international consortium striving to promote evidence-based practice. Dr. Stewart is an Associate InterRAI Fellow and is the lead for developing several InterRAI child and youth measures. Centres across the province are currently participating in pilot-testing of a children's mental health measure. Liz Phoenix from LHSC presented on core beliefs and cognitive organization in depressed adolescents. Dr. Eichstedt presented on the development of a survey regarding how anxiety is managed at children's mental health centres across Ontario. From Vanier, Dr. Pamela Horne spoke on diagnosis in early years, and Dr. Jeff Carter presented on the results from standardized measures, and led a discussion on the new DSM-V criteria regarding trauma. Dr. Chris Watson presented on "Characteristics of psychiatric inpatients with a first admission for psychosis," and Chester Kam from CPRI presented on a predictive model of length of stay. Dr. Leanna Isserlin presented on the complex case rounds model.

Continuing Professional Development

Dr. Naveed Rizvi continues to coordinate a vibrant Continuing Professional Development Program and there are a plethora of local presentations by DCAP faculty, as well as increasing presentations regionally, provincially, nationally and internationally. He also coordinates the very successful Western Hub of the Ontario Child and Youth Telepsychiatry program (OCYTP) which had its 5th anniversary this year. The Hub hosts both direct clinical consultations and education to children, youth and care providers in rural, remote and underserved communities using teleconferencing technology and also supports knowledge transfer and community capacity building.

Dr. Naveed Rizvi:

With a focus on promoting evidence-based practices and inter-professional learning, the Division of Child and Adolescent Psychiatry continues to offer CPD activities, both at the Divisional and Departmental level.

During the year July 2011 - June 2012, the Division hosted the regular annual CPD events including the Semi-Annual Meeting in February 2012, the Annual Conference in April 2012, the Annual Meeting of the Division in May 2012 and the Annual CPD morning in June 2012, as well as the monthly Journal Club.

While encouraging and supporting the residents and faculty members to present at the Divisional CPD events, the Division also invites nationally and internationally renowned guest speakers with expertise in a variety of clinical and research areas of interest.

Community partners including CPRI, RMHC-L, and the Children Mental Health Agencies associated with the Western Hub of the Ontario Child and Adolescent Telepsychiatry Program, have been regularly provided with access to CPD events via videoconferencing.

The CPD events were well attended and well received by faculty members, allied health professionals, residents, medical and allied health profession students, as well as community partners.

During the year July 2011 to June 2012 the Division of Child and Adolescent Psychiatry organized the following CPD events:

Diploma Dissertation presentation by Child and Adolescent Psychiatry Graduate on February 16, 2012. Dr. Michelle Ngo presented her research paper on "Body weight as a prognostic factor for day hospital success in adolescents with anorexia nervosa".

Semi Annual Meeting of the Division of Child and Adolescent Psychiatry on February 16, 2012. Dr. Ajit Ninan presented a talk on "Using the Psychotropic Medication Monitoring Checklist in Residential Care – a pilot project".

Annual Conference of the Division of Child and Adolescent Psychiatry, on April 20, 2012. This year's topic was "Transcultural Child and Adolescent Psychiatry". The speakers were Dr. Cécile Rousseau, Dr. Mohammed Baobaid, and Dr. Bhooma Bhayana.

Annual Meeting of the Division of Child and Adolescent Psychiatry on May 17, 2012. Dr. Paul Links presented on "Borderline Personality Disorder in Adolescents". This interesting talk sparked lively discussion and some practical direction in the treatment of this group of young people.

Annual CPD Morning of the Division of Child and Adolescent Psychiatry on June 14, 2012. This year's topic was "Children presenting with suspiciousness, odd beliefs, irrational behaviour and social withdrawal – Assessment, Differential Diagnosis and Management". Dr. Joy Abramson presented a case and Dr. Rob Nicolson was the faculty speaker.

Monthly Child and Adolescent Psychiatry Residents Rounds on the 3rd Thursday of the month. Division closely collaborates with the Department of Psychiatry CPD

Committee to organize Child and Adolescent Psychiatry Resident Rounds on a monthly basis, held the third Thursday of each month, except March, June, July and August. Psychiatry residents presented a wide variety of child and adolescent topics.

Monthly Child and Adolescent Psychiatry Journal Club continues on the 2nd Wednesday of alternating months.

Upcoming events and future directions:

A new CPD event entitled “Complex Case Rounds” will be starting in September 2012, alternating with Journal Club on the 2nd Wednesday of the month.

The Division Semi-Annual Meeting will be in February 2013, the Annual Conference on April 26, 2013, the Division Annual Meeting in May 2013, and the Annual CPD Morning will be in June 2013. Stay tuned for details.

With input from the faculty members, the Division will be planning a Review Course for the Child and Adolescent Psychiatry Subspecialty examination. Details to follow.

I would like to express appreciation and thanks to Dr. Sandra Fisman, Interim Chair of the Division of Child and Adolescent Psychiatry, the CPD Committee of the Department of Psychiatry, and faculty members for their ongoing support and advice. I would also like to thank Debra Martin and Suzy Mendes for their patience, commitment and efforts in organizing the CPD events.

Western Hub, Ontario Child and Youth Telepsychiatry Program

To address mental health needs of children and youths living in remote communities of South Western Ontario, the “Western Hub” of the Ontario Child and Youth Telepsychiatry Program (OCYTP), continue to provide clinical, program and professional to professional consultations as well as educational and professional development activities to the designated sites. These sites include:

1. Trellis Mental Health and Developmental services, Guelph and Fergus
2. Huron Perth Centre for Children and Youth, Stratford and Clinton
3. Oxford-Elgin Child & Youth Centre, Woodstock and St Thomas
4. Woodview Children's Centre, Brantford
5. Haldimand Norfolk R.E.A.C.H.
6. St Clair Child and Youth Services, Pt. Edward
7. Bluewater Youth Centre, Goderich

During the year 2011-2012, the Western Hub provided 227 Clinical Consultations and 10 Program Consultations to the designated mental health agencies. Western Hub consultants are members of the Division of Child and Adolescent Psychiatry offering a wide range of expertise for Telepsychiatry consultations.

To support knowledge transfer and capacity building, the Western Hub regularly provides educational sessions and professional development opportunities to designated agencies as well as participating in the provincial educational seminars of the OCYTP to sites across the province. These sessions include 11 resident rounds and journal club through the Division of Child and Adolescent Psychiatry, Schulich School of Medicine & Dentistry, Western University.

To develop knowledge of and experience in addressing the mental health care needs of children and youth living in the remote communities, Western Hub continue to offers training opportunity to psychiatry residents by inviting them to conduct Telepsychiatry Consultation under the supervision of consultant psychiatrists.

In collaboration with the Central and Eastern hubs, Western Hub participated in the Telepsychiatry Clinical Practicum at the combined annual meeting of the Canadian Academy of Child and Adolescent Psychiatry and the American Academy of Child and Adolescent Psychiatry in October 2012. The Telepsychiatry practicum exemplified Ontario as a leader in the field of Telepsychiatry and was very well attended. Participants from Canada and other countries rated the event as an excellent learning opportunity with the hands-on experience of using Video conferencing for clinical, education and program consultations.

By surveys, questionnaires and regular meetings with the community partners at designated sites, the Western Hub team continues to maintain collaborative relationships with designated sites and to monitor performance indicators.

OCYTP is now fully integrated with Ontario Telemedicine Network (OTN). This has markedly improved the audio / video quality of videoconferencing and has improved availability of consultants. During the next year, we are expecting to increase the number of Telepsychiatry Services to our designated sites as well as to further expand the referral base to more diverse community partners.

The Western Hub team would like to express sincere appreciation and thanks to the consultant psychiatrists and to Western Hub partners and designated sites for their support, collaboration and commitment.

Clinical Service

In terms of clinical service, this past year has witnessed the last phases of acute care hospital restructuring at London Health Sciences Centre. For Child and Adolescent Psychiatry this has translated into a transition to all services covering the 16 and 17 year old age group, with a goal of including inpatient, day treatment, outpatient, crisis emergency, eating disorders, and consultation liaison by the end of 2012. With the expansion in beds from 11 to 16 (including 4 eating disorder beds), as well as ambulatory, consultation-liaison and crisis-emergency services we were able to recruit Dr. Javeed Sukhera from Rochester, New York. Dr. Sukhera will lead the development of the transition services for 16 and 17 year olds and their linkage with Adult services.

Over this past year we have had a focus on Women's Mental Health and through a process of Appreciative Inquiry, hospital, Schulich and community partners have created a vision and a model for Prenatal Mental Health Care that will be implemented as a pilot in the Women's Program at LHSC, in collaboration with our community partners. Dr. Heidi Haensel and Sarah Parkinson, Advanced Practice Nurse, have led the development of the ideal model of care and will continue to lead the pilot implementation. Through the support of the Children's Health Foundation and a generous community donor, a fully financed clinical research fellowship in Maternal Child Health and Addictions is available for July 1, 2013.

With the affirmation of clinical program leads, our physicians continue to work with our administrative partners to continually improve the integration, linkage and continuity of our clinical programs for children and adolescents in London. Dr. Kamran Kizilbash, Inpatient lead, Dr. Patty Hall, Outpatient lead, Dr. Javeed Sukhera, Transition Youth lead, Dr. Heidi Haensel, Consultation-Liaison lead, Dr. Ajit Ninan as Medical Director at CPRI, and Dr. Sandra Fisman as overall Physician Leader for LHSC and RMHC Adolescent Unit all contribute to the success of this network. It is the collegiality of the Child and Adolescent Psychiatrists that is a key success factor in this collaboration.

The DCAP has a voice in a number of local and provincial initiatives; these include the MCYS sponsored Complex Care Committee at CPRI, the Provincial Maternal Child Specialized Pediatric Advisory Committee, and the Provincial Management Committee (PMC) for the Phoenix Project. The latter is sponsored by the Association of Medical Services (AMS) which created Educating Physicians for a Future Ontario (EPFO) that became the CANMEDS roles that are so familiar to all of us, and now part of our education lexicon. AMS seeks, through the PMC, to recalibrate the humanity in Medicine with the science, and deal with the "Hidden Curriculum" through support of AMS fellows and Compassionate Person Centred Research Projects. This represents an exciting potential for our department and our division.

Finally, I would like to thank, in addition to all of those individual contributions mentioned in the report, the members of the DCAP Advisory Committee. These include our academic leaders Dr. Jeff Carter, Dr. Patricia Hall, Dr. Ben Loveday and Dr. Naveed Rizvi; our School Board representatives Dr. Barrie Evans (TVDSB) and Susan Ralyea (London District Catholic School Board), and our previous community representative Dr. Bruce Connell. Dr. Connell is much appreciated for his many years of service to the DCAP and we wish him well in his retirement. Dr. Susan Rodger, Director for School-Based Mental Health, joined us in August 2012 as our community representative and we warmly welcome her. In the fall Dr. Mary Broga, who is Vice President of Patient Services at Hotel Dieu, Windsor and psychologist at Maryvale will join us as our Windsor representative and we look forward to enhancing our mutual relationship between London and the South West region.

Last, but certainly not least, thank you to Tracy Henebry for her support to myself as Interim Chair for the DCAP and Physician Leader for Child and Adolescent Clinical Services at RMHC and LHSC, and to Debra Martin for her support of the DCAP through the year; and

her support for the annual symposium, the Semi-Annual and Annual Meetings, and the DCAP Newsletter, among the multitude of other things.

Sandra Fisman, MD, FRCPC

Developmental Disabilities Division and the Autism Centre of Excellence



Dr. Rob Nicolson

Chair, Developmental Disabilities Division
and Endowed Chair, Autism Centre of Excellence
Department of Psychiatry
Schulich School of Medicine & Dentistry
Western University

History

The Developmental Disabilities Division (DDD) was established within The University of Western Ontario's (UWO) Department of Psychiatry in 2003, with primary goals of attracting academic leadership in developmental or intellectual disabilities, to provide a "home" in order to develop and maintain a critical mass of individuals working within the field, and to facilitate the continued development of education and research in developmental disabilities under a single umbrella.

Division Leadership

Dr. Rob Nicolson is the Chair of the DDD. Regarding the division's educational goals, the responsibilities have been divided among a triumvirate, with Dr. Nicolson taking the undergraduate education lead, Dr. Jay Rao the postgraduate education lead and Dr. Greg Gillis the lead for community and continuing medical education.

Staff consists of Maria Gitta, Division Coordinator, and Betsy Schaefer, web support.

The Advisory Board consists of members of community service agencies, college and university representatives, school board representatives, and representatives of the Ontario Ministry of Community and Social Services. The board meets twice a year and advises the leadership of the division on potential areas of relevance to the DDD. Dr. Paul Links chairs this board.

Education

Education of physicians regarding developmental disabilities remains the division's greatest priority. We continue to enhance the educational opportunities for physicians and allied professionals in developmental disabilities. The educational opportunities at all three levels (undergraduate and graduate medical trainees and continuing medical education) are unique across Canada and certainly places the DDD on the vanguard of medical education at a national level regarding developmental disabilities.

Drs. Nicolson, Sohail Makhdoom, Linda Plowright and Simran Ahluwalia at the Child and Parent Resource Institute (CPRI) provide educational and training activities at the facility. A lecture by Dr. Nicolson to second year medical students on developmental disabilities continues to be well-received. Drs. Nicolson and Rao also continue to teach elective students from UWO, Canadian and international universities.

In order to foster an interest in patients with developmental disabilities, the division continues to offer the ‘The **Dr. Greta Toni Swart Essay Award in IDD,**’ an essay award annually in the amount of \$1000 to a student in any year of the Doctor of Medicine (MD) program or a graduate medical program or a resident program at UWO who submits the best essay on developmental disabilities.

Drs. Nicolson and Rao provide lectures and seminars for psychiatry and family medicine residents. The number of psychiatry residents requesting rotations in developmental disabilities continues to increase, a strong indicator of the quality of the teaching provided and the increasing recognition of the importance of developmental disabilities in psychiatric practice. Additionally, pediatric residents are expected to spend several days seeing patients with developmental disabilities during their rotations at CPRI.

The DDD is responsible each September for the Department of Psychiatry Continuing Medical Education Rounds. In September of 2011, the guest presenter was Marshalyn Yeargin-Allsopp, M.D., a medical epidemiologist and Chief, of the Developmental Disabilities Branch; National Center on Birth Defects and Developmental Disabilities, Centers for Disease Control and Prevention (CDC). Dr. Yeargin-Allsopp has presented internationally and published extensively on the epidemiology of developmental disabilities, including autism and cerebral palsy. Her presentation focused on the current state of research on autism prevalence and diagnosis from a global, cross-cultural perspective.

Dr. Yeargin-Allsopp also discussed the latest research about what autism is, how the definition has changed over time, presented current autism prevalence estimates, described what is known about who is at risk, and emphasized the importance of early identification and diagnosis. The presentation highlighted the CDC’s activities in the area of autism and present a public health framework which is used to increase awareness of autism spectrum disorders, monitor its occurrence, and identify modifiable risk factors.

Additionally, the DDD organizes an annual continuing medical education day on developmental disabilities for practicing community psychiatrists, pediatricians, and family doctors, nurses and other health providers. This annual refresher day in developmental disabilities is one – if not the only one -- of very few such events held for physicians nationally.

In addition, Drs. Nicolson, Rao, and Gillis are each involved in providing presentations to professional, community and advocacy groups, with the total audience for these presentations being well over 1,000 people once again during the past academic year. The DDD, in ongoing partnership with the UWO Autism Centre of Excellence (ACE), continues

providing lectures for parents and community agencies on developmental disabilities. And over the last few years, we have arranged for some of the outside speakers to provide lectures to community members in addition to the academic lectures.

The DDD and ACE presented monthly education and service rounds at CPRI. These consist of a case presentation and discussion of research literature relevant to the case. Attendance has been good and the feedback has been positive.

Maria Gitta and Dr. Greg Gillis continued their provincial involvement in the ongoing development of the Developmental Disabilities Primary Care Initiative along with educators from the other five provincial medical schools and other health educators.

The Division continues to clearly meet the goal of increased education in developmental disabilities for professionals and advocates, and this strength has been recognized by individuals and organizations nationally. Clearly, in the nine years since the inception of the Division, the DDD has become a national leader in education on developmental disabilities for physicians. In the coming year, we will continue to develop new avenues of medical education and make greater use of electronic media and the internet in order to expand our educational scope. As a step towards this goal, we continue to videotape the presentations by the invited speakers and put these videos on the website.

Research

As education, research, and clinical service in developmental disabilities are all integrally related, with each informing the other, a strong academic and research focus for the DDD is essential. The bimonthly research rounds which were held in past years have been replaced by the monthly education and service rounds described above. Attendance at these newer rounds has been greater and has also had a greater diversity in terms of the professional background of the attendees. The emphasis on the relationship between research and clinical service has provided for better opportunities for discussion at each presentation. Importantly, students in a variety of medical and professional disciplines have been active participants in these rounds.

The Department of Psychiatry Annual Report Research section lists research information on developmental disabilities and autism.

Summary

Interest in developmental disabilities, both academically and educationally, continues to grow at The University of Western Ontario. In partnership with the Autism Centre of Excellence at the University of Western Ontario (also part of the Department of Psychiatry), we expect to continue to enhance the visibility and importance of intellectual and developmental disabilities education and research at UWO and within Ontario and to solidify the role of the Division of Developmental Disabilities as a national leader in education and research.

Rob Nicolson, MD

Division of Forensic Psychiatry



Dr. Craig Beach

Physician Leader, Forensic Psychiatry Program, RMHC
Chair, Division of Forensic Psychiatry &
Assistant Professor, Department of Psychiatry
Schulich School of Medicine & Dentistry
Western University

I would like to thank everyone in the Forensic Psychiatry Division and Department of Psychiatry, Western University for such a warm welcome, and for your assistance in navigating a new system and a new city. I am really enjoying my job and my life in London.

We have had a very productive academic year in the Forensic Psychiatry Division. We are very busy planning for our up-coming move to a new 89-bed, state-of-the-art forensic psychiatric facility in St. Thomas in 2013 (see link to the virtual tour of Regional Mental Health Care's [RMHC] two new mental health facilities: <http://www.sjhc.london.on.ca/newmentalhealthfacilities>). The excitement about our move is palpable. The new space will allow us to better assist clients in their recovery and will also improve work life for our staff.

Academically, we have just launched our new home page for the Division of Forensic Psychiatry, Western University (see link: <http://www.psychiatry.med.uwo.ca/987651234forenA.asp>). Among other areas, our website describes our clinical services, education and training opportunities, and up-coming events. I would like to extend a special thanks to Ms. Janice Vandevoreen, Forensic Psychiatry Program Director, St. Joseph's Health Care London, RMHC St. Thomas, for her assistance with the website content and to Mr. Sibi Samivel for his assistance with the website design.

This is a particularly exciting time to work in forensic psychiatry at Western University, and our goal is to be the leader in forensic mental health science in Southwestern Ontario and beyond. To that end, we recently updated and finalized our strategic plan. Examples of the types of initiatives we are currently prioritizing include:

1. implementing evidence-based risk assessment instruments and risk management instruments;
2. offering and researching mental health interventions that maximize each client's recovery;
3. building and strengthening our academic training programs; and

4. increasing our academic and community partnerships.

As next year will be our last year in our existing facility in St. Thomas, we were delighted to host RMHC's 13th Annual Research Half Day on May 16, 2012. The event was well attended and the research posters and presentations covered a myriad of interesting topics in psychiatry. A highlight included the 8th Annual Tony Cerenzia Research Lecture by Professor Sheilagh Hodgins, Institute of Psychiatry, who gave a very interesting and illuminating talk on Violence Among People with Psychosis: Epidemiology, Aetiology, and Treatment.

On June 28, 2012, we were very fortunate to have Dr. Jacqueline Duncan, RMHC's incoming Physician Leader, Psychosis Program, join us for a very inspiring talk on Understanding and Treating Metabolic Syndrome in Clients with a Serious Mental Illness. Congratulations Dr. Duncan on your new role, and we look forward to on-going collaboration with the Psychosis Program, RMHC.

Educationally, we have seen an increased interest in our training program, and we take pride in our commitment to providing trainees in all disciplines the best educational experience possible. To that end, we customize educational experiences of varying duration depending on a trainee's specific interests, education goals, and level of training. Some particular highlights of our educational opportunities are outlined here:

<http://www.psychiatry.med.uwo.ca/987651234forenC.asp>. We are very excited that forensic psychiatry is now a Royal College of Physician and Surgeons of Canada psychiatric sub-specialty, and we are in the beginning phases of working towards fellowship development and accreditation.

We are also actively involved in a number of clinical research projects, including an outcome study on adventure based counseling and another study analyzing relevant psychosocial factors among clients admitted to a forensic hospital. Further details on our current research projects are provided here: <http://www.psychiatry.med.uwo.ca/987651234forenRES.asp>

Finally, I would like to thank all members of the Forensic Psychiatry Division for their vision and hard work, and I look forward to another productive academic year.

Craig Beach, M.D., MSc., D.A.B.P.N.

Division of General Adult Psychiatry



Dr. Jeff Reiss

Chief, Department of Psychiatry, LHSC
Professor & Chair
Division of General Adult Psychiatry
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Overview

Primarily based out of the London Health Sciences Centre, our division (DGAP) is the academic home of acute care psychiatry, spanning the continuum of mental healthcare, as described later in this report, and the largest division in the department.

Entrusted to the DGAP is the responsibility to provide the core educational experiences required by medical students, psychiatry residents, as well as those from family medicine and other specialties, in addition to trainees in related health disciplines. As such, the division's influence extends beyond producing competent psychiatric generalists.

Again, we have had a very productive academic year. Much of the department's undergraduate, postgraduate, and continuing medical education/continuing professional development are delivered by DGAP faculty. The nationally acclaimed UWO Psychiatry Exam Preparation Course, organized by our Dr. Praful Chandarana, and taught by many divisional members, continued being a success. Dr. Chandarana is now developing a succession plan so that younger members can "carry the torch" into the future. Several DGAP members were also significantly involved with the planning of the successful Addiction Disorders Symposium, held at the Lamplighter Inn. Similarly, our research productivity has increased as can be attested to in the research section of this annual report. A major educational endeavour planned for the upcoming year involves working with SWOMEN/Windsor partners to foster undergraduate and continuing education/CPD, and the special project of developing a freestanding affiliated residency program in General Psychiatry.

On the clinical front, there have been many new initiatives. The new Ambulatory Care model was finalized with the launch in the summer 2012. A great deal of attention has been given to our P4R (Pay-for-Results) Emergency Department (ED) strategies, focusing on wait time reduction through the streamlining of the Mental Health ED processes and enhancing the diversion of the mental health population to the most appropriate care resources within or external to the ED. The long-awaited Adult Eating Disorders Program was initiated at the very end of the academic year (see detailed services section below).

Through funding obtained from Bell Canada, a 3-year Addiction Disorders grant has begun with additional services and clinical upgrading of LHSC staff through Addictions Services of Thames Valley, in order to better serve our patients with concurrent mental and addiction disorders. There were two other major funded initiatives that we worked on during the academic year, which were announced into the following academic year. Together with LHSC Child and Adolescent Program, we have received over a million dollars for each of these projects. With RBC support, we will create an At-Risk Centre to coordinate and develop services for new Canadians, with a focus on prevention and early intervention mental healthcare for children and families who have escaped from traumatic backgrounds. The LHSC Auxiliary has awarded us with a major grant to enable us to develop a Transition Age Project, which will focus on developing accessible, coordinated assessment and intervention tailored for people aged 16 to 25 years who have mental health difficulties.

Building on existing research strengths in clinical outcomes, program evaluation, smart health technologies, educational scholarship, and neuroimaging, the DGAP will endeavour to develop new clinical research programs in collaboration with other Divisions and Departments/Faculties. I'd like to specifically highlight a couple of such activities. With Lawson's, Dr. Cheryl Forchuk as project leader, and working with RMHC and community mental health agency partners, the Mental Health Engagement Network (MHEN) project was initiated. Funded by Canada Health Infoway in conjunction with TELUS, this supra-million dollar project will empower patients with mood or psychotic disorders with handheld phones for secure communication with their care providers, and online access to their personalized health record, complete with self-help and monitoring tools. Again partnering with RMHC in conjunction with over 10 other Ontario hospitals, our application for the Council of Academic Hospitals of Ontario (CAHO), Adopting Research to Improve Care (ARTIC) Program was the top-rated one of 35 submissions, and consequently one of the only three funded projects. We will receive funding in excess of a million dollars to study "Implementing the Transitional Discharge Model", as a putative means of supporting patients through the discharge from hospital process.

The following is an overview of the division's varied clinical programs along with individual goals for the next academic year written in conjunction with the respective medical leaders:

London Health Sciences Centre - Based Services

Centralized Emergency Psychiatry Service (CEPS)

Emergency assessments are conducted in the emergency room by a team consisting of psychiatrists, residents, and students, with nurse case managers. We work in collaboration with community partners including mental health agencies and family physicians in an effort to best serve our patients. Service Leader, Dr. Dan Lefcoe states, "The CEPS team moved even further into the front lines of the Emergency room this past year. Nurse Case Managers now conduct screening Psychiatric interviews on behalf of the ER Physicians, improving access and flow through the Emergency. We are fortunate to have a full time

CEPS Social Worker now, Jeanne Weber, enhancing assessment and brief interventions for Emergency patients.”

Consultation-Liaison Service

Consultation-Liaison Psychiatry is a specialized service that deals with the overlap of physical health and mental health care issues. The primary mandate is to provide timely psychiatric consultation to adult patients admitted to medical/surgical units at the University Hospital and Victoria Hospital sites. Accomplishments in the last year include: successfully working with Critical Care Colleagues to implement structured delirium screening in the ICU, regular formal teaching to ICU fellows and juniors on delirium, Mental Health Act education to non-psychiatric colleagues, enhanced educational opportunities for off-service residents and elective medical students through rotation development.

According to Service Leader, Dr. Jennifer Barr, goals for the upcoming year include: development of a Psychosomatic Medicine Continuing Professional Development module, working further with our Critical Care Colleagues at both an academic and clinical level to enhance the early recognition and management of ICU delirium including implementation of delirium management protocols, ongoing service focus on education of psychiatric residents, off-service residents, medical students, and our medical colleagues. Another important goal is to work with existing outpatient mental health resources to facilitate pathways to care for bedded medical and surgical patients. Consultation Liaison Psychiatry also looks forward to the return of Dr. Rebecca King from her CL fellowship and the incorporation of her specialized skill set into the further expansion of our service.

Eating Disorders Program

The Adult Eating Disorders Program just commenced serving its first patients at the very end of academic year reported on here. In the fall of 2012, Dr. Valerie Kaye is being recruited to take on the physician leadership of this program. The program is being developed to provide primarily ambulatory care, including a day treatment setting, although a residential treatment unit is envisioned as well, in addition to inpatient consultation-liaison support. The unit is also to become the regional hub for Eating Disorders, associated with outreach workers, OTN telehealth support, and other community linkages.

First Episode Mood and Anxiety Program (FEMAP)

FEMAP provides ambulatory psychiatric services for youth aged 16-26 experiencing the recent onset of mood and/or anxiety symptoms with or without a substance use problem; FEMAP also conducts clinical research on the same population. Due to resource limitations, there are exclusion criteria for youth with prolonged histories of psychiatric problems, primary substance abuse/dependence, and significant cognitive deficits.

FEMAP had a turnover of our receptionist and intake worker during early 2012. Since both these positions are temporary we were fortunate to have replaced them with two highly qualified individuals. We have been able to retain our previous intake social worker as a family therapist 1 day per week.

During the specified time frame, FEMAP clinicians conducted 2815 patient visits and FEMAP psychiatrists conducted 138 new intakes. This included the last 5 months when one of three psychiatrists was not taking new patients due to imminent departure. We completed the scanning of a study involving brain imaging in depression with and without marijuana use (74 participants) and a pilot study of functional network differences between unipolar and bipolar disorders (45 participants). The health service delivery implementation and evaluation study has continued to recruit, at over 450 participants by June. Several publications and/or abstracts were prepared, submitted and accepted during this time frame.

Physician Leader, Dr. Beth Osuch states that goals for July 2012 to June 2013 are to secure the essential roles of full-time reception and intake, two days per week for the addictions therapist, and one day per week for the family therapist. These personnel are crucial to the functioning of FEMAP to meet patients' needs. More publications on completed research will be submitted and research in brain imaging and service evaluation will continue.

General Adult Ambulatory Mental Health Services (GAAMHS)

The largest ambulatory service in the Division, GAAMHS provides a variety of outpatient based services for patients and their families in the London-Middlesex Country area. GAAMHS will continue its primary focus on access to treatment and flow of patients from the three primary areas of referral: inpatients, community, and the emergency department. Physician Leader, Dr. Richard Owen asserts that the service will try to prevent barriers to treatment by maintaining broad-based inclusion criteria. In addition to individual assessments and pharmacological treatment, group psychotherapy streams exist for CBT and DBT. GAAMHS also provides specified groups in a Track to Wellness format: Stabilization skills, Activation Skills and Managing Emotions Skills. This helps to further identify subsequent treatment streams patients may move on to as well as assist in transitioning patients from hospital. Additionally, we have an EMDR ready stream when this short term therapy is indicated. Our Depot Medication Clinic is now established with no readmissions of the patients in our clinic. ECT assessment and treatment are also provided. Ever dynamic, the service has now expanded to its full complement of psychiatrists welcoming Dr. Rebecca King in Consultation/Liaison and Dr. Valerie Kaye to the Eating Disorders team. We have also added an ongoing fellowship to our Program.

Inpatient Services

Crisis and short-term inpatient treatment for adults is the focus of this service of 74 beds located at the Victoria Hospital B-Tower Level 7. The inpatient service provides care to adults who present with mental health difficulties that embrace the entire spectrum of mental illness such as mood disorders, suicidal behaviour, anxiety disorders, schizophrenia and other psychotic disorders, mental disorders of aging, concurrent substance abuse problems, and acute symptoms of distress related to family or personal crisis. It is also the site where much of our department's educational and training activities take place.

During the year 2011 the process of implementing more therapeutic options was started. We have started skills training groups with support by OT and a motivational group for addictions with support from nursing management. During the academic year 2011/12 Dr.

Hooman Ganjavi, Dr. Karin Kerfoot and Dr. James Ross joined our inpatient consultant team.

The plan for the next year, according to Service Leader, Dr. Volker Hocke, will focus on extending therapeutic options, enhancing the team building, revisiting the documentation process and implement a structured approach to improve the physical health of the patients.

Prevention & Early Intervention Program for Psychoses (PEPP)

PEPP is a clinical academic program for individuals with first episode non-affective psychosis. The clinical framework of the program is structured around a modified assertive case management service in which the intensity of the treatment is guided by the patient's needs, stage of the illness and needs of the family. In this program, service, education, and research are integrated so that individuals seeking treatment would also benefit from the new knowledge that is being generated.

The much-anticipated move to Commissioners Road occurred in April 2011, but it took considerable time for staff and patients to adjust to the new surroundings. Dr. Julie Richard joined as a PEPP psychiatrist with an additional interest in adults with Pervasive Developmental Disorders. She also initiated a collaborative program with the inpatient child and adolescent psychiatry to provide consultation to Under 16 with a first episode psychosis. There was a new position and appointment of clozapine and injection nurse in PEPP.

PEPP remains actively involved with the Ontario Working Group for first episode psychosis. The program has also been building capacity for concurrent disorders. Cognitive remedial training programs for patients returning to school or going back to work have also been implemented. The first episode psychosis assessment and treatment program continues with the 2-year grant from AMOSO. Family workshops on psycho-education were held quarterly on weekends. Several presentations were made in schools/colleges on recognition and early intervention in first episode psychosis. PEPP won the Champion of Mental Health Award given by St. Joseph's Healthcare.

The Big Night was a successful event and raised approximately \$30,000 towards research at PEPP. Researchers within PEPP continue to contribute to the international literature on early intervention. During the 2011 to 2012 year they have published 5 papers and have another four in press. These papers include several articles reporting on five-year outcomes for clients of our program and their determinants; papers addressing the issue of the meaning of recovery from psychosis and predictors of such recovery and research on the stigma of mental illness. National granting agencies as well as a local foundation have provided funding for this work.

PEPP Physician Leader, Dr. Rahul Manchanda reports, "Over the course of the next year we anticipate publishing several further reports on our five year outcomes project and developing a protocol for a our next prospective study examining in more detail determinants of recovery from psychosis. In addition, in collaboration with colleagues in

the Psychology Department at Western we continue a program of research to better understand the stigma of mental illness and evaluate methods of reducing that stigma. We also continue to collaborate with other members of the Department of Psychiatry in research. For instance, during the past year we have collaborated with Dr. Kamini Vasudev on a study of genetic influences on the metabolic side effects of treatment with Clozapine.”

Traumatic Stress Service

For patients who have experienced acts of violence, emotional, physical and/or sexual abuse, severe neglect, catastrophic events such as motor vehicle accidents, natural disasters, or war-related trauma, a phase-oriented approach utilizing individual and group therapies, along with tailored pharmacotherapy is offered. Dr. Kamini Vasudev continues to provide medical/psychiatric support to the service.

A second area of service is our assessment and treatment unit affiliated with clients referred from the Workplace Safety and Insurance Board (WSIB). Strong links exist between the service and our neuroimaging research program in trauma.

Urgent Consultative Service

The mandate of the UCS is to provide a timely response to patients in need of urgent ambulatory mental health assessment whether referred by family physicians, the Emergency Departments at LHSC, and SJHC Urgent Care Clinic. Psychiatrists, Dr. Dan Lefcoe and Dr. Charlie Chamberlaine work together with nurse case managers and trainees, seeing all new referrals within 72 hours of notification.

According to Service Leader, Dr. Lefcoe, goals over the next year are “to further integrate Urgent assessments with the evolving General Adult Outpatient programs to improve efficiency and decrease wait times.”

St. Joseph’s Health Care - Based Services

Operational Stress Injury (OSI) Clinic

Located at the Parkwood Hospital site, the OSI Clinic is part of a national network of ten OSI outpatient clinics funded by Veterans Affairs Canada. The OSI clinic provides specialized mental health services to Veterans, Members of the Canadian Forces (Regular and Reserve), the Royal Canadian Mounted Police (RCMP) and their family with service related psychological/psychiatric illness. The clinic serves a very large catchment area including all of Southwest and Northwest Ontario, the Greater Toronto Area (GTA) and the area around Lake Simcoe and Georgian Bay including the city of Barrie.

The specialized team of psychiatrists, psychologists, mental health nurses, social workers provides comprehensive assessment and treatment in collaboration with community providers. The clinic is also involved in providing education, outreach and research. Currently there are two psychiatrists, Dr. Don Richardson and Dr. David Haslam working predominantly with younger veterans, and Dr. Harris provides psychiatric consultation services to the older Korean and World War II veterans.

Over the past year, the clinic has implemented its outreach initiative to the GTA where to psychologist provide direct services. More recently, the clinic has also implemented its outreach initiative to the Hamilton Niagara region through its collaboration with the Hamilton Anxiety Treatment & Research Centre located at the St. Joseph Hospital Hamilton. In Hamilton, direct psychiatric services are now available to veterans living in the Hamilton-Niagara region.

Medical Director, Dr. Don Richardson states, "Current goals include continuing research in the area of posttraumatic stress disorder and other operational stress injury, continue to enhance services to the community through the Ontario Telemedicine Network (OTN), supporting the outreach initiative to the GTA and further developing training opportunity for residents and psychiatrist interested in veterans' mental health."

New Appointments

Dr. Hooman Ganjavi joined us after graduating from the McGill University Psychiatry residency program. His undergraduate degree, in Biochemistry Science, was received in 1997 from Laurentian University in Sudbury. He obtained his Ph.D. at the University of Toronto in 2004 and completed his medical degree also from the University of Toronto in 2006. He has won a number of awards and scholarships, and has been actively developing a research career. His clinical work is in the area of General Inpatient and Outpatient Psychiatry, with a special focus including research-wise in Schizophrenia. He has recently also taken on the PGME Portfolio Lead position for PGY1 & CaRMS.

Dr. Karin Kerfoot arrived from Yale University and also joined us in General Inpatient and Outpatient Psychiatry, with a special interest in older age psychiatry and concurrent disorders. Dr. Kerfoot obtained her B.Sc. Psychology and B.Sc. Biological Sciences degrees in 1997 and her M.D. in 2001, all from the University of Calgary. She finished her residency in Psychiatry, also from the University of Calgary, in 2006. From 2006 to 2007, she did a fellowship in Geriatric Psychiatry, at the Yale University School of Medicine. She began her practice in psychiatry in the fall of 2007 in the area of Concurrent Disorders and from that time to June 2010, she had also worked in the ECT Center and Geriatric Psychiatry at the Yale-New Haven Psychiatry Hospital, subsequently becoming a Mental Illness Research Education Clinical Center (MIRECC) Fellow at the West Haven Veterans Administration Medical Centre. Dr. Kerfoot has held previous leadership roles in Medical Education, and has been the recipient of a number of awards and distinctions. She has also recently taken on a PGME Portfolio Lead position, in charge of Evaluation.

The Division was excited to welcome to its membership, **Dr. Paul Links**, who comes to us from the University of Toronto, and has been our new Departmental Chair-Chief since January 2012. Dr. Links' career path has been that of a clinical scholar in General Adult Psychiatry, with special expertise in the areas of suicide prevention, the study of personality disorders, as well as in clinical and academic leadership. He completed his BSc and MD at the University of Alberta, followed by an MSc in Clinical Epidemiology and Biostatistics from McMaster University in Hamilton. Dr. Links' psychiatric training included a residency at the University of Ottawa followed by a fellowship at Boston University. Prior

to coming to Western University, Dr. Links was a Professor of Psychiatry and holder of the Arthur Sommer Rotenberg Chair in Suicide Studies, University of Toronto for three terms, as well as being the Acting Psychiatrist-in-Chief of the St. Michael's Hospital's Mental Health Service. In his distinguished career, he has been the President of the Canadian Association for Suicide Prevention (CASP) as well as for the Association for Research on Personality Disorders. He has been active as a scientific editor, author of over 125 papers and three books, and recipient of many prestigious grants and awards including the CASP Research Award for outstanding contributions to the field of suicide research in Canada.

One of our own graduating residents, **Dr. Julie Richard** has joined the PEPP Program (early psychosis), as well as maintaining her clinical interest in adult pervasive developmental disorders. Dr. Richard received her undergraduate degree in Science at Carleton University in 1999 and a Masters in Community Health and Epidemiology at Dalhousie University in 2002. She completed her medical degree in 2005 at the University of Ottawa and then joined the psychiatry residency program at UWO, which she completed in June 2011. Throughout her residency, Dr. Richard was an active educator, being recognized as such with several awards.

We have recruited **Dr. James Ross** from faculty of McGill University in Montreal. He completed an Honours BA at Halifax's University of King's College and subsequently a BSc in Biology at Dalhousie. He moved to Montreal for his Psychiatry residency at McGill. On completion of residency, Dr. Ross accepted a staff position at the MUHC where he worked in the Anxiety Disorders Clinic and pursued his interest in resident education. Dr. Ross has a strong interest in psychotherapy and obtained accreditation in CBT from the Academy of Cognitive Therapy shortly after finishing residency. While working on our general inpatient and outpatients services, he brings special expertise in CBT, as well as assuming the PGME Psychotherapy Training Portfolio Leadership role. He also is pursuing a Master's of Health Professions Education degree through the University of Maastricht over the next 2-3 years, while being affiliated locally with Shulich's CERI (Centre of Excellence in Research Innovation).

I'd like to also briefly mention some of the stellar new appointments that have occurred within the DGAP, effective after July 1, 2012. More extensive descriptions can be found in the Quarterly Newsletters and next year's annual report.

Dr. Michele Ngo - First Episode Mood and Anxiety Program (FEMAP), and one day/week with our Child and Adolescent Ambulatory services at Victoria Hospital.

Dr. Valerie Kaye - The Physician Leader of our new Adult Eating Disorders Program.

Dr. Rebecca King – After completing a fellowship in Psychosomatic Medicine at the Sloan Kettering Institute in New York City, she is doing both Inpatient and Ambulatory work, with a particular focus on patients with complex comorbid medical and psychiatric illnesses.

Divisional Awards

While elsewhere in the report, awards given to Departmental members can be found; this year the Division chose to recognize one of its ranks for exemplary clinical service, as well as for professionalism and collegiality. The award was presented at the Departmental Awards Ceremony in June.

Clinician of the Year – **Dr. Jennifer Barr**

Respectfully submitted,

Jeff Reiss, MD, MSc, FRCPC, DABPN, DFCPA, DFAPA

Division of Geriatric Psychiatry



Dr. Lisa Van Bussel

Chair

Division of Geriatric Psychiatry

Department of Psychiatry

Schulich School of Medicine & Dentistry

Western University

Growth and development of clinical services based on best practices and practice-based evidence continues to drive innovation and collaboration for the Division of Geriatric Psychiatry members. Nationally and provincially it has been recognized that there is a need for subspecialty expertise in Geriatric Psychiatry and the Division maintains its focus on contributing to this important educational need. The Division has contributed to the local and national footprint of applied research expertise, in particular in areas of suicide prevention in late life, health services research and applied psychopharmacology.

Awards and Acknowledgements

On July 1, 2011 Dr. Marnin Heisel was promoted to the academic rank of Associate Professor with tenure. Dr. Heisel continues to be actively involved in research with the Division, focusing his efforts on dissemination of knowledge and best practices with regards to suicide prevention in older adults. He continues as a member of the Department of Psychiatry Research Committee among other service responsibilities, and is currently the Geriatric Psychiatry representative on the Western University Research Ethics Board.

Tony O'Regan received an appointment as Adjunct Clinical Professor, Arthur Labatt Family School of Nursing, Western University, from July 2011, for a five year term. Tony also participated as the allied health care representative on the Geriatric Psychiatry Subspecialty Committee and the Division of Geriatric Psychiatry representative on the Division of Developmental Disabilities Advisory Board.

The following representatives of the Division hold leadership roles in the following areas: CME / CPD – Dr. Vasudev, Undergraduate Education – Dr. Park, Postgraduate Education Coordinator – Dr. Oates, Research Ethics Board – Dr. Heisel, and Clinical Service (RMHC-L – Dr. Van Bussel; LHSC – Dr. Oates). Division member Jennifer Doherty received her Gerontological Nursing Certification from the Canadian Nurses Association. Dr. Maggie Gibson was one of a small number of professionals invited to participate in the "Round Table on Health Promotion Framework" hosted by the Public Health Agency of Canada in Ottawa on March 2, 2012. In July 2011, Dr. Amer Burhan accepted a position at CAMH, Queen Street Site - Geriatric Psychiatry Program. He reduced his time from 1.0 at SJHC to 0.2 at RMHC-L, SJHC. We would like to acknowledge his contributions to the RMHC-L Geriatric Program and Division of Geriatric Psychiatry.

Finally, we thank Dr. Noel Laporte for his years of commitment and interest in Geriatric Psychiatry, in particular his involvement in education and training, and wish him all the best as he moves to Adult Psychiatry, located at RMHCL.

Research

Dr. Heisel was an invited keynote speaker at the 2011 National Initiative for the Care of the Elderly Knowledge Exchange and at the annual conference of the Crisis Workers Society of Ontario, both in Toronto. He and his colleagues presented two papers on their research on late-life suicide ideation at the annual convention of the American Psychological Association, in Washington, D.C. Dr. Heisel and his colleagues hold Lawson funding to investigate potential associations among suicide ideation and the desire to hasten death among older adults. He developed the Geriatric Suicide Ideation Scale which is in clinical validation, and his group is also evaluating abbreviated versions of the Geriatric Suicide Ideation Scale. His graduate students are actively involved in research projects investigating correlates of older adult suicide ideation and knowledge translation with healthcare and social service providers. Simon Tavasoli, one of Dr. Heisel's graduate students in the Department of Epidemiology & Biostatistics, recently successfully defended his Master's Thesis entitled "Religion, Spirituality, and Suicide Ideation among Older Adults." Andrew McClure, also one of Dr. Heisel's Master's students in Epidemiology & Biostatistics, was recently awarded an Ontario Graduate Scholarship.

Dr. Akshya Vasudev reported on the results of a very interesting and possibly practice changing study which has been accepted now for publication in the LANCET. He comments that he was fortunate to be involved in this study and wanted to share the results. The HTA-SADD study was a multi-centric study conducted in England which compared sertraline, mirtazepine or placebo in patients with depression in those suffering from Alzheimer's Dementia. There was no difference between these agents in reducing depression. As expected, the placebo group had significantly fewer adverse events. These results should make us think twice before prescribing antidepressants in Alzheimer's dementia. He would be pleased to hear from you with your thoughts, and encourages everyone to distribute this information to colleagues.

Congratulations to Dr. Vasudev, who was awarded the AMOSO opportunity fund for two years, as well as Department of Psychiatry start-up funding for the study titled "Quantify the Medial Pre Frontal Cortex (MPFC) responsiveness to Parasympathetic Nervous System (PNS) modifiers in Late Life Depression (LLD)". This study is actively recruiting and completion is expected in December 2013. Dr. Vasudev also reported on a new project in the works, entitled "Music therapy in the treatment of agitation in patients with dementia on an inpatient unit". This project is currently awaiting Research Ethics Board approval. Joanna Thornley, a previous social work intern, is a research assistant on this project.

Dr. Vasudev's medical student, Kara Dempster, was a SROP awardee in 2011. She has now completed her project and was awarded the best student presentation at the Annual Department of Psychiatry Research Day on 21st June 2012. She was co-supervised by Marnin Heisel.

An application for an inter-department collaboration involving Psychiatry, Medicine and Family Medicine has been submitted to the Dean for Chronic Disease Management of COPD and Depression. Lead PI is Dr. Paul Links. Co-investigators include Dr. Vasudev and Dr. Van Bussel from Geriatric Psychiatry.

Investigators from St. Joseph's Health Care London, London Health Sciences Centre, and Western University were selected for poster awards of excellence at the 15th Annual International Psychogeriatric Association Congress in The Hague, The Netherlands in September 2011. Dr. Lisa Van Bussel, physician leader for the Geriatric Psychiatry Program at Regional Mental Health Care London, attended the September conference as a representative of a research group that includes Iris Gutmanis, PhD and Ryan DeForge, MA with Specialized Geriatric Services, Ann Jarvie, Clinical Nurse Specialist at Regional Mental Health Care London, and Mark Speechley, PhD, Associate Professor, Department of Epidemiology and Biostatistics. The poster entitled "Using Theatre to Explore Long-Term Care Home Healthcare Provider Needs" showcases the use of theatre as both a knowledge exchange strategy and as a venue for LTCH interdisciplinary team development and discussion. Only six such awards were received from more than 400 poster presentations. Dr. Akshya Vasudev's winning poster was entitled "*White matter changes in late-life depression: A diffusion tensor imaging study*" and authors were S Colloby, M Firbank, A Thomas, J O'Brien, A Vasudev, S Parry.

Dr. Iris Gutmanis continues to play a significant role in program evaluation and research for a variety of related division activities. As the evaluation lead for the SW-LHIN BSO project she has established fruitful working relationships with provincial partners regarding evaluation of this new service delivery strategy. Also, she collaborates with Division members Dr. Marnin Heisel, Dr. Lisa Van Bussel, Jennifer Doherty and Tony O'Regan on shared knowledge translation research.

David McCabe is a doctoral student at The Graduate Center and Queens College of the City University of New York. As a pre-doctoral resident within the London Clinical Psychology Internship Consortium, he is working with Dr. Maggie Gibson on an update of the Canadian Coalition for the Seniors' Mental Health (CCSMH) National Guideline Project. Their contribution to the update focuses on mental health care for older adults living in long-term care settings. Dr. Amer Burhan has co-lead, along with Jennifer Speziale, Director of Geriatric Psychiatry at RMHC, the further enhancement of TMS services and Technology at RMHCL, St. Joseph's Health Care, with the goal of providing state of the art treatment services for individuals with treatment refractory depression. This project is a collaborative research treatment and has engagement with the SJHC Foundation.

Education

Subspecialty Training

The Division of Geriatric Psychiatry submitted an application to the Royal College of Physicians and Surgeons of Canada for approval of a two year subspecialization in Geriatric Psychiatry here at Western University. The application was sent in March 2012 and the decision from the accreditation committee was received in late May 2012. Unfortunately,

the application was not approved in this round, but the committee will start meeting again, to prepare the next submission. The Geriatric Psychiatry Application Planning Group was exceptionally helpful in assembling the necessary reams of paperwork for this application. In particular, the efforts of Dr. Akshya Vasudev, Jennifer Oates, Vadim Beletsky, Tony O'Regan and Debra Martin are acknowledged for their immense support in the application process. As well, we thank Dr. Patty Hall, from Child and Adolescent Psychiatry, for very generously sharing her considerable experience in preparing their successful application, and Dr. Marnin Heisel for his input regarding research and psychotherapy. The Departments of Family Medicine, Neurology and Geriatric Medicine not only provided letters of support, but also assisted in designing goals and objectives for these placements, matching the requirements of the new curriculum.

Continuing Professional Development

On November 2, 2011 the Division of Geriatric Psychiatry hosted our Ninth Annual Symposium, "Beyond the Building Blocks of Geriatric Psychiatry – The Changing Face of Seniors' Mental Health Care". This full day event was held at the Best Western Lamplighter Inn, London, Ontario and included a research poster display. The day was another great success, with 150 in attendance representing geriatric psychiatrists and nurses, Family Medicine physicians and nurses, psychologists, occupational therapists, physiotherapists, social workers, pharmacists, dieticians, and healthcare administrators. We had attendees from across Ontario, a good indicator of the wide-reaching appeal of the program and speakers. The keynote speaker was Dr. Joel Sadavoy, Professor of Psychiatry at the University of Toronto, who spoke on "Caring for Informal Caregivers of Individuals Living with Dementia". Plenary Speaker Dr. Marnin Heisel, Associate Professor with the Department of Psychiatry, Schulich School of Medicine and Dentistry, Western University, spoke on "The Role of Meaning in Life in Enhancing Psychological Resiliency and Well-Being and Contributing to Health Aging". There were a number of very well attended workshops on topics pertaining to geriatric patient care, presented by health care professionals from St. Joseph's Health Care London, London Health Sciences Centre and Western University, London, Ontario. Topics included Ethnocultural Seniors and Mental Health, Personality Disorders in the Elderly, Neuropsychiatry of Movement Disorders, Sleep Disorders in the Elderly, Driving and Dementia, and The Link between Cardiovascular Conditions and Late Life Depression. In addition, twelve posters were displayed, showcasing research being done locally in a variety of areas related to senior health and eldercare. A welcome surprise was media attention from CTV News London, Fanshawe radio, and London Community News. This media exposure definitely helps to promote senior health and eldercare. Conference Chair Dr. Lisa Van Bussel commented that "Participation by others from the greater health care system, and not just mental health care providers at events such as this, is important. Seniors mental health, addictions, and dementia will continue to impact us as the population ages. We need to really prepare all health care providers. This (symposium) is a way of helping to learn together and exchange new ideas."

2012 marks our Tenth Anniversary of the Symposium! Planning has already started for the Tenth Annual Geriatric Psychiatry Symposium "Leading and Learning Together:

Celebrating a Decade of Success”, which will be held on Wednesday, November 7, 2012. This full day event will feature Dr. Kiran Rabheru and Dr. Maggie Gibson as keynote speakers, as well as twelve concurrent workshops, of interest to geriatric psychiatrists and nurses, Family Medicine physicians, psychologists, occupational therapists, physiotherapists, social workers, pharmacists, dieticians, healthcare administrators - anyone involved in elder care. Workshop topics include Dementia, Stigma Challenges at Residential End of Continuum of Care, Polypharmacy in the Elderly, Mindfulness-Based CBT, Communication Strategies, Geriatric Mental Health in the Emergency Department, Hoarding, and Smoking Cessation. More information will be available on the Western University website at <https://www.schulich.uwo.ca/continuingprofessionaldevelopment/cmeprograms/#NOV-12>

On April 12, 2012, the Department of Psychiatry Continuing Professional Development forum spotlighted Geriatric Psychiatry. Dr. Akshya Vasudev moderated the session. Psychiatry resident Dr. Mohamad Elfakhani (PGY-2) presented the case study "Non-pharmacological treatment of behaviours in dementia: a case report and review of literature". Dr. Lisa Van Bussel then provided an update "The provincial BSO strategy: Exciting times for the region". The final talk was "Responding to the need: Enhancing services in London and Middlesex. Where we are and where we are going" with guest speakers Lori Hassall, Coordinator with the Geriatric Mental Health Program and PEPP Programs, and Lynn Mellows, Executive Director, McGarrell Place and Co-Chair of the Geriatric Cooperative.

The LHSC Geriatric Mental Health Program Continuing Professional Development group was set up in November 2011. The decision to initiate this group was based on feedback received from team members that there was a lack of regular CPD opportunities for our clinicians working with the elderly who suffer from mental health issues in London, Ontario. We also acknowledged that there are a number of experts within our team and we could learn immensely from each other. Florence Dean, RN and Dr. Akshya Vasudev have helped organize and chair this CPD group since then. The program currently enjoys Royal College self-accredited certification and is attended by three psychiatrists, residents, medical students, one psychologist, five nurses, four social workers, one occupational therapist and one recreational therapist working in the Programme. The CPD group meets at noon on the last Wednesday of every month, except for July, August and December. Topics included thus far have been Mindfulness Meditation, Elder Abuse, Lewy-Body Disease: A Case Study, Care Giver Burden, Montessori Methods for the Geriatric population, and ECT.

Undergraduate

In Undergraduate education, the 2011-2012 third year clinical clerks have done a new trial of a 2-week selective during the 6-week block psychiatry rotation. A total of twenty-nine clinical clerks have gone through a 2-week geriatric psychiatry program. These students were divided between LHSC and RMHC sites. Overall, the 2-week selective in Geriatric Psychiatry went well.

Postgraduate Education

The Geriatric Postgraduate Education coordination has been going very well. We continue to run our multi-disciplinary Geriatric Psychiatry lecture series which is well received by the residents. This year we also succeeded in having our lecture series moved up to earlier in the PGY-3 year so that the most residents have some or all of their didactic teaching during or before the start of their rotations. There is also some potential for us to expand our Geriatric lecture series for coming years as we develop the postgraduate training in our specialty here.

We have been able to meet the increased need for Geriatric Psychiatry rotations and most of our PGY-3 residents receive training at both RMHC and LHSC sites, to obtain the full range of experiences our department has to offer. We are also able to work with our counterpart in Family Medicine and Geriatric Medicine to provide their residents with training in geriatric psychiatry. We also continue to provide seminars on topics in geriatric psychiatry when needed for our colleagues in these specialties.

PGY-3 residents in Geriatric Psychiatry this past year were Vadim Beletsky, Rachana Bodani, Jen Lai, Mark Reddington, Arany Shanmugalingam, Hollam Sutandar, Jonathan Tan, and Cheryl Willsie. We welcome Dr. Arany Shanmugalingam as the Resident Representative with Geriatric Psychiatry this year. The Division of Geriatric Psychiatry developed the David Harris Award to recognize the resident trainee who best fulfills and encompasses the pillars of excellence in the care of older adults with mental health illnesses. The 2012 recipient, presented at the Awards Ceremony on June 12, 2012 is Dr. Rachana Bodani (PGY-4).

This is a sample of the Geriatric Psychiatry PGY-3 resident lecture topics and speakers.

Psychotherapy in the Elderly	Dr. Jennifer Oates
Psychology and neuropsychiatric Assessment	Dr. Ed Black & Tom Ross
Psychopharmacology in the Elderly	Dr. Akshya Vasudev
Normal Aging	Dr. Helen Park
Driving Assessment (and other major geriatric assessment tools)	MaryAnne MacCallum & Dr. J. Oates
Psychosis and Delirium	Dr. Noel Laporte
Mood Disorders in the Elderly	Dr. Akshya Vasudev
DAT and MCI Other Dementias, including FTD, Lewy Body Dementia and Vascular Dementia	Invited Lecturers hosted by Dr. Vasudev or Dr. Oates
Management of BPSD	Dr. Lisa Van Bussel
Presentation and Management of Addictions in the Elderly	Dr. Karin Kerfoot

Clinical Service Development

Behavioral Supports Ontario (BSO)

The BSO is a strategy focusing on improvement in quality of care for older adults at risk or suffering from mental health, addiction, dementia and related behaviours. This initiative is based on the pillars of improving service coordination, collaboration and clinical outcomes through education, building capacity and clinical collaboration. The Division of Geriatric Psychiatry is participating in the Behavioral Supports Ontario Project. Division members involved are Dr. Jennifer Oates, Dr. Akshya Vasudev, Jennifer Doherty, Dr. Lisa Van Bussel, Dr. Iris Gutmanis, Kelly Simpson and Jennifer Speziale. The project focuses on the development of enhanced services for seniors with mental health, addictions, dementia, and behavioral disturbance. Congratulations to this dedicated team for sharing their specialized knowledge and skills, and influencing and advocating for significant change and improvement in services for our region.

In the fall of 2011 Dr. Van Bussel was appointed to the Provincial Resource Team, which provides advice and best practices to the Behavioural Supports Ontario Project. In this role she presented along with Bernie Blais, at Queens Park, to the ADMs and CEOs of other provincial LHINs. In May 2012 she presented to the South West LHIN Quality Forum. Division member Dr. Iris Gutmanis has been appointed Co-Chair of the Provincial Evaluation Committee for Behavioural Supports Ontario.

Division Membership

Associate Professor & Chair

Lisa Van Bussel

Professor Emeritus

David Harris

Associate Professors

Michele Doering

Marnin Heisel

Assistant Professors

Amer Burhan

Jennifer Oates

Hae-Ryun Park

Akshya Vasudev

Adjunct Faculty

Jennifer Doherty

John Feightner

Michael Fisman

Jennifer Fogarty

Iris Gutmanis

Tony O'Regan

Affiliate Members

Ed Black

Michael Borrie

Laura Diachun

Maggie Gibson

Ann Jarvie

Tom Ross

Lisa Van Bussel, MD, FRCPC

Division of Neuropsychiatry Leadership in Neuroscience Research



"The challenge of our time is not to discover a gene for a particular neuropsychiatric disorder but to understand the final common pathway of the disorder with advanced brain imaging techniques."

Peter Williamson

The Division of Neuropsychiatry was created in 2001 to provide academic leadership in neuroscience research within the Department of Psychiatry. It provides a home for basic science researchers within the Department and facilitates more effective collaboration with clinical research groups. It enhances collaboration between imaging researchers at the Robarts Research Institute, the Lawson Health Research Institute and clinical research groups. Finally, it allows the development of advanced training opportunities within the department at resident, fellowship, MSc, PhD and postdoctoral levels through collaboration with the Departments of Medical Biophysics, Anatomy and Cell Biology, Psychology and the Neuroscience Graduate Program. The division also contributes to clinical service provision through a consultation role with the Department of Clinical Neurological Sciences and with the Acquired Brain Injury program at Parkwood Hospital.

Research Accomplishments

During the first five years, four vertically integrated research programs were developed as a result of support: a schizophrenia group led by Dr. Williamson, the *Tanna Schulich Chair in Neuroscience and Mental Health*, a posttraumatic disorders group led by Dr. Ruth Lanius, the *Harris-Woodman Chair in Psyche and Soma*, a mood and anxiety disorders group led by Dr. Beth Osuch, the *Rea Chair in Mood and Anxiety Disorders* and an autism group led by Dr. Rob Nicolson who holds an *Endowed Chair at the Autism Centre of Excellence* at the University of Western Ontario. Highlights of collaborative clinical and basic science research over the last year in each of these areas are reviewed below.

Schizophrenia: Over the last two decades, molecular genetic studies have dominated the investigation of neuropsychiatric conditions. Some promising genetic correlates of neuropsychiatric disorders have emerged but none explain more than a small fraction of cases. The challenge of our time is to find the neuronal circuits associated with these disorders. Dr. Williamson and Dr. John Allman, an evolutionary biologist at the California Institute of Technology, proposed in their book, *The Human Illnesses: Neuropsychiatric Disorders and the Nature of the Human Brain*, Oxford University Press, 2011, that the neuronal pathways that underlie neuropsychiatric conditions mirror unique human capabilities.

Central to understanding the human brain is the capacity for representation. Brain structures such as the frontal pole, temporal pole, and fronto-insular cortex are highly developed in humans and may be associated with this function. This *representational network* receives input from a *directed effort network* including the dorsal anterior cingulate cortex, auditory cortex, and hippocampus and an *emotional encoding network* including the ventral anterior cingulate cortex, orbital frontal cortex, and amygdala. Von Economo neurons, which are particularly prominent in the human brain in the dorsal and ventral anterior cingulate cortex and the fronto-insular cortex, may have allowed synchronization of these regions in the human brain making representation and complex social relationships possible.

Conditions like schizophrenia might result from a failure of the *directed effort network* while bipolar disorders may arise from failure of the *emotional encoding network*. Autism is likely associated with failure of the *representational network* and frontotemporal dementia may be associated with failure of several networks including the *representational* and *emotional encoding networks*. From this perspective, neuropsychiatric disorders are seen as selective failures of brain networks involved in the integration of cognition, affect and perception.

The model provides a framework for understanding brain imaging findings of the group at the University of Western Ontario over recent years in collaboration with Dr. Rahul Manchanda and the Prevention and Early Intervention in Psychosis Program (PEPP), Dr. Ravi Menon and Dr. Jean Théberge. Altered glutamatergic metabolites have been found in key parts of the directed effort which correlate with social deficits and gray matter losses in first episode schizophrenic patients over time. Many of these regions are also associated with functional deficits in resting state networks associated with directed effort and self-monitoring (see Figure 1). The schizophrenia group was recently awarded a five year \$739,755 grant from the Canadian Institutes of Health Research to examine the structural, functional, and metabolic correlates of these changes in first episode schizophrenic and

depressed patients in collaboration with Dr. Osuch. The characterization of the final common pathways of these disorders may open new avenues for treatment.

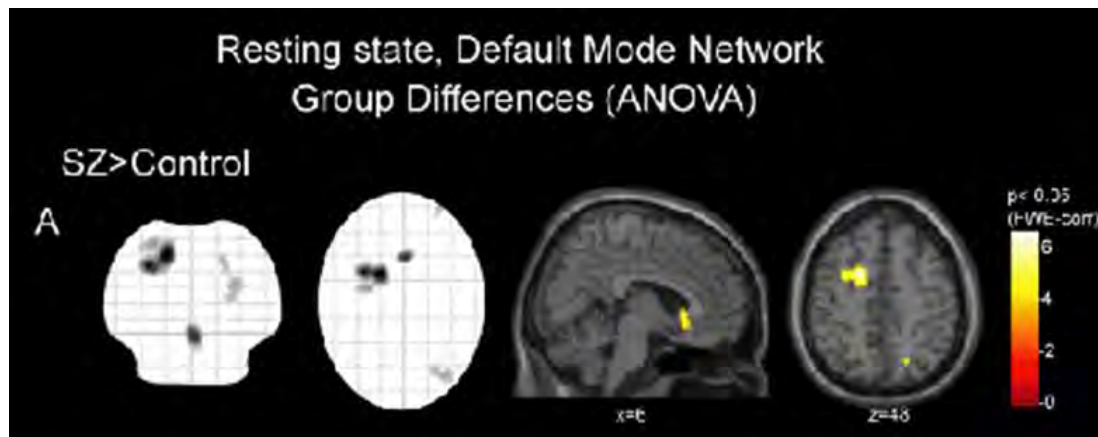


Figure 1: Preliminary 3.0 T resting state, default mode functional MRI ICA group differences in 12 first episode, medicated schizophrenic patients (SZ), 12 first episode, mostly medicated major depression disorder patients (MD) and 22 healthy volunteers. A Family-wise Error (FWE) corrected increase SZ>controls is shown in the dorsal anterior cingulate (ACC), a key part of the directed effort network.

Posttraumatic Stress Disorders: Dr. Ruth Lanius and Dr. Paul Frewen continue to make groundbreaking contributions to the understanding of posttraumatic stress disorders. In the lead article of the June 2010 issue of the *American Journal of Psychiatry*, Dr. Lanius described a new subtype of posttraumatic stress disorder. The dissociative subtype is characterized by overmodulation of affect, while the more common undermodulated type involves the predominance of reexperiencing and hyperarousal symptoms. In this model, reexperiencing/hyperarousal reactivity is viewed as a form of emotion dysregulation that involves emotional undermodulation, mediated by failure of prefrontal inhibition of limbic regions. In contrast, the dissociative subtype of PTSD is described as a form of emotion dysregulation that involves emotional overmodulation mediated by midline prefrontal inhibition of the same limbic regions. Both types of modulation are involved in a dynamic interplay and lead to alternating symptom profiles in PTSD. These findings have important implications for treatment of PTSD, including the need to assess patients with PTSD for dissociative symptoms and to incorporate the treatment of dissociative symptoms into stage-oriented trauma treatment.

Following up on her description of the dissociative subtype, Dr. Lanius has published 16 articles on posttraumatic stress disorders this year in journals such as *Human Brain Mapping*, *Psychological Medicine*, *Journal of Clinical Psychiatry* and given invited lectures in Los Angeles, Boston, Justus-Liebig University in Germany and Baltimore, Maryland. Much

of this work has been funded by the *Canadian Institutes of Health Research*. However, Dr. Lanius is one of 4 investigators from *Harvard, New York University, Emory University* and *Western* who were awarded \$3,090,352 over four years from the *National Institute of Mental Health* in United States to study the effectiveness of a number of treatment strategies in posttraumatic stress disorders. Dr. Lanius has also received substantial funding from the *Canadian Institute of Military and Veterans Health Research*.

Dr. Frewen has published important work on social emotional processing in these patients in *Social and Cognitive Affective Neuroscience, European Journal of Psychotraumatology* and *Psychological Bulletin* supported by grants from the *Ontario Mental Health Foundation* and the *Canadian institutes of Health Research*. In a fascinating paper published in the *Journal of Clinical Psychiatry*, Dr. Frewen and Dr. Lanius demonstrated the functional brain imaging correlates of emotional numbing in posttraumatic stress disorder patients (Figure 2).



Figure 2: Decreasing BOLD response within the dorsomedial prefrontal cortex during positive and negative emotional imagery in 14 posttraumatic stress disorder patients as a function of increasing emotional numbing symptoms.

Mood and Anxiety Disorders: The First Episode Mood and Anxiety Program (FEMAP) provides an excellent base for both clinical and brain imaging research. Dr. Osuch has been studying neurofunctioning and cognitive interactions in major depression and marijuana

use in youth with functional and structural brain imaging in a project funded by the *Ontario Mental Health Foundation*. In another project, funded by the *Pfizer Psychiatry Research Program*, Dr. Osuch is examining the potential of functional brain imaging techniques to diagnose first episode bipolar versus unipolar depression. The ability to do so would have important clinical implications as antidepressants given to bipolar depressed patients can exacerbate the illness.

Dr. Derek Mitchell collaborates with Dr. Osuch on a number of projects on the cognitive neuroscience of affective disorders. In addition to the paradigm development on the above studies, Dr. Mitchell has published an invited review on the brain mechanisms of conscious perception of emotional stimuli for *The Neuroscientist* and important papers on decision making and emotional regulation in *NeuroImage* and *Behavioural Brain Research* supported by grants from *Natural Sciences and Engineering Research Council of Canada* and the *Social Sciences and Humanities Research Council of Canada*.

Autism: Dr. Nicolson, the *Endowed Chair in Autism Studies*, has brought together the *Autism Centre of Excellence* with a substantial grant from the Government of Ontario. Dr. Nicolson has been looking at the brain circuitry associated with autism supported by a *Canadian Institutes of Health Research* grant. Findings from this brain imaging study have implicated many brain regions associated with unique human capabilities like ‘theory of mind’ or the ability to perceive the intentions and feelings of others. Dr. Nicolson is one of 6 investigators awarded \$1,950,000 by the *Ontario Brain Institute* to study autism and other neurodevelopmental disorders. Dr. Nicolson will coordinate the brain imaging aspects of this multidisciplinary clinical and genetic study.

Basic Science: Basic science investigations include innovative signalling studies led by Dr. Rushlow and Dr. Raj Rajakumar. Of particular note this year are important papers on regulation of Akt and Wnt signalling by group II metabotropic glutamate receptor antagonists and agonists published in the *Journal of Neurochemistry* by Dr. Rushlow and the role of calcineurin in inhibiting disadvantageous associations in *Neuroscience* by Dr. Rajakumar. Dr. Rajakumar also plays an important role as a neuroanatomy consultant to the brain imaging studies and Dr. Rushlow collaborated on the basic science aspects of Dr. Lanius’ *Canadian Institute of Military and Veterans Health Research* study.

Educational Accomplishments

Neuropsychiatry offers research training opportunities for residents within all core programs in order to prepare for a research fellowship or postgraduate degree. Both Dr. Williamson and Dr. Rushlow sit on the Royal College Clinical Investigator Program

committee to facilitate transition from specialty training to an MSc or PhD degree at Western upon completion of core training requirements.

Over the last 20 years, Dr. Williamson has co-supervised MSc and PhD students in Medical Biophysics and the Neuroscience Graduate Program with Dr. Dick Drost, Dr. Jean Théberge and Dr. Terry Thompson. With this unique multidisciplinary approach, students develop a skill set in neurophysiology, neuroanatomy, clinical neuropsychiatry, medical biophysics and the application of brain imaging techniques. Graduates have gone on to faculty positions at Harvard, Pittsburgh and Wayne State. Dr. Williamson continues to co-supervise an MSc and a PhD student in Medical Biophysics and a postdoctoral student with Dr. Osuch. Dr. Nicolson offers a clinical and research experience in autism to residents and co-supervises a PhD student in Medical Biophysics. Dr. Nicolson won a Schulich Educator Award in 2012 in recognition of his teaching expertise.

Dr. Lanius offers a very popular advanced postdoctoral training experience to postdoctoral students. Over the last few years, she has attracted MSc and postdoctoral fellows from the University of Mannheim in Germany and the University of London, UK. Dr. Lanius also provides research experience for residents in psychiatry and family practice.

Dr. Mitchell has been very active with graduate training. Two students have completed their MSc degrees this year with Dr. Mitchell and a PhD and an MSc student are in progress through the Graduate Neuroscience Program and Anatomy and Cell Biology. Drs. Rushlow, Rajakumar, and Frewen also offer training at the MSc and PhD levels through the Neuroscience Graduate Program and Anatomy and Cell Biology.

Awards

1. *Dr. Ruth Lanius*- Department of Psychiatry, University of Western Ontario Research Award (2010-2011).
2. *Dr. Ruth Lanius*- Written Media Award, Lanius, R; Vermetten, E. and Pain, C. for “The Impact of Early Life Trauma on Health and Disease: The Hidden Epidemic.” Lanius, R.; Vermetten, E. and Pain, C. for “The Impact of Early Life Trauma on Health and Disease: The Hidden Epidemic.” Presented at the 28th Annual Conference of the International Society for the Study of Trauma and Dissociation, November 2011.
3. *Dr. Paul Frewen*- Department of Psychiatry, University of Western Ontario Research Award (2011-2012).

Grants

1. Anagnostou, A.; Arnold, P.; Schachar, R.; Scherer, S.; Szatmari, P and Nicolson, R. Province of Ontario Neurodevelopmental Disorders Network. Ontario Brain Institute. \$3,500,000. 2011-2013.
2. Cloitre, M. (Principal Investigator); Herman, J.; Kaslow, N. and Lanius, R. (Site Principal Investigator). "Implementation of an Evidence Based PTSD Treatment in Public Sector Settings". National Institutes of Mental Health. USD 1st year \$755, 550. Total \$3,090,352. 2011–2015.
3. Fombonne, E.; Bryson, S.E.; Burack, J.A.; Evans, A.C.; Iarocci, G.; Mirenda, P.; Mottron, L.; Roberts, S.W.G.; Rouleau, G.A.; Scherer, S.W.; Smith, I.M.; Szatmari, P.; Volden, J.; Zwaigenbaum, L.; Anagnostou, E.; Boyle, M.H.; Brian, J.A.; Couture, M.; Drapeau, P.; Enns, J.T.; Fahnestock, M.; Johnson, S.A.; Kelley, E.A.; Kennedy, T.J.; Kingstone, A.F.; Mazer, B.D.; Moore, C.; Muckle, G.; Nicholas, B.; Nicolson, R.J.; Patterson, A.D.; Tanaka, J.W.; Vaillancourt, T. and Weksberg, R. CIHR Training Grant in Autism Research. Canadian Institutes of Health Research. \$1,950,000. 2009-2015.
4. Forchuk, C. (Principal Investigator); Rudnick, R.; Reiss, J.; Hoch, J.; Petrenko, M.; Godin, M.; Corring, D.; Donnelle, L.; Edwards, B.; Mitchell, B.; Neal, D.; Ouseley, S.; Vingilis, E.; Campbell, R.; Norman, R. and Osuch, E.A. "Put Technology in the hands of clients of the mental health system and their clinical team to demonstrate how to more effectively and efficiently deliver health care services". Canada Health Infoway in partnership with TELUS and Lawson. \$1,686,526. 2012-2015.
5. Frewen, P. and Lanius, R.A. "Neuroimaging studies of self-perception in women with major depression with and without posttraumatic stress disorder". The Ontario Mental Health Foundation. New Investigator Fellowship. 3 yrs. \$34,782 yr. 2009–2012.
6. Frewen, P.A.; Lanius, R.A.; Neufeld, R.W.J. and Reiss, J. "Psychological Assessment of Symptom Causal Relations". Canadian Institute of Health Research. \$162,774. 2011–2014.
7. Lanius, R.A. "Intergenerational Transmission of Trauma". Judith Harris Foundation. \$750,000. \$150,000/yr. for five years. 2008–2012.
8. Lanius, R.A. (Co Principal Investigator); McKinnon, M. (Co Principal Investigator); and Jetly, L.Col. Rakesh. "Default connectivity as a predictor of posttraumatic stress

- disorder symptomatology and behavioural correlates of autobiographical memory in posttraumatic stress disorder". Department of National Defense. 2 yrs \$179,000. 2009–2011.
9. Lanius, R.A. (Co Principal Investigator); McKinnon, M. (Co Principal Investigator); Hall, G.; Levine, B.; MacQueen, G. and Neufeld, R.W.J. "Neural and behavioural correlates of autobiographical memory performance in patients with post-traumatic stress disorder and/or major depression following motor vehicle crash". Canadian Institutes of Health Research. 4 years \$354,985, \$88,746/yr. 2009–2013.
 10. Lanius, R.A.; Ros, T. (Post-Doctoral Fellow); Théberge, J. and Frewen, P.A. "Functional MRI correlates of neurofeedback for PTSD". Lawson Health Research Institute Internal Research Fund. \$14,925. 2011–2013.
 11. Lanius, R.A. and Rhind, S.; "Biological Correlates of Military-Related-Post-traumatic Stress Disorder Pilot Study." (Task 4). Canadian Institute of Military and Veterans Health Research (CIMVHR). \$132,612. 2012–2012.
 12. Lanius, R.A. Neurofeedback Project (Task 2). Canadian Institute of Military and Veterans Health Research (CIMVHR). Total \$167,873 (February-March 2012, \$21,885; April-December 2012, \$145,987.50). 2012–2012.
 13. Menon, R. (Principal Applicant); Bartha, R.; Chronik, B.A.; Culham, J.C.; Dekaban, G.A.; Everling, S.; Foster, P.J.; Goodale, M.A.; Huff, M.W. and Williamson, P.C. "Centre for Functional and Metabolic Mapping." Canadian Institutes of Health Research. \$696,850. 2007–2012.
 14. Mitchell, D. (Principal Investigator); Osuch, E. and Williamson, P.C. "Modulating Neural Responding to Positive and Negative Stimuli in Untreated Patients with Major Depression." Ontario Mental Health Foundation. \$105,000. 2008-2011.
 15. Mitchell, D. "The functional neuroanatomy of emotional representation, integration, and control." NSERC Discovery. \$75,000. 2008-2013.
 16. Mitchell, D. (Principal Investigator); and Neufeld, R.W.J. "Individual differences in distinct facets of empathy and the factors that influence their expression." Social Sciences and Humanities Research Council of Canada Research Grant. \$98,414. 2009-2012.

17. Mitchell, D. (Principal Investigator); Joanisse, M.; Culham, J.; Owen, A.; Goodale, M. and Ansari, D. "Eye tracking and 3 dimensional visualization: synergistic and ecologically valid approaches to neuroimaging research." Natural Sciences and Engineering Research Council of Canada: Research Tools and Instruments Grant. \$109,066. 2012.
18. Nicolson, R. (Principal Investigator); Drost, D.; Gelman, N.; Neufeld, R.W.J.; Théberge, J. and Williamson, P.C. "Neurobiological Marker of Aberrant Connectivity in Autism." Canadian Institute of Health Research. \$383,967. 2008– 2011.
19. Osuch, E. Funding from the Bell Canada initiative has been secured for one day a week for three years for FEMAP's addiction specialist. Approximately \$222,461.10. 2012–2015.
20. Osuch, E. FEMAP Resource Room. London Health Sciences Foundation. (Plunkett Foundation and Joseph Rea). \$32,568. 2012.
21. Osuch, E. (Principal Investigator); Williamson, P.C.; Théberge, J.; Neufeld, R.W.J.; Mitchell, D. and Kish, S. "Major Depression and Marijuana Use in Youth: Neurofunctional and Cognitive Interactions." Ontario Mental Health Foundation. \$150,000. 2009-2012.
22. Osuch, E. (Principal Investigator); Williamson, P.C.; Théberge, J.; Neufeld, R.W.J. and Mitchell, D. "Functional Neuroimaging of Intrinsic Hemodynamic Networks in Bipolar Disorder, Unipolar Disorder and Controls: Finding a Biomarker for Bipolarity." Pfizer Psychiatry Research Awards Program. \$100,000. 2012-2014.
23. Perry, A.M.; Bebko, J.M.; Minnes, P.M.; Weiss, J.A.; Barrowman, N.J.; Condillac, R.A.; Dunn-Geier, J.B.; Isaacs, B.J.; Lindblad, T.; Loh, A.W.; Nicolson, R.J. and Penn, H.E. "GO4KIDDS: Great Outcomes for Kids Impacted by Severe Developmental Disabilities and their Families." Canadian Institutes of Health Research. \$325,326. 2009-2012.
24. Prato, F.; Koropatnick, J. (Principal Applicants); Chronik, B.; Dhanvantari, S.; Lee, T.-Y.; Rutt, B.; Thomas, A.; Thompson, T.; Urbain, J.-L. and Williamson, P.C. "Biomedical Multimodal Hybrid Imaging." Canadian Foundation for Innovation / Ontario Research Fund. \$19,982,000. 2007–2012.
25. Rushlow, W. "Regulation of locomotor activity by GSK-3 and GSK-3 regulatory proteins." Ontario Mental Health Foundation. \$150,000. 2010–2012.

26. Théberge, J. "Examining abnormal brain activity oscillations in schizophrenia using high field Lorentz effect fMRI." National Alliance for Research on Schizophrenia and Depression (NARSAD) Young Investigator Award Program. Ontario Mental Health Foundation – New Investigator Fellowship. \$60,000. 2008-2012.
27. Théberge, J. "High Field Functional Magnetic Resonance Spectroscopy of Glutamate in Schizophrenia." Ontario Mental Health Foundation – New Investigator Fellowship. \$104,700. 2008-2012.
28. Théberge J. "Unraveling the origins of glutamatergic magnetic resonance spectroscopy signals in the human brain." Natural Sciences and Engineering Research Council of Canada – Discovery Grants. \$140,000. 2011-2016.
29. Williamson, P.C. (Principal Investigator); Osuch, E.; Drost, D.; Menon, R.; Manchanda, R.; Théberge, J.; Neufeld, R.W.J.; Rajakumar, R. and Pavlosky, W. "Candidate Neuronal Circuits in Schizophrenia." Canadian Institutes of Health Research. \$569,075. 2007–2012.
30. Williamson, P.C. (Principal Investigator); Osuch, E.; Menon, R.; Manchanda, R.; Théberge, J.; Neufeld, R.W.J.; Rajakumar, R. and Pavlosky, W. "Candidate Neuronal Circuits in Schizophrenia." Canadian Institutes of Health Research. \$739,755. 2012–2017.

Publications

Book Chapters and Invited Publications:

1. Brand, B.; Myrick, A.; Sar, V. and Lanius, R.A. "Trauma and Dissociation: Clinical manifestations, diagnosis, epidemiology, pathogenesis and treatment." In: "Psychogenic Movement Disorders & Other Conversion Disorders." (Chapter 16) Hallett, M.; Lang, A.; Jankovic, J.; Fahn, S.; Halligan, P.; Voon, V. and Cloninger, R. (eds). pp 106-119. Cambridge University Press, 2011.
2. Lanius, R.A. "A social cognitive and affective neuroscience approach to complex PTSD." In: Proceedings of the 18th International IAAP Congress for Analytical Psychology: Montreal 2010 Facing Multiplicity Psyche, Nature, Culture. Bennett, P. (ed). Daimon Verlag, Einsiedeln, Switzerland. (In Press).
3. Vermetten, E. and Lanius, R.A. "Biological and clinical framework for posttraumatic stress disorder." In: Handbook of Clinical Neurology Volume 105 (3rd Series).

Aminoff, M.; Boller, F. and Swaab, D. (eds). Section on Psychiatric Disorders. Schlaepfer, T. and Nemeroff, C. (section eds). Elsevier, Edinburgh UK. (In Press).

4. Williamson, P.C. "A Theoretical Framework for the Neurobiology of Chronic Traumatization." Acta Psychiatrica Scandinavica, 124: 329-330, 2011.
5. Williamson, P.C. "Toward a Final Common Pathway of Depression." Acta Psychiatrica Scandinavica, 124: 415-416, 2011.

Peer Reviewed Publications:

1. Aoyama, N.; Drost, D.J.; Théberge, J.; Manchanda, R.; Malla, A.; Northcott, S.; Menon, R.S.; Neufeld, R.W.J.; Rajakumar, N.; Pavlosky, W.; Densmore, M.; Schaefer, B. and Williamson, P.C. "Gray Matter and Social Functioning Correlates of Longitudinal Glutamatergic Metabolite Changes in the Early Years of Schizophrenia: A 4.0T Magnetic Resonance Spectroscopy Study." British Journal of Psychiatry, 198: 448-456, 2011.
2. Bluhm, R.L.; Clark, R.; McFarlane, A.C.; Moores, K.A.; Shaw, M.E.; Lanius, R.A. "Default network connectivity during a working memory task." Human Brain Mapping, 32(7): 1029-1035, 2011.
3. Bluhm, R.L.; Frewen, P.A.; Coupland, N.C.; Densmore, M.; Schore, A.N. and Lanius, R.A. "Neural correlates of self-reflection in posttraumatic stress disorder." Acta Psychiatrica Scandinavica, 125(3): 238-46, 2012.
4. Brand, B.L.; Myrick, A.C.; Loewenstein, R.J.; Classen, C.C.; Lanius, R.; McNary, S.W.; Pain, C. and Putnam, F.W. "A survey of practices and recommended treatment interventions among expert therapists treating patients with dissociative disorder and dissociative disorder not otherwise specified." Psychological Trauma: Theory, Research, Practice, and Policy, (Epub ahead of print).
5. Brand, B.L.; McNary, S.W.; Myrick, A.C.; Classen, C.C.; Lanius, R.; Loewenstein, R.J.; Pain, C. and Putnam, F.W. "A longitudinal naturalistic study of patients with dissociative disorder treated by community clinicians." Psychological Trauma: Theory Research Practice and Policy, (Epub ahead of print).
6. Dalenberg, C.J.; Brand, B.L.; Gleaves, D.H.; Dorahy, M.J.; Loewenstein, R.J.; Cardeña, E.; Frewen, P.A.; Carlson, E.B. and Spiegel, D. "Comparison of the Trauma and Fantasy Models of Dissociation." Psychological Bulletin, 138: 550-588, 2012.

7. Daniels, J.K.; Hegadoren, K.; Coupland, N.J.; Rowe, B.H. and Lanius, R.A. "Cognitive distortions in an acutely traumatized sample: an investigation of predictive power and neural correlates." Psychological Medicine, 41(10): 2149-2157, 2011.
8. Daniels, J.K.; Hegadoren, K.; Coupland, N.J.; Rowe, B.H.; Densmore, M.; Neufeld, W.J. and Lanius, R.A. "Neural correlates and predictive power of trait resilience in an acutely traumatized sample: a pilot investigation." Journal of Clinical Psychiatry. 73(3): 327-332, 2012.
9. Daniels, J.; Coupland, N.; Hegadoren, K.; Rowe, B.; Densmore, M.; Neufeld, R. and Lanius, R. "Neural and behavioral correlates of peritraumatic dissociation in an acutely traumatized sample." Journal of Clinical Psychiatry. 73(4): 420-426, 2012.
10. Daniels, J.K.; Bluhm, R.L. and Lanius, R.A. "Intrinsic network abnormalities in posttraumatic stress disorder: research directions for the next decade." Psychological Trauma: Theory, Research, Practice & Policy. (Epub ahead of print).
11. Epp, A.M.; Dobson, K.S.; Dozois, D.J.A. and Frewen, P.A. "A Systematic Meta-Analysis of the Stroop Task in Depression." Clinical Psychology Review, 32(4): 316-28, 2012.
12. Frewen, P.A.; Dozois, D.J.A.; Densmore, M.; Stevens, T.K. and Lanius, R.A. "Self-referential processing in women with PTSD: affective and neural response." Psychological Trauma: Theory, Research, Practice & Policy, 3(4): 318-328, 2011.
13. Frewen, P.A. and Lundberg, E. "Visual-Verbal Self/Other-Referential Processing Task: Direct vs Indirect Assessment, Valence, and Experimental Correlates." Personality & Individual Differences, 52: 509-514, 2012.
14. Frewen, P.A.; Dozois, D.J.A. and Lanius, R.A. "Assessment of Anhedonia in Psychological Trauma: Psychometric and Neuroimaging Perspectives." European Journal of Psychotraumatology, 3: 8587, 2012.
15. Frewen, P.A., Dean, J.A. and Lanius, R.A. "Assessment of Anhedonia in Psychological Trauma: Development of the Hedonic Deficit and Interference Scale." European Journal of Psychotraumatology, 3: 8587, 2012.
16. Frewen, P.A.; Dozois, D.J.A. and Lanius, R.A. "Assessment of anhedonia in psychological trauma: psychometric and neuroimaging perspectives." European Journal of Psychotraumatology, 3: 8587-, 2012.

17. Frewen, P.A.; Dean, J. and Lanius, R.A. "Assessment of anhedonia in psychological trauma: development of the hedonic deficit and interference scale." European Journal of Psychotraumatology, 3: 8585-, 2012.
18. Frewen, P.; Dozois, D.J.A.; Neufeld, R.W.J. and Lanius, R.A. "Disturbances of emotional awareness & expression in PTSD: meta-mood emotion regulation mindfulness and interference of emotional expressiveness." Psychological Trauma: Theory, Research, Practice, and Policy, 4(2): 152-161, 2012.
19. Frewen, P.A.; Dean, J. and Lanius, R.A. "Hedonic deficit versus affective interference II: History of childhood emotional and sexual abuse predicts negative affect in response to pleasant events." European Journal of Psychotraumatology, (In Press).
20. Frewen, P.A.; Allen, S.A.; Lanius, R.A. and Neufeld, R.W.J. "Perceived causal relations: novel methodology for assessing client attributions about causal associations between variables including symptoms and functional impairment." Assessment August 23, 2011. (Epub ahead of print).
21. Frewen, P.A.; Dozois, D.J.A.; Neufeld, R.W.J.; Lane, R.D.; Densmore, M.; Stevens, T.K. and Lanius, R.A. "Emotional numbing in PTSD: an fMRI study." Journal of Clinical Psychiatry, 73(4): 431-436, 2012.
22. Frewen, P.A.; Lundberg, E.; Brimson-Théberge, M. and Théberge, J. "Neuroimaging self-esteem: A fMRI Study of Individual Differences in Women." Social Cognitive and Affective Neuroscience. (Epub ahead of print).
23. Han, T.; Alders, G.; Greening, S.G.; Neufeld, R.W.; and Mitchell, D.G.V. "Do fearful eyes activate empathy related brain regions in individuals with callous traits?" Social Cognitive and Affective Neuroscience, (In Press).
24. Järnum, H.; Eskildsen, S.F.; Steffensen, E.G.; Lundbye-Christensen, S.; Simonsen, C.W.; Thomsen, I.S.; Fründ, E.T.; Théberge, J. and Larsson, E.M. "Longitudinal MRI study of cortical thickness, perfusion, and metabolite levels in major depressive disorder." Acta Psychiatrica Scandinavica. 124(6): 435-46, 2011.
25. Jesso, S.; Morlog, D.; Ross, S.; Pell, M.D.; Pasternak, S.; Mitchell, D.G.V.; Kertesz, A. and Finger, E.C. "The Effects of Oxytocin on Social Cognition and Behaviour in Frontotemporal Dementia." Brain, 134: 2493-2501, 2011.

26. Kanju, P.M.; Parameshwaran, K.; Sims-Robinson, C.; Uthayathas, S.; Josephson, E.M.; Rajakumar, N.; Dhanasekaran, M. and Suppiramaniam, V. "Selective cholinergic depletion in medial septum leads to impaired long-term potentiation and glutamatergic synaptic currents in the hippocampus." PLoS One, 7: e31073, 2012.
27. Kluetsch, R.C.; Schmahl, C.; Niedtfeld, I.; Densmore, M.; Calhoun, V.D.; Daniels, J.D.; Kraus, A.; Bohus, M.; and Lanius, R.A. "Alterations in default mode network connectivity during pain processing in borderline personality disorder." Archives of General Psychiatry, 4: 1-11, 2012.
28. Lanius, R.A.; Bluhm, R.L, and Frewen, P.A. "How understanding the neurobiology of complex post-traumatic stress disorder can inform clinical practice: a social cognitive and affective neuroscience approach." Acta Psychiatrica Scandinavica, 124(5): 331-348, 2011.
29. Lanius, R.; Brand, B.L.; Vermetten, E.; Loewenstein, R.J. and Spiegel, D. "Where are we going? An update on assessment, treatment, and research in dissociative disorders as we move towards the DSM-5." Journal of Trauma and Dissociation, 13(1): 9-31, 2012.
30. Lanius, R.A.; Brand, B.; Vermetten, E.; Frewen, P. and Spiegel, D. "The dissociative subtype of posttraumatic stress disorder: rationale, clinical and neurobiological evidence and implications." Depression and Anxiety, (Epub ahead of print).
31. Lanius, R.A.; Brand, B.; Vermetten, E.; Frewen, P. and Spiegel, D. "The dissociative subtype of posttraumatic stress disorder: rationale, clinical and neurobiological evidence and implications." Depression and Anxiety, (Epub ahead of print).
32. Leung, L.S.; Petropoulos, S.; Shen, B.; Luo, T.; Herrick, I.; Rajakumar, N. and Ma, J. "Lesion of cholinergic neurons in nucleus basalis enhances response to general anesthetics." Experimental Neurology, 228: 259-269, 2011.
33. Marshall, H.R.; Stodilka, R.Z.; Théberge, J.; Sabondjian, E.; Legros, A.; Deans, L.; Sykes, J.M.; Thompson, R.T. and Prato, F.S. "A comparison of MR-based attenuation correction in PET versus SPECT." Physics in Medicine and Biology, 56(14): 4613-29, 2011.
34. Marshall, H.R.; Prato, F.S.; Deans, L.; Théberge, J.; Thompson, R.T. and Stodilka, R.Z. "Variable Lung Density Consideration in Attenuation Correction of Whole-Body PET/MRI." Journal of Nuclear Medicine, 53(6): 977-84, 2012.

35. Mickleborough, M.J.; Daniels, J.K.; Coupland, N.J.; Kao, R.; Williamson, P.C.; Schore, A.; Lanius, U.F.; Densmore, M.; Stevens, T. and Lanius, R.A. "The Effects of Trauma-related Cues on Pain Processing in PTSD: A fMRI Investigation." Journal of Psychiatry and Neuroscience, 36: 6-14, 2011.
36. Miller, J.; Drost, D.; Jensen, J.E.; Manchanda, R.; Menon, R.S.; Neufeld, R.W.J.; Rajakumar, N.; Pavlosky, W.; Densmore, M.; Schaefer, B. and Williamson, P.C. "Progressive Membrane Metabolite Changes in First Episode Schizophrenia with High Field Magnetic Resonance Spectroscopy." Psychiatry Research: Neuroimaging, 201: 25-33, 2012.
37. Mitchell, D.G.V. and Greening, S.G. "Conscious perception of emotional stimuli: Brain mechanisms." The Neuroscientist, (Epub ahead of print).
38. Ross, E.; Vingilis, E.; Osuch, E.A. "An engagement and access model for health care delivery to adolescents with mood and anxiety concerns." Early Intervention in Psychiatry, 6: 97-105, 2012.
39. Shaw, J.A.; Matlovich, N.; Rushlow, W.; Cain, P. and Rajakumar, N. "The role of calcineurin in inhibiting disadvantageous associations." Neuroscience, 203: 144-152, 2012.
40. Steuwe, C.; Lanius, R.A. and Frewen, P. "Evidence for a Dissociative Subtype of PTSD by Latent Profile and Confirmatory Factor Analysis in a Civilian Sample." Depression & Anxiety, (In Press).
41. Sutton, L. and Rushlow, W.J. "Regulation of Akt and Wnt signaling by the group II metabotropic glutamate receptor antagonist LY341495 and agonist LY379268." Journal of Neurochemistry, 117: 973-983, 2011.
42. Sutton, L. and Rushlow, W.J. "The dopamine D2 receptor regulates Akt and GSK-3 via Dvl-3." International Journal Neuropsychopharmacology, 22: 1-15, 2011.
43. Sutton, L. and Rushlow, W.J. "The effects of neuropsychiatric drugs on GSK- 3 signaling." Neuroscience, 199: 116-124, 2011.
44. Williamson, P. and Allman, J. "A framework for understanding brain networks in schizophrenia". Frontiers in Human Neuroscience, (In Press).

45. Zhang, L.; Li, C.T.; Su, T.P.; Hu, X.Z.; Lanius, R.A.; Webster, M.J.; Chung, M.Y.; Chen, Y.S.; Bai, Y.M.; Barker, J.L.; Barrett, J.E.; Li, X.X.; Li, H.; Benedek, D.M. and Ursano, R. "P11 Expression and PET in Bipolar Disorders." Journal of Psychiatric Research, 45(11):1426-31, 2011.

Abstracts:

1. Brand, B.; McNary, S.; Myrick, A.; Classen, C.; Lanius, R.A.; Loewenstein, R.; Pain, C. and Putnam, F. "Results of a longitudinal naturalistic study of treatment outcome for patients with dissociative disorders (TOP DD Study)." Symposium – Clinical and Neurobiological Aspects of Complex Trauma Disorders. Presented at the International Society for Traumatic Stress Studies 27th Annual meeting. Baltimore, MD, U.S.A., 2011.
2. Brand, B.; Myrick, A.; Lanius, R.; Pain, C.; McNary, S.; Putnam, F.; Classen, C.; Loewenstein, R. and Engelberg. "Results of a longitudinal naturalistic study of treatment outcome for patients with dissociative disorders (TOP DD Study)." Presented at the International Society for the Study of Trauma and Dissociation 28th Annual Conference. Montreal, Quebec, 2011.
3. Ford, K. A.; Neufeld, R.W.J.; Mitchell, D.; Théberge, J.; Williamson, P.C. and Osuch, E. "Networks of functional brain activation differentiate unipolar major depressive disorder and bipolar disorders." Psychiatry Research Day. University of Western Ontario. London, Ontario, 2011.
4. Ford, K.A.; Bluhm, R.; Williamson, P.C. and Osuch, E. "A Joint Independent Components Analysis of Resting fMRI and White Matter in Depression." International Society for Magnetic Resonance in Medicine Meeting. Montreal, Quebec, 2011.
5. Ford, K.A.; Bluhm, R.; Théberge, J.; Neufeld, R.W.J. and Williamson, P.C. "Multi-modal Analysis of Resting fMRI, Grey Matter and White Matter in Schizophrenia." Society for Biological Psychiatry Meeting. San Francisco, California, U.S.A. 2011.
6. Ford, K.A.; Théberge, J., Neufeld, R.W.J.; Williamson, P.C. and Osuch, E. "Neural Circuitry of Reward Processing in Frequent Marijuana Users Investigated with fMRI." Human Brain Mapping Meeting. Quebec City, 2011.
7. Ford, K.A.; Neufeld, R.W.T.; Mitchell, D.; Théberge, J.; Williamson, P.C. and Osuch, E. "Network of Functional Brain Activation Differentiate Unipolar Major Depressive

Disorder and Bipolar Disorder.” Society for Biological Psychiatry Meeting. Philadelphia, PA, U.S.A. 2012.

8. Forchuk, C.; Reiss, J.; Mitchell, B.; Norman, R.; Osuch, E.; Rudnick, A.; Corring, D.; Godin, M.; Donelle, L.; Neal, D.; Vingillis, E.; Edwards, B.; Osoka, W. and Campbell, R. Mental Health Engagement Network: Connecting Clients with their Health Team. Arthur Labatt Nursing Sigma Theta Tau International. London, Ontario, 2012.
9. Forchuk, C.; Reiss, J.; Mitchell, B.; Norman, R.; Osuch, E.; Rudnick, A.; Corring, D.; Godin, M.; Donelle, L.; Neal, D.; Vingillis, E.; Edwards, B.; Osoka, W. and Campbell, R. Mental Health Engagement Network: Connecting Clients with their Health Team. Annual Regional Mental Health Conference Research Half Day. London, Ontario, 2012.
10. Frewen, P. and Lanius, R.A. “fMRI study of altered self-referential processing in PTSD related to childhood trauma.” Symposium – Clinical and Neurobiological Aspects of Complex Trauma Disorders. Presented at the International Society for Traumatic Stress Studies 27th Annual meeting. Baltimore, MD, U.S.A., 2011.
11. Frewen, P. and Lanius, R.A. “Neuroimaging social emotional processing in PTSD: fMRI study.” Symposium – The Interface Between PTSD and Borderline Personality Disorder – Psychopathology and Treatment. Presented at the International Society for Traumatic Stress Studies 27th Annual meeting. Baltimore, MD, U.S.A., 2011.
12. Gagnon, Y.; Gelman, N. and Théberge, J. “Feasibility of myelin water quantification using gradient echo sampling of spin echoes.” 19th Annual Meeting of the International Society of Magnetic Resonance in Medicine, Montreal, Quebec, 2011.
13. Greening, S.G.; Osuch, E.A.; Williamson, P.C. and Mitchell, D.G.V. “Functional neuroanatomy of emotion regulation in non-medicated individuals with major depression.” Society for Neuroscience, Washington D.C., U.S.A., 2011.
14. Greening, S.G.; Osuch, E.A.; Williamson, P.C. and Mitchell, D.G.V. “Functional neuroanatomy of emotion regulation in non-medicated individuals with major depression.” UWO Psychiatry Research Day, U.W.O., London, Ontario, 2011.
15. Greening, S.G.; Osuch, E.A.; Williamson, P.C. and Mitchell, D.G.V. “Functional neuroanatomy of emotion regulation in non-medicated individuals with major depression.” London Health Research Day, University of Western Ontario, London, Ontario, 2012.

16. Lanius, R.A. "Default network abnormalities in PTSD: a fMRI investigation." Symposium –New Frontiers in PTSD Research: Basic and Applied. Presented at the International Society for Traumatic Stress Studies 27th Annual meeting. Baltimore, MD, U.S.A., 2011.
17. Lanius, R.A. and Frewen, P. "How understanding the neurobiology of complex PTSD can inform clinical practice." Symposium – Clinical and Neurobiological Aspects of Complex Trauma Disorders. Presented at the International Society for Traumatic Stress Studies 27th Annual meeting. Baltimore, MD, U.S.A., 2011.
18. Lanius, R. "Intrinsic network abnormalities in post-traumatic stress disorder." To be presented at the 28th CINP World Congress of Neuropsychopharmacology. Stockholm, Sweden, 2012.
19. Oram Cardy, J.E.; Nicolson, R.; Archibald, J.M.E.; Boehm, J.; Brown, H.E. and Stothers, M.E. "Auditory Integration As a Neural Marker of Language Disorders in ASD." International Meeting for Autism Research, Toronto, Ontario, 2012.
20. Osuch E; Ford K; DePace J; Ross B; Chow M; Wrath A; Bluhm R. "Non-suicidal self-injury in youth and the neurocircuitry of reward-processing and pain: an fMRI study using a painful stimulus." 67th Annual Scientific Convention of the Society of Biological Psychiatry, 2012.
21. Pagani, M.; Nardo, D.; Hogberg, G.; Lanius, R.; Bravo, T.; Jacobsson, H.; Jonsson, C. and Hallstrom, T. "Gray matter volume alterations associated with dissociative traits in PTSD and traumatized controls." 20th European Congress of Psychiatry, Prague, Czech Republic, 2012. Abs Book 102/258.
22. Robertson, J.; Juen, N.; Modolo, J.; Miller, J.; Théberge, J.; Prato, F. and Thomas, A. "Hybrid fMRI/EEG investigation of pulsed magnetic field effects on neuroprocessing". 33rd Annual Bioelectromagnetics Society Meeting, Halifax, Nova Scotia, 2011.
23. Taylor, R.; Williamson, P.C. and Théberge, J. "The dependence of metabolite correlations on the external magnetic field strength." Imaging Network of Ontario Symposium 9th Annual Conference, University of Toronto. Toronto, Ontario, 2011.
24. Taylor, R.; Williamson, P.C. and Théberge, J. "The dependence of metabolite correlations on the external magnetic field strength." Lawson Research Day,

London, Ontario, 2011.

25. Taylor, R.; Williamson, P.C. and Théberge, J. "The Dependence of Metabolite Correlations on the External Magnetic Field Strength." International Society for Magnetic Resonance in Medicine Meeting, Montreal, Quebec, 2011.
26. Taylor, R.; Williamson, P.C. and Théberge, J. "The Influence of Template Metabolite Omissions on ¹H-MRS Quantifications." International Society for Magnetic Resonance Imaging Meeting, Melbourne, Victoria, Australia, 2012.
27. Taylor, R.; Williamson, P.C. and Théberge, J. "Functional MRS in the Anterior Cingulate." International Society for Magnetic Resonance Imaging Meeting, Melbourne, Victoria, Australia, 2012.

Selected Invited Presentations

1. Brand, B.; Lanius, R.A.; Dorahy, M.; Sar, V. and Vermetten, E. (2011). "Where are we going? Current and future research directions in complex trauma and dissociation." (Keynote Presentation). International Society for the Study of Trauma and Dissociation 28th Annual Conference. Montreal, Quebec, November 6, 2011.
2. Lanius, R.A. "The art and science of trauma treatment." (Keynote Speaker). The 10th Annual Attachment-Interpersonal Neurobiology Conference – Healing Moments in Trauma Treatment. UCLA Extension and Lifespan Learning Institute, Los Angeles, California, March 11-13, 2011.
3. Lanius, R.A. "A severe affliction: posttraumatic stress disorder." Senior Alumni Program, The University of Western Ontario, London, Ontario, March 15, 2011.
4. Lanius, R.A. "What clinicians need to know about working with traumatized clients." (Community Education Lecture) Canadian Mental Health Association – London Middlesex Branch, London, Ontario, March 18, 2011.
5. Lanius, R.A. "The neurobiology of emotion and interpersonal dysregulation in survivors of chronic childhood trauma." (Keynote Speaker). Expert Meeting: Etiology and Treatment of PTSD in Adult Survivors of Chronic Childhood Trauma. Netherlands Institute for Advanced Study in the Humanities and Social Sciences, The Netherlands, April 6-10, 2011.

6. Lanius, R.A. "Emotional awareness, self-reflection and the self in complex PTSD: Clinical and neurobiological perspectives." (Keynote Presentation). Trauma and Attachment: Foundations for a Healing Program, 24th Annual Conference of the General Practice Psychotherapy Association, Toronto, Ontario, May, 2011.
7. Lanius, R.A. "The treatment of chronic complex trauma patients." (Workshop Presentation). Trauma and Attachment: Foundations for a Healing Program, 24th Annual Conference of the General Practice Psychotherapy Association, Toronto, Ontario, May, 2011.
8. Lanius, R.A. "The Impact of Early Life Trauma on Health and Disease: The Hidden Epidemic." (Workshop). The 22nd Annual International Trauma Conference, Boston, MA, May 19, 2011.
9. Lanius, R.A. "Self and Consciousness in Trauma Survivors: Experience and Neurobiology." (Workshop). The 22nd Annual International Trauma Conference, Boston, MA, May 20, 2011.
10. Lanius, R.A. "Case for a Dissociative Subtype of PTSD." (Keynote Speaker). Traumatic Stress Section of the Canadian Psychological Association, Annual Meeting, Toronto, Ontario, June, 2011.
11. Lanius, R.A. "The Neurobiology of Complex PTSD" International Conference "Trauma and its consequences: Current state of research on psychotraumatology in medicine and psychology". Department of Psychosomatic Medicine and Psychotherapy, Justus-Liebig University Giessen, Germany, September 1-3, 2011.
12. Lanius, R.A. "Psychosis, Post Traumatic Stress Disorder (PTSD) and Dissociation." (3 lectures). 5th Workshop on CBT Series, Royal Ottawa Health Care Group, Ottawa, Ontario, October 14, 2011.
13. Lanius, R.A. "The Traumatized Brain: How an Understanding of the Biology of Complex PTSD Can Influence Clinical Practice." (Keynote Speaker). Brain, Mind and Body: Trauma, Neurobiology and the Healing Relationship. The 2nd Bi-Annual Conference, London, Ontario, October 2011.
14. Lanius, R.A. "ISTSS Treatment Guidelines for Complex Trauma." (Invited Feature Presentation). International Society for Traumatic Stress Studies 27th Annual Meeting, Baltimore, Maryland, November 5, 2011.

15. Williamson, P.C. "Imaging the Mind and its Disorders: Some Thoughts on Building a Research Centre." Aarhus University, Aalborg, Denmark, 2011.

Peter Williamson, MD, DPsy, FRCP(C)
Chair, Division of Neuropsychiatry
Department of Psychiatry
Tanna Schulich Chair in Neuroscience and Mental Health
Schulich School of Medicine and Dentistry
Western University

Division of Social and Rural Psychiatry



Dr. Abraham Rudnick

Chair

Division of Social and Rural Psychiatry

Department of Psychiatry

Schulich School of Medicine & Dentistry

Western University

1. The Division of Social and Rural Psychiatry (SRP) in the Department of Psychiatry at Western University (Western) was established in May 2008. Since then, an advisory board for the Division has been meeting, with representation from the Department of Psychiatry, other Departments at the Schulich School of Medicine and Dentistry, and other Faculties at Western, specifically the Faculty of Health Sciences, the Faculty of Social Sciences, and the Faculty of Arts and Humanities. The education coordinator for the Division is Dr. Iouri Rybak. The annual visiting scholarship of the Division continued, with Professor Phyllis Solomon from the School of Social Work at the University of Pennsylvania visiting and presenting in November 2011. The honorary professorship of the Division continued, with Dr. Julian Leff from the UK as the inaugural honorary professor (2009-2012). The webpage for the Division is updated continuously. Academic, clinical and administrative success of Division members continued and grew, such as in peer reviewed papers and grants, chapters and books, as well as in education development and implementation and in creative professional initiatives and service such as board memberships. The Division is the primary academic hub for the psychiatric program of ECP (including NOSP), which provides mental health education and some psychiatric service delivery to rural and remote communities in Northern Ontario. The Division is also the primary academic hub for many faculty members who work clinically at RMHC. Hence find below a report on ECP and RMHC. The affiliation of the Division with the Southwestern Ontario Medical Education Network (SWOMEN) was removed in 2012, hence SWOMEN will not be reported on here.

2. The Extended Campus Program (ECP) facilitates Northern Ontario psychiatric education and research and has been directed by the undersigned with administrative support from Ms. Hana Siemiarczuk. It supports quality psychiatric care in under-served Northern Ontario communities through continued recruitment and retention efforts, and is a member of the Ontario Psychiatric Outreach Program (OPOP). The ECP conducted its annual retreat on research and evaluation methodology.

The ECP continued to provide administrative and academic support to a group of Western faculty members providing full time clinical and academic services in Thunder Bay, North Bay, and Sudbury.

Support for psychiatrists providing consultations to the North of Superior Programs (NOSP) sites in Nipigon, Schreiber, Marathon, Manitouwadge, Geraldton and Longlac continued and a total of 24 consulting visit days plus 1 full day and 4 educational half days were provided to these NOSP sites, with residents attending some of them with a consultant and very positive feedback on their learning experience. Additionally, 88 consultation hours via videoconferencing to the NOSP continued, and monthly teleconference indirect consultations to the NOSP clinical staff were initiated and conducted by the Clinical Director of NOSP. Additional funds from the Northwest LIHN's sessional fees were added for the NOSP project in the 2011-2012 fiscal year. NOSP continued to participate in OPOP research related to mental health services in remote communities in Northern Ontario, with the undersigned serving as a co-investigator. The undersigned was replaced by Dr. Giuseppe Guaiana as the Clinical Director of NOSP in 2012.

Other consultants delivered 135 video-consultation hours to Thunder Bay, totaling 223 hours to 7 Northern Ontario sites (Thunderbay and NOSP) via videoconferencing from the Regional Mental Health Care, London.

Opportunities for active participation in Western's Department of Psychiatry CPD events were available for psychiatrists, health care professionals and medical clerks from Health Sciences North – Sudbury, North Bay Regional Health Centre, Lakehead Psychiatric Hospital in Thunder Bay, St. Joseph's Health Centre – Thunder Bay, Thunder Bay Regional Health Sciences Centre and the Sault Area Hospitals in Sault Ste. Marie.

3. Regional Mental Health Care (RMHC) completed divestment to Windsor in 2011 and proceeded with plans for divestment to St Thomas and to Hamilton. Planning continued for the new building. The quality and recovery council proceeded to focus on RMHC-wide initiative with some pilot projects.

I am leaving Western in August 2012 and hence bid you all farewell. I enjoyed my time as this Division's Chair, and I hope I contributed to advancing its mandate. I wish all the best to the new Chair of the Division and to its members, as well as to the rest of the Department.

Respectfully submitted by,

Dr. Abraham Rudnick, MD, PhD, FRCPC
Exiting Chair, Division of Social and Rural Psychiatry
Date: August 15, 2012

Bioethics in the Department of Psychiatry

The Bioethics Program of the Department of Psychiatry at the University of Western Ontario (Western) continues to be a leading academic bioethics program in North American psychiatry. The Bioethics Program promotes teaching, research and development in various ways. In 2011/12, these academic initiatives included:

- The Canadian Unit of the International Network of the UNESCO Chair in Bioethics has focused particularly on postgraduate and continuous professional education, and its head has been Dr. Abraham Rudnick. An advisory board with bioethics and education expertise from across Western and its teaching hospitals as well as from other universities in Canada and from the Canadian Medical Association has supported the unit. The unit's research on postgraduate (residents') psychiatric ethics education was presented at the International Conference on Bioethics Education in Singapore in 2011 and is currently in press. The unit's head is leaving Western in August 2012. The unit's future is to be determined.
- The annual summer bioethics course for the new Western psychiatry residents.
- Quarterly clinical ethics seminars, where junior and senior residents present and discuss ethically challenging cases.
- An annual Departmental Ethics CME/CPD event (addressing bioethics education in January 2012).
- Promotion of quarterly integrated bioethics rounds across the academic mental health care programs at RMHC and LHSC.
- Bioethics research, such as a CIHR-funded study on bioethics consultations, led by Dr. Abraham Rudnick.
- Representation of psychiatry in many relevant bioethics committees and groups in London, such as Western's Health Sciences Research Ethics Board (HSREB), Western's University Council on Research Ethics (Chaired by Dr. Abraham Rudnick in 2009-2011), and more.
- Leadership and presentation in bioethics-related conferences and similar venues, such as panel membership on a regional conference on capacity of patients to make decisions in June 2012.
- Publication of bioethics writings, such as an open access book on bioethics in the 21st century (edited by Dr. Abraham Rudnick and published by InTech - <http://www.intechweb.org/books/show/title/bioethics-in-the-21st-century>).
- Posting of bioethics resources on the Department of Psychiatry's webpage.

Dr. Abraham (Rami) Rudnick, MD, PhD, FRCPC
Exiting Bioethics Director
Department of Psychiatry, Western

Undergraduate Education in Psychiatry



Dr. Sandra Northcott

Director
Undergraduate Education
Department of Psychiatry
Schulich School of Medicine & Dentistry
Western University

The past year has been exciting! In May 2012, the Schulich School of Medicine & Dentistry (Windsor Program) graduated its inaugural class of 24 students. The Windsor Program now offers all four years of undergraduate medical education. Congratulations to the medical students, faculty and support staff who worked so hard to make this happen. The delivery of psychiatry undergraduate education in Windsor would not have been a success without the efforts of Dr John Villela, who organizes Meds 5207 and Dr. Akinlosotu, the undergraduate program director and clerkship coordinator in Windsor.

Dr. Mark Watling continues as the course manager for Medicine 5207, Psychiatry and the Behavioural Sciences, which is delivered in the second year of medical school in both London and Windsor. I would like to acknowledge the hard work of the week captains for this course which include Drs. Sreelatha Varaprvan, Heidi Haensel, Leslie Ritchie and Julie Richard. I would also like to convey my sincere thanks to all the faculty members who participated in the lectures and small group sessions. The course has been very well received and students report that the course has prepared them well for their clinical clerkship.

Dr. Carla Garcia has worked with Dr. Sreelatha Varaprvan to coordinate PCCM (Patient Centred Clinical Methods). The Psychiatry PCCM course, offered in second year, has undergone several successful changes to meet the challenge of being offered before the didactic component of Meds 5207. Significant training of the standardized patients has been put in place and the success of these interventions is confirmed by the positive feedback from students and faculty alike. In addition, efforts have been made to coordinate clinical vignettes with other PCCM courses to highlight objectives that extend across the curriculum. For example, Psychiatry and Geriatrics are working together to develop cases regarding care of the elderly. Future directions include extensive review of the existing objectives to emphasize clarity and concordance with overall course objectives.

In September 2011, Dr. Carla Garcia assumed the role of Clerkship Coordinator. In July of that year the clerkship rotation was rearranged into 3-two week blocks. This evolved as students requested the opportunity to complete a two week selective during their six week

rotation. Child and adolescent interviewing is no longer offered on Wednesday afternoons but Child Psychiatry lectures remain during the Wednesday morning seminar series. All clinical clerks have the opportunity to assess children and adolescents while on call in the ER but students who wish to enhance their clinical exposure can choose to complete a two week selective. Dr Ben Loveday has organized the clinical electives and has provided learning objectives consistent throughout the various sites.

SWOMEN continues to play an integral role in training our clerks. Dr. Ranjith Chandrasena has coordinated the clerkship experience at the various sites. In the last year we had clerks rotate in Chatham, Sarnia, St Thomas and Stratford.

The Wednesday Seminar Series has been updated to reflect changes in identified educational needs, objectives, and to take advantage of the addition of new faculty to our undergraduate education program. The seminar series continues to be teleconferenced to our various SWOMEN sites with Windsor offering an equivalent series. Additionally, the Resident Teaching Series remains one of the most highly rated educational experiences within the clerkship. Thank you to Dr. Michelle Ngo for her significant contribution to the resident seminar series during the past academic year. In the upcoming academic year the resident teaching series will be available to clinical clerks at SWOMEN sites by teleconference.

One objective has been to increase our visibility with first and second year medical students and to encourage clinical electives. A number of faculty provided half day observerships to first and second year medical students throughout the year. On March 26, 2012 we held our first "Taste of Psychiatry Dinner" at Windermere Manor. Thirty-five first and second year medical students were invited to join our faculty and residents to learn about the various clinical and research opportunities within our department. It was an informative and entertaining evening. After taking a brief hiatus, we had a meeting of the Psychiatry Interest Group on April 30, 2012. The group watched the movie *Precious*. Stephanie Rabenstein and Rita Van Meyel discussed the clinical aspects of childhood sexual trauma.

The UGE committee was very excited to see so many Schulich students choose a residency in Psychiatry during the past CaRMS match. In the past academic year we provided fourth year electives to sixteen Schulich students and fifteen visiting elective students.

I would also like to acknowledge the efforts of Ms. Melanie VandenBorre, our undergraduate administrative assistant. Melanie has been indispensable due to her communication and organizational skills.

The success of our undergraduate program reflects the dedication of so many of our interdisciplinary faculty and support staff. It has been very rewarding to work with a group of individuals who are passionate about psychiatry and eager to participate in undergraduate education.

Sandra Northcott, MD, FRCPC

Postgraduate Training Program in Psychiatry



Dr. Volker Hocke

Director
Postgraduate Education
Department of Psychiatry
Schulich School of Medicine & Dentistry
University of Western Ontario

A great thank you to all who have supported our Residency Program over the last academic year. Your support has made the program grow by numbers of residents and academic diversity.

The academic year 2011/2012 has had many changes and challenges which were mastered in collaboration by residents, faculty and the Residency Training Committee (RTC). In April, 2011, all Psychiatry services moved from South Street Hospital to our new facility at Victoria Hospital. The move was well prepared and very smooth. Still, after being at the new campus, many new routines had to be established. Getting keys, access codes, finding office space and new ways of scheduling rooms continue to be a challenging task.

The teaching resources have improved remarkably. We have more teaching rooms available, high-end electronic equipment and improved connections between residents and faculty by now being on one campus for all the major rotations. Having inpatient and outpatient Psychiatry services and our centralized Emergency Psychiatry services in close proximity has eased the organizational difficulties. We are looking forward to having Regional Mental Health move across the street in the next 1-2 years. We anticipate a much higher level of collegial collaboration working closer together.

During the academic year of 2011/2012, many new faculty members joined the Department of Psychiatry. Teaching opportunities for formal teaching, but also for rotational supervision, have grown in diversity.

The biggest challenge we had to master with the move to Victoria Hospital was adapting the call schedule. Through dialogue between faculty and residents, we developed a suitable plan that continued forward during the whole year.

We would all like to thank Dr. Doering who ended her term as the Residency Training Director on June 30, 2011. She had mastered many substantial changes to the program which were necessary after the Royal College specific standards of training changed in 2009. The first class under the new requirements were in PGY 3 year during that academic year.

The development of a new curriculum for the senior residency training was an important task to master in the academic year.

In October, 2011, Dr. Volker Hocke, took on the Residency Training Director position. The Residency Training Committee (RTC) was completely restructured.

In the following months after October, the RTC and the Program Director refined the roles of each Committee member and streamlined work flow and responsibilities. The RTC also included a new position for a Research Coordinator as a new member of the team. The newly composed Residency Training Committee and the new Program Director focused their work for the remainder of the academic year on preparing for the university-wide accreditation of the Residency Program by the Royal College. With the new assigned responsibilities and newly structured portfolios, nearly every aspect of the Program was revisited, evaluated and in many aspects, revamped. It shall be mentioned, as an example, that the whole academic curriculum for the five years was evaluated to assess whether the contents were still appropriate and many new aspects have been added and others taken out of the curriculum. The Training Committee invested great effort in realigning the major topics of lectures with the current rotations. The Training Committee evaluated all policies, made changes and updates where necessary and eliminated those which were outdated and not reflective of the current strategies of the program. The very extensive pre-survey questionnaire was prepared, not only by the members of the RTC, but also by many faculty members who could contribute in their area of expertise to describe our specific training concepts. With an extraordinary effort by all faculty and especially the members of the RTC, the program was well prepared to go into the Accreditation Assessment in the first week of October, 2012.

During the academic year 2011/2012, many of the new faculty members committed to take on portfolios leads and coordinator roles for the RTC. Dr. Kamini Vasudev took on the newly developed Research Coordination and developed a very thorough plan to support the mandated research requirements for our residents. Dr. James Ross took over the Psychotherapy portfolio and has started to structure psychotherapy training in a clear and transparent way. Dr. Karin Kerfoot took over the Evaluation portfolio and developed with her team, new routines of regular evaluations in the Training Programme. The CaRMS portfolio was initially managed by Dr. Leanna Isserlin who prepared the CaRMS match very well during the last year. We were privileged to have all our seven slots filled on the first iteration. Dr. Isserlin left the Department temporarily for a maternity leave. Dr. Hooman Ganjavi took over the PGY 1 Portfolio Lead and mastered the preparation for the orientation phase of the new PGY1 class in a short period of time.

Dr. Jennifer Barr had taken on initially the coordination of the PGY4/5 years. She transformed the PG4/5 years into a very valuable senior resident education. Dr. McCarthy headed the working group on realigning the academic curriculum. Dr. Reiss supported the RTC with the coordination of the PGY2 year and later on took over the curriculum part for that year. As the Site Chief, he also supports the program by organizing the office schedule for the residents. Dr. Patricia Hall and Dr. Jennifer Oates are responsible for the rotational organization of the PGY3 year now including the appropriate set of lectures. Dr. Yuri Rybek joined us in the fall of 2011 as the Coordinator for Rural and Rehabilitation Psychiatry.

With his support, a new lecture series about the severe and persistent mentally ill could be put in place.

The residents are represented at the Residency Training Committee with the Chief Resident and the President of the Resident Association. Also, the COPE representative is a member of the RTC. The residents have provided valuable feedback and are supporting the development of the training with participation in many sub-committees related to training but also to hospital administration.

Eva Adams has continued to be the core administrative personnel for the program. Mostly not noticed from the outside, she is managing a tremendous amount of information on all levels of the Training Program and in each aspect of it. In May, 2012, we finally could expand our administrative support by a half position. This change has made it possible to sort out many flaws in our One45 evaluation system, start compiling teacher evaluations and to develop a data system to track attendance and vacation planning.

In the next academic year, the focus will be on consolidating all the changes that had been made to the program. We also will continue to develop our psychotherapy teaching, our evaluation processes and the senior resident training. The Training Committee will also support all efforts to make the mandatory research requirements a successful part of education for each resident.

The Postgraduate Psychiatry training program has developed very high standards of offering education to our next generations of psychiatrists. The program will continue to be one of highest level psychiatry education programs in the country.

Volker Hocke, MD, FRCPC

Continuing Professional Development



Joint leadership for
Continuing
Education in the
Department of
Psychiatry has
promoted a vision



Dr. Varinder Dua

Dr. Joel Lamoure

This report highlights the educational activities that have been pursued in the Department of Psychiatry between July 2011 and June 2012. It focuses on the monthly Continuing Professional Development events, the weekly Coordinated Professional Development (CPD) activity at the hospitals, special CPD events, and Collaboration with the Canadian Psychiatry Association.

In keeping with a vision of collaboration and partnership, we have endeavored to promote inter-professionalism and ensure that the learning activities provided are evidence-based, balanced and as free of bias as possible. The programs offered through the Department meet the guidelines of the Royal College of Physicians and Surgeons of Canada (RCPSC) and as such, are self-approved group learning activities (Section 1) as defined by the Maintenance of Certification (MOC) program of the RCPSC. Participants at our CPD events are always encouraged to utilize the entire breadth and depth of the Section 2 MOC Program credits offered by the RCPSC to its Fellows so that they can enrich their learning portfolio and provide evidence-based care to their patients. The participants are also encouraged to use the content of the CPD for triggering Personal Learning Projects and to utilize this knowledge in managing their patients. They are also encouraged to use the CPD credits earned from this activity toward their Section MOCOMP Credits.

The Department of Psychiatry and the hospital-based Coordinated CPD Program funds many of the CPD events. However, in some instances, we were successful in obtaining educational grants from the pharmaceutical industry. Educational grants are accepted in accordance with the Association of American Medical Colleges (AAMC) and Western's guidelines related to interaction with industry. In addition, we adhere to the Canadian Medical Association (CMA) Code of Ethics, and the CMA policy "Physicians and the Pharmaceutical Industry" and the RCPSC guidelines that dictate the relationship of pharmaceutical industry to the Universities and Institutes of Learning.

The CPD Executive Committee (Department CPD) and the CPD Committee (Coordinated CPD) are the planning committees that provide input into the CPD programs and direction regarding future programs. Both of these groups are constituted of physicians and allied health professionals.

The monthly CPD programs are being televideo-conferenced to 14 sites and the weekly CPD activities are televideo-conferenced to 7 sites. We continue to utilize the Pre-test and Post-test tools for the participants in our monthly CPD activity for individuals to self-evaluate their knowledge base prior to the CPD activity.

In closing to reflect on this year, we have been fortunate to collaborate with a strong support and administrative team. From Regional Mental Health Care, we'd like to thank Joanne Chapman. From Western University, we'd like to thank Suzy Mendes for providing interim support for the CPD program. And, finally, we'd like to welcome our latest addition, Carissa Peterson who joined us in June as the new Administrative Assistant for the CPD Program in the Department of Psychiatry.

We are pleased to recap all of the CPD events held during this past academic year as follows:

**Continuing Professional Development (CPD)
September 2011 - June 2012**

Monthly Departmental Rounds

The CONTINUING PROFESSIONAL DEVELOPMENT ROUNDS are a self-approved group learning activity (Section 1) as defined by the MAINTENANCE OF CERTIFICATION Program of The Royal College of Physicians and Surgeons of Canada. (2.0 credits)

The Department monthly CPD continued to take place on the 2nd Thursday of the month and we had excellent speakers from within the Department, as well as external (Schulich School of Medicine & Dentistry, and national and international experts in the field) speakers. These were held live at Victoria Hospital, Zone B, 2nd Floor, Auditorium Room 119 (B2-119), 800 Commissioners Road East, London, and Ontario.

The Department's Monthly CPD event held 10 presentations that were well attended. Below is a list of these presentations.

Dates	Speakers	Presentations
Sept 8, 2011	Dr. Marshalyn Yeargin-Allsopp	The Epidemiology of Developmental and Intellectual Disabilities: A Review and Update
Oct 13, 2011	Mr. Joel Lamoure Ms. Jessica Stovel	Beyond the Admission: Multi-Axial Case Reporting and Presentation of Multiple Sclerosis
Nov 10, 2011	Dr. Gary Chaimowitz	The Criminalization of the Mentally Ill
Dec 8, 2011	Dr. Walter Friesen Dr. Noel Laporte Ms. Marianne Larocque Dr. Abraham Rudnick Ms. Nancy Wardrop Dr. Naomi Wiesenthal	Psychotherapy Training and Supervision: Reflections, Challenges, and Opportunities
Jan 12, 2012	Mr. Robert Sibbald	Bioethics Education
Feb 9, 2012	Dr. Paul Links	Future Directions for the Department of Psychiatry
Mar 8, 2012	Dr. Kamini Vasudev	Valproate in Acute Mania: Is Our Practice Evidence-Based
Apr 12, 2012	Dr. Lisa VanBussel Ms. Lori Hassal Ms. Lynn Mellow	The Provincial BSO Strategy: Exciting Times for the Region Responding to the Need: Enhancing Services in London and Middlesex
May 10, 2012	Dr. Sarah Jarmain Dr. Ann Snowdon	The Future of Psychiatrists in Canada Innovations in Health Systems in Canada
June 14, 2012	Dr. Rob Nicolson	Children Presenting with Suspiciousness, Odd Beliefs, Irrational Behaviour and Social Withdrawal: Assessment, Differential Diagnosis and Management

Learning After Five

The LEARNING AFTER FIVE ROUNDS is a self-approved group learning activity (Section 1) as defined by the MAINTENANCE OF CERTIFICATION Program of The Royal College of Physicians and Surgeons of Canada. (2.0 credits)

The Learning After Five events are a forum for physicians, students, and allied health to engage in interactive learning through small group activities. These events generally take place on the third Tuesday of each month at the Best Western Lamplighter Inn and Conference Centre.

Dates	Speakers	Presentations
Sep20, 2011	Dr. Loys Ligate	Motivational Interviewing Skills
Oct 25, 2011	Dr. Robert Teasell	Management of Chronic Pain: Giving In Is Not Giving Up
Nov 28, 2012	Dr. Varinder Dua Mr. Joel Lamoure Ms. Jessica Stovel	Making the Case for Close Scrutiny: ECNP, Psychotropics & Blood Dyscrasias
Dec 13, 2011	Dr. Amresh Srivastava	Newer Targets and Future Antipsychotic Drugs: Neuropeptides and Cannabinoids
Feb 21, 2012	Dr. Varinder Dua Mr. Joel Lamoure	Lithium the 3rd Element: a Panacea or a Curse
Mar 22, 2012	Dr. Robin Emsley	How Can We Meaningfully Improve the Outcome in Schizophrenia
Apr 26, 2012	Dr. Steven Laviolette	The Neurobiology of Addiction: From Nicotine to Heroin
May 15, 2012	Dr. Verinder Sharma	Childbirth and Bipolar: Challenges and Opportunities
June 19, 2012	Dr. Heather Getty	Cognitive Behavioural Treatment of Individuals with Persisting Pain

Weekly Co-Ordinated CPD Monday Rounds

The COORDINATED CPD PROGRAM is an educational opportunity for healthcare professionals at Regional Mental Health Care London, Regional Mental Health Care St. Thomas, and the Mental Health Care Program at London Health Sciences Centre.

The CPD Committee includes representatives of this target audience and is responsible for the planning of the program. The program is self-approved through the Royal College of Physicians and Surgeons of Canada for MAINCERT and approved by Continuing Professional Development, Schulich School of Medicine & Dentistry, Western University for MAINPRO-M1. This is also a self-approved group learning activity (Section 1) as defined by the MAINTENANCE OF CERTIFICATION Program of The Royal College of Physicians and Surgeons of Canada. (1.0 credit) and 1.0 MAINPRO-M1 credits.

The Coordinated CPD Program held 25 presentations from September 1, 2011 to June 30, 2012. These events were held weekly on Mondays from 12:00 – 1:00 pm hosted from the Wickware Amphitheatre at RMHC London. During this year, we continued to use televideo-conferencing to deliver the weekly program to participating sites of RMHC, and by mid-January with a televideo location secured at VH, telecasts resumed to the medical staff at the LHSC Mental Health Care Program.

Dates	Speakers	Presentations
Sep 12, 2011	Dr. Patricia Rosebush	Understanding the Clinical Nature and Pathophysiology of Neuroleptic Malignant Syndrome (NMS)
Sep 19, 2011	Dr. David LeMarquand	Suicide and the Law
Sep 26, 2011	Dr. Isabelle Martin	'Is It All In My Head, Doctor?' - Preoccupation With Bodily Sensations And Symptoms
Oct 03, 2011	Mr. Chris Baron Mr. Christian Daboud Ms. Jodie Gregory	Enabling Patient Recovery Through RMHC's Patient Bill of Rights
Oct 17, 2011	Mr. Chris Baron Mr. John Boc Mr. Bill Hill Rev. Marvin Shank Rev. Stephen Yeo	Fostering Health by Hearing and Bridging Diverse Voices: Personal, Professional, and Spiritual
Oct 24, 2011	Dr. John Craven	An Overview of the SupportNet Health Recovery Program with clinical applications and experience from Clinic 528 in London, Clinic 461 in Woodstock and Clinic 217 in St. Thomas, Ontario
Oct 31, 2011	Dr. Andrew Jones Dr. Allison Meiwald	Medical Clearance of the Psychiatric Patient
Nov 07, 2011	Dr. Joel Shapiro	Attack of the Clones! An Overview of Delusional Misidentification Syndromes
Nov 14, 2011	Dr. Richard Kim	Personalized Medicine and Psychiatry
Nov 21, 2011	Dr. Richard O'Reilly	What Can We Learn from the Clinical History of the Man Who Killed Brian Smith?
Jan 16, 2012	Dr. Christopher Ryan	Psychiatric Issues in Pregnancy: A (Brief) Review
Jan 23, 2012	Dr. Lakshmi Yatham	Mixed States: Advances in Diagnosis and Treatment
Jan 30, 2012	Dr. Amresh Srivastava	Management and Prevention of Suicide During Hospitalization
Feb 06, 2012	Ms. Amanda Porter Ms. Marlene VanLaethem Ms. Kathy White	How Does Contraband Affect You? <i>(Bioethics Rounds)</i>
Feb 13, 2012	Ms. Elizabeth Russell	Bibliotherapy: Therapeutic Use of Literature
Feb 27, 2012	Dr. Maryna Mammoliti	Eating Disorders in the 21st Century: What is the world coming to?
Mar 05, 2012	Ms. Sandy Morton	Partnering with Families: A Model for Better

Dates	Speakers	Presentations
		Outcomes
Mar 19, 2012	Dr. Jennifer Tiffney	An Unusual Parasomnia: Case Discussion
Mar 26, 2012	Dr. David Dawson	The Art of Medicine and the Medicine of Art
Apr 02, 2012	Ms. Linda Vanderkam Ms. April King-Zehr	An Introduction to Montessori-Based Dementia Programming
Apr 16, 2012	Dr. Greg McCarthy	A Quadrant Approach to the Management of Patients with Concurrent Disorders
Apr 23, 2012	Dr. Georges LobaGutierrez	A Brief Overview of Videoconferencing Telepsychiatry
Apr 30, 2012	Dr. Sanjeev Sockalingam	Managing Psychiatric Illness Associated with Hepatitis C
May 07, 2012	Ms. Kristie Clark; Ms. Pam Roe	Nursing Lead, Excel, Advance and Develop: Empowering Frontline Team Members While Changing Practice
May 16, 2012	Professor Sheilagh Hodgins – Keynote: RMHC Research Half Day	Violence Among People with Psychosis: Epidemiology, Aetiology and Treatment

Needs Assessment

In January, we conducted a needs assessment regarding educational activities for future programming. Though there were a low number of respondents, some suggestions for topics and improvement were noted, including an interest in online learning modules, Webinars, and Podcasts.

CPD Evaluation Tool

The final version of the CPD Evaluation Tool was implemented in 2012.

2011-2012 CPD Awards

Best CPD Presentation by a Junior Resident	Dr. Rebecca Tudhope
Best CPD Presentation by a Senior Resident	Dr. Juliana Li
Best CPD Presentation by Junior Faculty	Dr. Kamini Vasudev
Best CPD Presentation by Senior Faculty	Dr. Sarah Jarman

Criteria for Awards

Highest overall average peer and audience evaluations from live site. This is based on the evaluation tools that cover the Guidelines and principles of adult and postgraduate education and in the following areas:

- Overall Presentation Effectiveness
- Content Relevance
- Used Effective Teaching Methods

- Met the Stated Learning Objectives
- Enhanced my Knowledge
- Satisfied my Expectations
- Conveyed Info that Applied to my Practice
- Allocated at least 25% of the Time for Interaction
- Free from Commercial or other Bias

Special Events

• Symposium – November 25th, 2011, Lamplighter Inn ADDICTIONS: A Global Perspective

In partnership with the Department of Psychiatry and the Coordinated CPD Program, the second annual mental health symposium featuring experts in the field of addictions was a success!

The day featured the keynote address, “Addictions: A Global Perspective” by Dr. David Marsh. As well, presentations highlighting translational research with Dr. Steven Laviolette talking about “The Neurobiology of the Reward System”; and Ms. Linda Sibley presenting, “Linkages with Community Addiction Services”.

Participants had the opportunity to attend their top two choices of the four concurrent workshops offered:

- “Overeating and Addiction” (Dr. Marcia Sirota)
- “An Approach to the Management of Concurrent Disorders” (Dr. Greg McCarthy & team members)
- “Practical Aspects of Smoking Cessation” (Ms. Anne Finigan)
- “Spectrum of Problem Gambling” (Ms. Donna Sousa)

Planning committee members were:

- | | |
|-----------------------------|-----------------------|
| • Dr. Varinder Dua, Chair | • Dr. Greg McCarthy |
| • Ms. Sandra Dunbar | • Dr. Mary McDonagh |
| • Dr. Sandra Fisman | • Dr. Jeff Reiss |
| • Dr. Aziz Haque | • Ms. Glenda Shilleto |
| • Ms. Therese Jacob Goldman | • Ms. Leslien Walters |
| • Mr. Joel Lamoure | |

The target audience included mental health professionals (psychiatrists, family physicians, nurses, psychologists, social workers, occupational therapists, pharmacists, residents) across Ontario.

We were at full capacity with 183 registered attendees with approximately 34% providing feedback by completing evaluation forms. Overall, the feedback was quite positive and useful in planning the fall 2012 mental health symposium: “HIV and Mental Health”.

- **Council of Psychiatric Continuing Education (COPCE), CPA**

Our collaboration with the CE Directors from other psychiatry programs across Canada continues. We engage in teleconference meetings and also attend the COPCE meetings twice a year. On October 14, 2011 at the Annual CPA meeting in Vancouver, Dr. Dua presented in a joint workshop presentation with three other CE Directors on “Maximizing Your Use of the New Royal College Maintenance of Certification Program.”


- **9th Annual Medicine Update for Psychiatry**

This annual event is held in collaboration with the CPD office at Western. This year’s event was held at the Convergence Centre on March 31, 2012 and the theme for the day was the interface between Mental Health in the Realm of Uro-gyneacology and Reproduction. The day was a huge success with very robust feedback.

The participants in this activity earned 6.0 credits for the MOC Program and the MAINPRO-M1 program.

Finally we work collaboratively with the Western CPD office and are actively involved in some of the current CPD initiatives and also engage in planning future CPD initiatives/ programs.

The essence of lifelong learning and educational scholarship is the basis for this 2011-2012 annual report, and we will continue to foster this spirit and quest in the future.



Varinder Dua, MD, FRCPC
CPD Director



Joel Lamoure, RPh., DD, FASCP, OSM
Assistant CPD Director

Research in the Department of Psychiatry

Dr. Ross Norman

Professor & Director of Research

The listing of research publications, conference presentations and funding received by members of our Department is appended to this report. It demonstrates the continued research productivity of faculty members and students.

Two Department of Psychiatry seed funding competitions were held during the past 2011-2012 academic year. The following application was successful:

A. Vasudev, K. Shoemaker & D. Mitchell. "Quantifying the ventro medial pre frontal cortex (vMPFC) responsiveness to parasympathetic nervous system (PNS) modifiers in late life depression (LLD)."

The Annual Academic Research Day for the Department of Psychiatry was held on June 21st at the Best Western Lamplighter Inn. The agenda included 15 oral presentations and 26 posters by faculty and students affiliated with the Department. It was fascinating and rewarding to see the range and calibre of research being carried out in our Department. Topics included neuropsychiatry, suicide ideation, mental health issues in homeless youth, physical health in those with severe mental illness, health service delivery, early intervention for psychosis, cognitive aspects of psycho-pathology, stigma of mental illness, psycho-pharmacology and other areas.

Awards for "Best Presentations by Students" were won by Kara Dempster for her talk on "Cerebrovascular risk factors and suicide ideation among older primary care patients" and Yang Ye for his presentation entitled "The effects of negation versus affirmation training on implicit stereotypes and behaviours related to schizophrenia." Kara is a medical student at Western and Yang is a PhD student in the Department of Psychology at Western. I wish to acknowledge the generous support of Astra-Zeneca and its representative, Mr. Ramu Seshan, for providing the student awards.

The award for "Best Poster" went to Andrew McClure for his presentation entitled "Investigating the association between personality characteristics and suicide ideation in community resident older adults." Andrew is a Master's student in the Department of Epidemiology and Biostatistics.

This year's "Tom Hepburn Award" for best presentation by a junior faculty member was awarded to Dr. Jason Carr for his presentation, "Broad and strong improvements in cognitive functioning over the first five years of specialized treatment for first episode psychosis."

The Academic Lecture was given by Dr. Ashok Malla, Professor of Psychiatry at McGill University. Dr. Malla holds a Tier 1 Canada Research Chair in Early Psychosis and is the Director of the Prevention and Early Intervention Program for Psychoses in Montreal. He spoke on the benefits and challenges of integrating research and clinical service. Dr. Malla's presentation was most interesting and particularly timely given our Department's commitment to better integrating our research and clinical endeavours.

The quality of all of the work described was truly impressive, and the Department is indebted to all participants for making it a memorable day. Many thanks to Drs. Paul Links and Richard O'Reilly for their commitment to judging all presentations and posters, and selecting the award winners.

I wish to thank the members of the Department of Psychiatry Research Committee for their efforts during the past year. The members are Drs. Jeff Carter, Deb Corring, Marnin Heisel, Rahul Manchanda, Derek Mitchell, Richard O'Reilly, Abraham Rudnick, Walter Rushlow, Peter Williamson and Arany Shanmugalingam (resident representative).

This really is my last report as Director of Research. I know I've said that before, but this time it's true! The past eleven years that I have filled this role have been interesting, challenging and rewarding. I want to pay particular tribute to Jacqueline DiMattia for the truly outstanding job she has done in providing administrative support to research.

The new Director of Research will be Dr. Marnin Heisel. I know that he will bring great enthusiasm, energy and skill to the role, and will do an excellent job of encouraging and supporting research within the Department.

A handwritten signature in black ink that reads "Ross Norman". The signature is written in a cursive, flowing style.

Ross M.G. Norman, PhD, CPsych
Professor and Director of Research,
Department of Psychiatry
Schulich School of Medicine and Dentistry
Western University

PEER-REVIEWED JOURNAL PUBLICATIONS:

Allen A and **Links PS**. 2012. Aggression in borderline personality disorder: Evidence for increased risk and clinical predictors. *Current Psychiatry Reports* 14(1):62-69.

Armour C, Elhai JD, **Richardson JD**, Ratcliffe K, Wang L and Elklit A. 2012. Assessing a five factor model of PTSD: Is dysphoric arousal a unique PTSD construct showing differential relationships with anxiety and depression? *Journal of Anxiety Disorders* 26(2):368-376.

Benbow S, **Forchuk C** and **Ray SL**. 2011. Mothers with mental illness experiencing homelessness: A critical analysis. *Journal of Psychiatric and Mental Health Nursing* 18(8):687-695.

Beynon CE, **Gutmanis IA**, Tutty LM, Wathen CN and MacMillan HL. 2012. Why physicians and nurses ask (or don't) about partner violence: A qualitative analysis. *BCM Public Health* 12:473.

Bluhm RL, Clark RD, McFarlane AC, Moores KA, Shaw ME and **Lanius RA**. 2011. Default network connectivity during a working memory task. *Brain Mapping* 32(7):1029-1035.

Bluhm RL, **Frewen PA**, Coupland NC, Densmore M, Schore AN and **Lanius RA**. In press. Neural correlates of self-reflection in posttraumatic stress disorder. *Acta Psychiatrica Scandinavica*

Brand BL, McNary SW, Myrick AC, Classen CC, **Lanius R**, Loewenstein RJ, Pain C and Putnam FW. In press. A longitudinal naturalistic study of patients with dissociative disorder treated by community clinicians. *Psychological Trauma: Theory, Research, Practice & Policy*.

Brand BL, Myrick AC, Loewenstein RJ, Classen CC, **Lanius R**, McNary SW, Pain C and Putnam FW. In press. A survey of practices and recommended treatment interventions among expert therapists treating patients with dissociative disorder and dissociative disorder not otherwise specified. *Psychological Trauma: Theory, Research, Practice & Policy*.

Colloby SJ, Firbank MJ, He J, Thomas AJ, **Vasudev A**, Parry SW and O'Brien JT. 2012. Regional cerebral blood flow in late-life depression: Arterial spin labelling magnetic resonance study. *British Journal of Psychiatry* 200(2):150-155.

Colloby SJ, Firbank MJ, Thomas AJ, **Vasudev A**, Parry SW and O'Brien JT. 2011. White matter changes in late-life depression: A diffusion tensor imaging study. *Journal of Affective Disorders* 135(1-3):216-220.

Colloby SJ, Firbank MJ, **Vasudev A**, Parry SW, Thomas AJ and O'Brien JT. 2011. Cortical thickness and VBM-DARTEL in late-life depression. *Journal of Affective Disorders* 133(1-2):158-164.

Colloby SJ, **Vasudev A**, O'Brien JT, Firbank MJ, Parry SW and Thomas AJ. 2011. Relationship of orthostatic blood pressure to white matter hyperintensities and subcortical volumes in late-life depression. *British Journal of Psychiatry* 199(5):404-410.

Corring D, **Campbell R** and **Rudnick A**. 2012. A smart apartment for psychiatric inpatients. *Psychiatric Services* 63:508.

Corring D, Lundberg E, **Campbell R** and **Rudnick A**. 2012. Using SMART technology in a simulated apartment with tertiary care inpatients: A feasibility and exploratory study. *Psychiatric Services* 63(5)

Corring D, Lundberg E and **Rudnick A**. In press. Therapeutic horseback riding for ACT patients with schizophrenia. *Community Mental Health Journal*

Covin R, **Dozois DJA**, Ogniewicz A and Seeds PM. 2011. Measuring cognitive errors: Initial development of the Cognitive Distortions Scale (CDS). *International Journal of Cognitive Therapy* 4:297-322.

Cox L, Kloseck M, Crilly R, McWilliam C and **Diachun L**. 2011. The under-representation of individuals 80 years of age and older in chronic disease clinical practice guidelines: Implications for the future. *Canadian Family Physician* 57:263-269.

Creamer MC, Varker T, Bisson J, Darte K, Greenberg N, Lau W, Moreton G, O'Donnell M, **Richardson JD**, Ruzek J, Watson P and Forbes D. 2011. Guidelines for peer support in high-risk organizations: An International Consensus Study using the Delphi Method. *Journal of Traumatic Stress* 25(2):134-141.

Cutcliffe J, **Links PS**, Harder HG, Bergmans Y, Balderson K, Eynan R, Ambreen M and Nisenbaum R. 2012. Understanding the risks of recent discharge: The phenomenological experiences trying to survive while living under the proverbial "Sword of Damocles". *Crisis: The Journal of Crisis Intervention and Suicide Prevention* 33(5):265-272.

Cutcliffe JR, **Links PS**, Harder HG, Balderson K, Bergmans Y, Eynan R, Ambreen M and Nisenbaum R. 2012. Understanding the risks of recent discharge: The phenomenological lived experiences -- "existential angst at the prospect of discharge". *Crisis* 33(1):21-29.

Dalenberg CA, **Frewen PA**, Carlson E and Spiegel D. 2012. Comparison of the trauma and fantasy models of dissociation. *Psychological Bulletin* 138:550-588.

Daniels J, Hegadoren K, Coupland NC, **Neufeld R** and **Lanius R**. 2012. Neural and behavioral correlates of peritraumatic dissociation in an acutely traumatized sample. *Journal of Clinical Psychiatry* 73(4):420-426.

Daniels JK, Bluhm RL and **Lanius RA**. In press. Intrinsic network abnormalities in posttraumatic stress disorder: Research directions for the next decade. *Psychological Trauma: Theory, Research, Practice & Policy*.

Daniels JK, Hegadoren K, Coupland NJ, Rowe BH, Densmore M, **Neufeld RWJ** and **Lanius RA**. 2011. Cognitive distortions in an acutely traumatized sample: An investigation of predictive power and neural correlates. *Psychological Medicine*. 41(10):2149-2157.

Daniels JK, Hegadoren K, Coupland NJ, Rowe BH, Densmore M, Neufeld WJ and **Lanius RA**. 2012. Neural correlates and predictive power of trait resilience in an acutely traumatized sample: A pilot investigation. *Journal of Clinical Psychiatry* 73(3):327-332.

Delisle VC, Abbey SE, Beck AT, Dobson KS, **Dozois DJA**, Grace SL, Stewart DE, Ziegelstein RC and Thombs BD. In press. The influence of somatic symptoms on Beck Depression Inventory scores in patients hospitalized with post-myocardial infarction. *Canadian Journal of Psychiatry*

Delisle VC, Beck AT, Dobson KS, **Dozois DJA** and Thombs BD. In press. Revisiting gender differences in somatic symptoms of depression: Much ado about nothing? *PLoS ONE*

den Dunnen W, St. Pierre J, **Stewart SL**, Johnson A, Cook S and Leschied AW. 2012. Predicting residential treatment outcomes for emotionally and behaviorally disordered youth: The role of pretreatment factors. *Journal of Residential Treatment for Children and Youth* 29(1):13-31.

Diachun L, Charise A and Lingard L. 2012. Old News: Why the ninety-year crisis in medical elder care? *Journal of the American Geriatric Society* 60:1357-1360.

Diachun L, Klages KB, Hansen KT, Blake K and Gordon J. In press. Comprehensive Geriatric Assessment Guide: An exploratory analysis of a medical trainee performance evaluation tool. *Academic Medicine*

Dozois DJA, **Eichstedt J**, **Collins KA**, **Phoenix L** and Harris K. 2012. Core beliefs, self-perception, and cognitive organization in depressed adolescents. *International Journal of Cognitive Therapy* 5(1):99-112.

Dozois DJA, Martin RA and Faulkner B. In press. Early maladaptive schemas, styles of humor and aggression. *Humour: International Journal of Humour Research*.

Edmunds K, Breman H, Basok T, Ford-Gilboe M and **Forchuk C**. 2011. The health of women temporary agricultural workers in Canada: A critical review of the literature. *Canadian Journal of Nursing Research* 43(4):68-91.

Engdahl RM, Elhai JD, **Richardson JD** and Frueh BC. 2011. Comparing posttraumatic stress disorder's symptom structure between deployed and non-deployed veterans. *Psychological Assessment* 23:1-6.

Epp AM, Dobson KS, **Dozois DJA** and **Frewen PA**. 2012. A systematic meta-analysis of the Stroop task in depression. *Clinical Psychology Review*. 32:316-328.

Evraire LE and **Dozois DJA**. 2011. An integrative model of excessive reassurance seeking and negative feedback seeking in the development and maintenance of depression. *Clinical Psychology Review*. 31(8):1291-1303.

Fang L, **Heisel MJ**, Duberstein PR and Zhang J. 2012. Combined effects of neuroticism and extraversion: Findings from a matched case control study of suicide in rural China. *Journal of Nervous and Mental Disease* 200:598-602.

Frewen PA, Allen SA, **Lanius RA** and **Neufeld RWJ**. In press. Perceived causal relations: Novel methodology for assessing client attributions about causal associations between variables including symptoms and functional impairment. *Assessment*.

Frewen PA, Dean J and **Lanius RA**. In press. Hedonic deficit versus affective interference. II: History of childhood emotional and sexual abuse predicts negative affect in response to pleasant events. *European Journal of Psychotraumatology*.

Frewen PA, Dean JA and **Lanius RA**. 2012. Assessment of anhedonia in psychological trauma: Development of the Hedonic Deficit and Interference Scale. *European Journal of Psychotraumatology* 3:Special Section p 1-6.

Frewen PA, **Dozois DJA**, Densmore M, Stevens TK and **Lanius RA**. 2011. Self-referential processing in women with PTSD: Affective and neural response. *Psychological Trauma: Theory, Research, Practice & Policy*. 3(4):318-328.

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Frewen PA, **Dozois DJA**, **Neufeld RWJ**, Lane RD, Densmore M, Stevens TK and **Lanius RA**. 2012. Emotional numbing in PTSD: An fMRI study. *Journal of Clinical Psychiatry* 73(4):431-436.

Frewen PA, **Dozois DJA**, **Neufeld RWJ** and **Lanius RA**. In press. Disturbances of emotional awareness and expression in PTSD: Meta-mood, emotion regulation, mindfulness, and interference of emotional expressiveness. *Psychological Trauma: Theory, Research, Practice & Policy*. 4(2):152-161.

- Frewen PA** and Lundberg E. 2012. Visual-verbal self/other-referential processing task: Direct vs indirect assessment, valence, and experiential correlates. *Personality & Individual Differences* 52:509-514.
- Frewen PA**, Lundberg E, Brimson-Théberge M and Théberge J. In press. Neuroimaging self-esteem: A fMRI study of individual differences in women. *Social Cognitive & Affective Neuroscience*.
- Gale C and **Guaiana G**. In press. Benzodiazepines in generalized anxiety disorder [protocol]. *Cochrane Database of Systematic Reviews*.
- Goldman DL**. 2012. Theatre and anti-theatre of the mouth, part two: Psychotic glossolalia. *Canadian Journal of Psychoanalysis* 18(1):85-113.
- Guaiana G**. 2011. Suicides, attempted suicides and admissions for depression in Ticino Canton (Switzerland) 2000-2007. *Minerva Psichiatrica* 52(2):101-106.
- Guaiana G**, Andretta M, Griez E, Biancosino B and Grassi L. 2011. Sales of antidepressants, suicides and hospital admissions for depression in Veneto Region (Italy) from 2000 to 2005: An ecological study. *Annals of General Psychiatry* 10(1):24.
- Guaiana G**, Morelli AC and Chiodo D. 2012. Cognitive behavioral therapy (group) for schizophrenia [protocol]. *Cochrane Database of Systematic Reviews*.
- Gupta MA** and Gupta AK. 2012. Chronic idiopathic urticaria and post-traumatic stress disorder (PTSD): An under-recognized comorbidity. *Clinics in Dermatology* 30(3):351-354.
- Guzman MS, De Jaeger X, Raulic S, Souza IA, Li AX, Schmid S, Menon RS, Gainetdinov RR, Caron MG, **Bartha R**, Prado VF and Prado MA. 2011. Elimination of the vesicular acetylcholine transporter in the striatum reveals regulation of behaviour by cholinergic-glutamatergic co-transmission. *PLoS Biology* 9(11)
- Hamza CA, **Stewart SL** and Willoughby T. 2012. Examining the link between nonsuicidal self-injury and suicidal behavior: A review of the literature and an integrated model. *Clinical Psychology Review*. 32:482-495.
- Han T, Alders G, Greening SG, **Neufeld RW** and **Mitchell DGV**. In press. Do fearful eyes activate empathy-related brain regions in individuals with callous traits? *Social Cognitive and Affective Neuroscience*.
- Jansen L, McWilliam C, Forbes D and **Forchuk C**. 2012. Knowledge translation for in-home continence promotion techniques. *Gerontechnology* 11(20):410.

- Jesso S, Morlog D, Ross S, Pell MD, Pasternak S, **Mitchell DGV**, Kertesz A and Finger EC. 2011. The effects of oxytocin on social cognition and behaviour in frontotemporal dementia. *Brain* 134:2493-2501.
- Keyfitz L, Lumley MN, Hennig KH and **Dozois DJA**. In press. The role of positive schemas in child psychopathology and resilience. *Cognitive Therapy and Research*.
- King RR** and **Reiss JP**. 2012. Treatment of pseudobulbar affect (PBA) with citalopram in a case of progressive multifocal leukoencephalopathy (PML). *Journal of Clinical Neuroscience* 19(1):185-186.
- Kluetsch RC, Schmahl C, Niedtfeld I, Densmore M, Calhoun VD, Daniels JD, Kraus A, Bohus M and **Lanius RA**. In press. Alterations in default mode network connectivity during pain processing in borderline personality disorder. *Archives of General Psychiatry*.
- Kowalczyk I, Duggal N and **Bartha R**. 2012. Proton magnetic resonance spectroscopy of the motor cortex in cervical myelopathy. *Brain* 135 (pt.2):461-468.
- Kral MJ, **Links PS** and Bergmans Y. 2012. Suicide studies and the need for mixed methods research. *Journal of Mixed Methods Research* 6:236-249.
- Lamoure J** and **Stovel J**. 2011. A pharmacist's overview of alcohol dependence. *Pharmacy Practice* 27(8):CE1-10.
- Lanius R**, Brand BL, Vermetten E, Loewenstein RJ and Spiegel D. 2012. Where are we going? An update on assessment, treatment, and research in dissociative disorders as we move towards the DSM-5. *Journal of Trauma and Dissociation* 13(1):9-31.
- Lanius RA**, Bluhm RL and **Frewen PA**. 2011. How understanding the neurobiology of complex post-traumatic stress disorder can inform clinical practice: A social cognitive and affective neuroscience approach. *Acta Psychiatrica Scandinavica* 124(5):331-348.
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- Leris J, **Links PS**, van Reekum R, Tannock R and Toplak M. 2012. Executive function and suicidal risk in women with borderline personality disorder. *Psychiatry Research* 196(1):101-108.
- Levy LR, Yao W, McGuire G, Vollick DN, Jetté J, Shanahan MJ, Hay J and **Neufeld RWJ**. In press. Nonlinear bifurcations of psychological stress negotiation: New properties of a formal dynamic model. *Nonlinear Dynamics, Psychology and Life Sciences*.

- Links PS**, Nisenbaum R, Ambreen M, Balderson K, Bergmans Y, Eynan R, Harder HG and Cutcliffe J. 2012. Prospective study of risk factors for increased suicide. *General Hospital Psychiatry* 34(1):88-97.
- Lumley MN, **Dozois DJA**, Hennig K and Marsh A. In press. Cognitive organization, perceptions of parenting and depression symptoms in early adolescence. *Cognitive Therapy and Research*.
- McDonald P, Castellani C, **O'Reilly R** and Singh S. In press. CNV analysis of monozygotic twins discordant for schizophrenia.
- McMain SF, Guimond T, Streiner DL, Cardish RJ and **Links PS**. 2012. Dialectical behavior therapy compared with general psychiatric management for borderline personality disorder: Clinical outcomes and functioning over a 2-year follow-up. *American Journal of Psychiatry* 169(6):650-661.
- Miller J, Drost D, **Neufeld RWJ**, Jensen JE, **Manchanda R**, **Northcott S**, **Rajakumar N**, Pavlosky W, Densmore M, Schaefer B and **Williamson PC**. 2012. Progressive membrane phospholipid changes in first episode schizophrenia with high field magnetic resonance spectroscopy. *Psychiatry Research: Neuroimaging* 201(1):25-33.
- Milne M, Chicas K, Li A, **Bartha R** and Hudson RHE. 2012. ParaCEST MRI contrast agents capable of derivatization via "Click" chemistry. *Organic & Molecular Chemistry* 10(2):287-292.
- Mitchell DGV** and Greening SG. 2012. Conscious perception of emotional stimuli: Brain mechanisms. *The Neuroscientist* 18(4):386-398.
- Montero-Odasso M, Annweiler C, Hachinski V, Islam A, Toma N and **Vasudev A**. In press. Vascular burden predicts gait, mood and executive function disturbances amongst seniors with MCI. Results from the "Gait and Brain Study". *Journal of the American Geriatric Society*.
- Nelson C, Cyr KS, Corbett B, Hurley E, Gifford S, Elhai JD and **Richardson JD**. 2011. Predictors of posttraumatic stress disorder, depression, and suicidal ideation among Canadian Forces personnel in a National Canadian Military Health Survey. *Journal of Psychiatric Research* 45(11):1483-1488.
- Norman RMG**, **Manchanda R**, Windell D, **Harricharan R**, **Northcott S** and Hassall L. 2012. The role of treatment delay in predicting five-year outcomes in an early prevention program. *Psychological Medicine*. 42(2):223-233.
- Norman RMG**, Windell D, Lynch J and **Manchanda R**. 2011. Parsing the relationship of stigma and insight to psychological well-being in psychotic disorders. *Schizophrenia Research* 133(1-3):3-7.

Norman RMG, Windell D, Lynch J and **Manchanda R**. 2012. Perceived relational evaluation as a predictor of self-esteem and mood in individuals with a psychotic disorder. *Canadian Journal of Psychiatry* 57(5):309-316.

Norman RMG, Windell D, Lynch J and **Manchanda R**. In press. Correlates of subjective recovery in an early intervention program for psychoses. *Early Intervention in Psychiatry*.

Norman RMG, Windell D and **Manchanda R**. 2012. Examining differences in the stigma of depression and schizophrenia. *International Journal of Social Psychiatry*. 58(1):69-78.

Norman RMG, Windell D, **Manchanda R**, **Harricharan R** and **Northcott S**. In press. Social support and functional outcomes in an early intervention program. *Schizophrenia Research*.

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Fogarty J, Regan B, Clement S, Kerr M, **Gutmanis I** and McCarthy E. "Grey Matters" - Preliminary results of a memory education and training program for community-dwelling adults with memory concerns. *2012 Rotman/KLAERU Conference on Mild Cognitive Impairment*. Toronto, ON. March 27, 2012.

Forchuk C. Service preferences of homeless youth with mental illness: Housing first, treatment first, or both together. *3rd Schizophrenia International Research Society Conference*. Florence, Italy. April 14-18, 2012.

Forchuk C. Mental health and homelessness. *Homelessness Partnering Strategy Forum*. Toronto, ON. February 1, 2012.

Forchuk C. Mental health crisis services and police: A comparative approach to evaluation. *32nd International Congress of Law and Mental Health*. Berlin, Germany. July 17-23, 2011.

Forchuk C and **Rudnick, A**. Service preferences of homeless youth with mental illness: Housing first, treatment first, or both together. *Symposium on Substance Abuse Prevention and Treatment for Vulnerable Youth*. Toronto, ON. March 8-9, 2012.

Forchuk C. Service preferences of homeless youth with mental illness: Housing first, treatment first, or both together. *Child and Youth Mental Health Matters Conference 2012*. Vancouver, BC. May 6-8, 2012.

Forchuk C. Changing it up: New frontiers of nursing research. *Canadian Association of Schools of Nursing 2012 Nursing Research Conference*. Toronto, ON. May 7-9, 2012.

Forchuk C. Service preferences of homeless youth with mental illness: Housing first, treatment first, or both together. *6th National Community Health Nurse Conference*. Toronto, ON. May 14-15, 2012.

Forchuk C. Poverty and mental health issues, challenges, and solutions. *6th National Community Health Nurse Conference* Toronto, ON. May 14-16, 2012.

Forchuk C. Service preferences of homeless youth with mental illness: Housing first, treatment first or both together. *1st European Conference of Mental Health Nursing*. Helsinki, Finland. May 23-25, 2012.

Forchuk C. Mental health engagement network: Connecting clients with their health team. *LARIA-Smart 2012*. Stuttgart, Germany. May 27-June 1, 2012.

Forchuk C. Service preferences of homeless youth with mental illness: Housing first, treatment first, or both together. *Without a Home, Research Symposium on Contemporary Issues in Canadian Homelessness*. Toronto, ON. October 6, 2011.

Forchuk C. Service preferences of homeless youth with mental illness: Housing first, treatment first, or both together. *5th National Mental Health Nurses Conference*. Toronto, ON. October 26-28, 2011.

Forchuk C. Poverty and mental health: Issues, challenges and solutions. *5th National Mental Health Nurses Conference*. Toronto, ON. October 26-28, 2011.

Forchuk C and Edwards B. An introduction to homelessness, housing and mental health: Finding truths - creating change. *National Housing Research Committee*. Ottawa, ON. November 7-9, 2011.

Forchuk C, Edwards B, Kelly CM and Osaka W. The tornado of mental illness: A dramatic interpretation. *National Housing Research Committee*. Ottawa, ON. November 7-9, 2011.

Ford KA, **Neufeld RWJ**, **Mitchell D**, **Théberge J**, **Williamson PC** and **Osuch E**. Network of function brain activation differentiate unipolar major depressive disorder and bipolar disorder. *Society for Biological Psychiatry Meeting*. Philadelphia, PA. May 3-5, 2012.

Frewen P and **Lanius RA**. Neuroimaging social emotional processing in PTSD: fMRI study. (Symposium - The Interface Between PTSD and Borderline Personality Disorder: Psychopathology and Treatment). *Presented at the 27th Annual Meeting of the International Society for Traumatic Stress Studies*. Baltimore, MD. November 3-5, 2011.

Frewen PA and **Lanius RA**. fMRI study of altered self-referential processing in PTSD related to childhood trauma. *27th Annual Meeting of the International Society for Traumatic Stress Studies*. Baltimore, MD. November 3-5, 2011.

Gagnon G, **Fogarty J**, Woolmore-Goodwin SM, Wells JL, Borrie M and **Gutmanis I**. Correcting for education when using the Montreal Cognitive Assessment (MoCA): Effect on sensitivity and specificity. *Canadian Conference on Dementia*. Montreal, QC. October 27-29, 2011.

Gagnon G, **Fogarty J**, Woolmore-Goodwin SM, Wells JL, Borrie M and **Gutmanis I**. Sensitivity and specificity of the Montreal Cognitive Assessment (MoCA) in a population of patients with early Alzheimer's disease (AD): A preliminary report. *Canadian Conference on Dementia*. Montreal, QC. October 27-29, 2011.

Gray JE, McSherry BM and **O'Reilly R**. Canadian and Australian involuntary treatment refusal laws compared. *32nd International Congress on Law and Mental Health*. Berlin, Germany. July 17-23, 2011.

Greening SG, **Osuch E**, **Williamson PC** and **Mitchell DGV**. Functional neuroanatomy of emotion regulation in non-medicated individuals with major depression. *Society for Neuroscience Meeting*. Washington, DC. November 12-16, 2011.

Gupta MA. Isolated sleep paralysis (ISP) and chronic posttraumatic stress disorder (PTSD): Possible manifestation of autonomic nervous system (ANS) dysregulation and regulatory effect of sleep on high sympathetic tone during wakefulness. *SLEEP 2012, 26th Annual Meeting of the Associated Professional Sleep Societies*. Boston, MA. June 9-13, 2012. [Abstracted in *SLEEP* 35:A334].

Gupta MA. Prior sleep deprivation may be associated with distorted/delusional memories of the traumatic event in motor vehicle accident (MVA)-related posttraumatic stress disorder (PTSD). *SLEEP 2012, 26th Annual Meeting of the Associated Professional Sleep Societies*. Boston, MA. June 9-13, 2012. [Abstracted in *SLEEP* 35:A337].

Gupta MA, Gupta AK and Fink N. Use of psychotropic drugs in a nationally representative sample of dermatology patients (ICD9CM codes 680-709) without psychiatric or other comorbidities. *70th Annual Meeting of the American Academy of Dermatology*. San Diego, CA. March 16-20, 2012. [Abstracted in the *Journal of the American Academy of Dermatology* (2012) 66:4].

Gupta MA, Gupta AK and Vujcic B. Comorbidity of acne with attention deficit hyperactivity disorder (ADHD): Results from a nationally representative sample of 5240 patient visits for acne from 1995 to 2008. *70th Annual Meeting of the American Academy of Dermatology*. San Diego, CA. March 16-20, 2012. [Abstracted in the *Journal of the American Academy of Dermatology* (2012) 66:4].

Gurrera RJ, **Cernovsky ZZ** and Velamoor V. A validation study of the International Consensus for N.M.S. Diagnostic Criteria. *67th Annual Meeting of the Society of Biological Psychiatry*. Philadelphia, PA. May 3-5, 2012.

Hall L, Newton Mathur D, Montgomery P, Benbow S and **Forchuk C**. Nursing self and others in a hostile environment: Stories told by aboriginal women in shelter services. *Faculty of Professional School Scholarship Showcase Conference*. Sudbury, ON. December 13, 2011.

Heisel MJ. Assessing experienced meaning in life among older adults: The development and initial validation of the EMIL. *2012 Conference of the Viktor Frankl Institute of Logotherapy, Vienna Medical School*. Vienna, Austria. March 17, 2012.

Heisel MJ. The role of meaning in life in promoting psychological resiliency to suicide risk among older adults (Invited public lecture). *School of Psychology, University of Ottawa*. Ottawa, ON. May 25, 2012.

Heisel MJ. The role of meaning in life in enhancing psychological resiliency and well-being and contributing to healthy aging (Invited Keynote Address). *2011 Annual Geriatric Psychiatry Symposium, Geriatric Psychiatry Division of the Department of Psychiatry, Western University*. London, ON. November 2, 2011.

Heisel MJ. Suicide prevention among older adults: Reviewing clinical community, and public health approaches (Invited Keynote Address). *Annual Fall Forum of the Suicide Prevention Network of Haldimand-Norfold*. Simcoe, ON. October 13, 2011.

Heisel MJ. Preventing suicide in later life: Challenges, approaches and opportunities (Invited Keynote Address). *North East Geriatric Care Conference 2011*. Sudbury, ON. September 22, 2011.

Heisel MJ, Bowman J, Moore S and Wilson K. Evaluating the Canadian Coalition for Seniors' Mental Health Late-Life Suicide Prevention Knowledge Translation Project. *Annual Scientific Meeting of the International Society for Affective Disorders, Royal College of Physicians*. London, UK. April 19, 2012.

Heisel MJ, Bowman J, Moore SL and Wilson K. Utilizing knowledge translation to reduce suicide risk among older adults: Findings from the Canadian Coalition for Seniors' Mental Health Late-Life Suicide Prevention Knowledge Translation Project. *2012 Annual Convention of the Canadian Psychological Association*. Halifax, NS. June 16, 2012.

Heisel MJ, Bowman J, Moore SL and Wilson K. Utilizing knowledge translation to reduce risk for suicide among older adults: Evaluating the Canadian Coalition for Seniors' Mental Health Late-Life Suicide Prevention Knowledge Translation Project. *Suicide Prevention Think-tank hosted by the Canadian Institutes of Health Research, the Mental Health Commission of Canada and the Canadian Association for Suicide Prevention*. Ottawa, ON. May 1, 2012.

Heisel MJ, Bowman J, Moore SL and Wilson K. Utilizing knowledge translation to reduce risk for suicide among older adults: Evaluating the Canadian Coalition for Seniors' Mental Health Late-Life Suicide Prevention Knowledge Translation Project. *Scientific Conference of the St. Michael's Hospital Mental Health Service and the Arthur Sommer Rotenberg Chair in Suicide Studies*. Toronto, ON. November 17, 2011.

Heisel MJ, Bowman JC, Moore S and Wilson K. Utilizing knowledge translation to reduce risk for suicide among older adults: Evaluating the Canadian Coalition for Seniors' Mental Health Late-Life Suicide Prevention Knowledge Translation Project. *2012 Scientific Conference of the Viktor Frankl Institute of Logotherapy, Vienna Medical Society*. Vienna, Austria. March 18, 2012.

Heisel MJ, Donnelly M and Moore SL. Suicide prevention among older adults: Enhancing risk assessment and care provision with the Canadian Coalition for Seniors' Mental Health Late-Life Suicide Prevention Knowledge Translation Tools [Workshop]. *2011 National Conference of the Canadian Association for Suicide Prevention*. Vancouver, BC. October 3, 2011.

Heisel MJ and Flett GL. Screening for suicide risk among older adults: The development and validation of the Brief Geriatric Suicide Ideation Scale and the GSIS Screen. *Annual Scientific Meeting of the International Society for Affective Disorders, Royal College of Physicians*. London, UK. April 19, 2012.

Heisel MJ and Flett GL. The role of meaning in life in promoting resilience to late-life suicide ideation. *Annual Scientific Meeting of The International Society for Affective Disorders, Royal College of Physicians* London, UK. April 19, 2012.

Heisel MJ and Flett GL. The role of meaning in life in promoting resilience to late-life suicide ideation. *2011 Annual Convention of the American Psychological Association*. Washington, DC. August 6, 2011.

Heisel MJ and Flett GL. Is it better to look good or to feel good? Investigating associations among subjective, apparent, and chronological age and suicide ideation. *2011 Annual Convention of the American Psychological Association*. Washington, DC. August 7, 2011.

Heisel MJ and Flett GL. Screening for suicide ideation among older adults: The development and initial validation of abbreviated versions of the Geriatric Suicide Ideation Scale. *2012 Annual Convention of the Canadian Psychological Association*. Halifax, NS. June 16, 2012.

Hocke G, Sibbalt R, Hardingham L and **Hocke V**. Ethics in mental health: Comparison of law and practise in Ontario and Germany. *XXXII International Congress of Law and Mental Health*. Berlin, Germany. July 20, 2011.

Hurtubise M, **Carter J** and Whitman S. Evaluation initiatives and a community-based day treatment program. *Canadian Evaluation Society*. Halifax, NS. May 2012.

Jansen L, McWilliam C, Forbes D and **Forchuk C**. Knowledge translation for in-home continence promotion techniques. *8th World Conference of the International Society for Gerontechnology*. Eindhoven, Holland. June 26-29, 2012.

Jansen L, McWilliam C, Forbes D and **Forchuk C**. Knowledge in action: Translating through relating. *Saskatchewan Registered Nurses' Association Annual Meeting and Conference: Be the Voice - Quality and Patient Safety*. Regina, SK. May 3, 2012.

Kalia K, **Corring D**, **Subramanian P** and **Rudnick A**. Establishing a recovery-oriented milieu in a tertiary mental health inpatient unit. *Canadian Federation for Mental Health Nursing Conference*. Toronto, ON. October 26-28, 2011.

Karira A, Shah N and **Shrivastava A**. Epidemiology of anxiety disorder amongst high school students (Grade 5 to 10) of an urban, metro community in Mumbai. *165th Annual Conference of the American Psychiatric Association*. Philadelphia, PA. May 5-9, 2012.

Keatings M, Kennedy AP, **Forchuk C** and Letourneau N. Canadian nurses partnering for children's health - a national perspective. *First National Paediatric Nursing Conference*. Toronto, ON. May 4-5, 2012.

King C, Theall-Honey LA, **Stewart SL** and McKinlay BD. Treatment outcomes for comorbid Tourette's disorder and associated disorders in a specialized outpatient tertiary clinic. *AACAP/CACAP Joint Annual Meeting*. Toronto, ON. October, 2011.

Kluetsch R, Schmahl C, Niedtfeld I, Densmore M, Valhoun VD, Daniels J, Kraus A, Ludaescher P, Bohus M and **Lanius RA**. Alterations in default mode network connectivity during pain processing in borderline personality disorder. *165th Annual Meeting of the American Psychiatric Association*. Philadelphia, PA. May 5-9, 2012.

Kryklywy J, Macpherson EA, Greening SG and **Mitchell DGV**. Effects of valence on a dual pathway model of auditory processing. *Cognitive Neuroscience Society*. Chicago, IL. March, 2012.

Kumar V, Khan MB, Vilos G and **Sharma V**. Revisiting the association between endometriosis and bipolar disorder. *International Society for Bipolar Disorders*. Istanbul, Turkey. March 14-16, 2012.

Lamoure J. Adverse drug reporting: Bioequivalence vs interchangeability on response in psychiatry. *53rd Annual Congress of SCNP*. Copenhagen, Denmark. April 27, 2012. [Abstracted in *Acta Neuropsychiatrica* 24:S1].

Lamoure J and **Stovel J**. Enhancing functionality with Duloxetine monotherapy in multiple sclerosis. *24th Annual Congress of the ECNP*. Paris, France. September 5, 2011.

Lanius R. Assessment and treatment of complex trauma disorders (Invited speaker). *SEARCH Community Mental Health Services*. Sudbury, ON. January 16, 2012 & February 28, 2012.

Lanius R. Intrinsic network abnormalities in post-traumatic stress disorder. *28th CINP World Congress of Neuropsychopharmacology*. Stockholm, Sweden. June 3-7, 2012.

Lanius R. The terrorized self: Clinical and neurobiological perspectives (Keynote Speaker). *23rd Annual International Trauma Conference*. Boston, MA. June 8, 2012.

Lanius R. Default network abnormalities in PTSD: a fMRI investigation. *27th Annual Meeting of the International Society for Traumatic Stress Studies*. Baltimore, MD. November 3-5, 2011.

Lanius R. ISTSS Treatment Guidelines for complex trauma (Invited Feature Presentation). *27th Annual Meeting of the International Society for Traumatic Stress Studies*. Baltimore, MD. November 5, 2011.

Lanius R. Psychosis, post traumatic stress disorder (PTSD) and dissociation (Invited Lecture). *Royal Ottawa Health Care Group*. Ottawa, ON. October 14, 2011.

Lanius R. The Traumatized Brain: How an understanding of the biology of complex PTSD can influence clinical practice (Keynote Speaker). *2nd Bi-Annual Conference of Brain, Mind and Body: Neurobiology and the Healing Relationship*. London, ON. October, 2011.

Lanius R. The neurobiology of complex PTSD (Keynote Speaker). *International Conference of the Department of Psychosomatic Medicine and Psychotherapy*. Justus-Liebig University, Giessen, Germany. September 1-3, 2011.

Lanius RA. Heterogeneity of response to traumatic recall: Implications for reconsolidation of memory? (Invited Speaker). *Department of Psychology Seminar, McGill University*. Montreal, QC. January, 2012.

Lanius RA. Mindfulness and the brain (Workshop). *23rd Annual International Trauma Conference*. Boston, MA. June 8, 2012.

Lanius RA. Psychological trauma: The brain's perspective (Keynote Speaker). *5th Annual Conference on The Brain at War, NCIRE - The Veterans Health Research Institute*. San Francisco, CA. June 21, 2012.

Lanius RA. Where are we going? Current and future research directions in complex trauma and dissociation (Keynote Presentation). *28th Annual Conference of the International Society for the Study of Trauma and Dissociation*. Montreal, QC. November 6, 2011.

Lanius RA and Frewen PA. How understanding the neurobiology of complex PTSD can inform clinical practice. *27th Annual Meeting of the International Society for Traumatic Stress Studies*. Baltimore, MD. November 3-5, 2011.

Luo Q, Holroyd T, **Mitchell DGV**, Yu H, Hodgkinson C, McCaffey D, Cheng X, Xu D, Jones M, Goldman D and Blair RJR. Amygdala timing reveals underlying neuronal functional connectivity mechanisms in 5-HTTLPR genetic polymorphism variation. *Society for Neuroscience Meeting*. Washington, DC. November 12-16, 2011.

Mabaya G, **Ray SL**, Leipert BD and Magalhães L. The legacy of collective violence: The meaning of health and help seeking behaviours among refugees in Canada. *Canadian Association of Geographers on Integration*. Waterloo, ON. May, 2012.

Martin RA, **Dozois DJA**, Faulkner B, Kazarian K and Moghnie L. The mediating role of humor styles in the link between vulnerability/resilience factors and psychological well-being. *International Society for Humor Studies Conference*. Boston, MA. July, 2011.

Maxfield L. New Advances in EMDR: A summary of interesting new research. *EMDR Canada Annual Conference*. Montreal, QC. April, 2012.

McDermott R, Evraire LE and **Dozois DJA**. Biased interpretation of social threat and excessive reassurance seeking. (Invited speaker). *Annual Meeting of the Canadian Psychological Association*. Halifax, NS. June, 2012.

Nagarkar A, Shah N, Sonavane S, Johnston M, **Bureau Y** and **Shrivastava A**. Phenomenology of first episode bipolar affective disorder. *International Society of Schizophrenia and Bipolar Disorder*. Istanbul, Turkey. March 14-17, 2012.

Nasraw MM, Husni M, **Cernovsky Z** and Saeed B. Medical students' views of female self-immolation in Kurdistan. *3rd European Forensic Child and Adolescent Psychiatry (EFCAP) Congress*. Berlin, Germany. March 7-9, 2012.

Neufeld RWJ. Quantitative cognitive science and cognitive neuroimaging of schizophrenia (Keynote Address). *Japanese Psychological Association*. Tokyo, Japan. September 15-17, 2011.

Nichols K, Lindsay J, Kane S, Borrie M and **Diachun L**. Does the Summer Institute of Geriatrics influence the career choice of future physicians? *32nd Annual Scientific Meeting of the Canadian Geriatrics Society* Quebec City, QC. April 19, 2012.

O'Regan T. Envisioning the model of care for a Geriatric Psychiatry Day Treatment Program. *Canadian Federation of Mental Health Nursing and RNAO Mental Health Nurses Interest Group*. Toronto, ON. October 27, 2011.

O'Regan T and Doherty J. Using guided reflection to promote the RNAO BPG on establishing therapeutic relationships. *Canadian Federation of Mental Health Nursing and RNAO Mental Health Nurses Interest Group*. Toronto, ON. October 27-28, 2011.

O'Reilly R, Singh S and Castellani C. Brian's Law: Legislative lessons from the killing of Brian Smith. *92nd Annual Meeting of the Ontario Psychiatric Association*. Toronto, ON. March 30-31, 2012.

O'Reilly R, Singh S and Castellani C. Complete genome sequences of identical twins discordant for schizophrenia uncover possible causative heterogeneous de novo mutations. *92nd Annual Meeting of the Ontario Psychiatric Association*. Toronto, ON. March 30-31, 2012.

O'Reilly R, Solomon R and Gray JE. Brian's Law: Legislative and clinical lessons from the killing of Brian Smith. *32nd International Congress on Law and Mental Health*. Berlin, Germany. July 17-23, 2011.

O'Reilly RL, Solomon R and Gray JE. Clinical and liberty outcomes when the courts in Ontario support a right to refuse treatment. *32nd International Congress on Law and Mental Health*. Berlin, Germany. July 17-23, 2011.

Pagani M, Nardo D, Hogberg G, **Lanius RA**, Bravo T, Jacobsson H, Jonsson C and Hallstrom T. Gray matter volume alterations associated with dissociative traits in PTSD and traumatized controls. *20th European Congress of Psychiatry*. Prague, Czech Republic. March 3-6, 2012.

Plunkett R, Leipert B, Olson J and **Ray SL**. The rural church and health promotion: Addressing rural women's health needs. *Faith and Nursing Symposium: Religion and Ethics in Pluralistic Healthcare Contexts*. Langley, BC. May 2012.

Plyley C, Peer I and **O'Reilly R**. Important issues related to the use of community treatment orders in London, Ontario, Canada. *32nd International Congress on Law and Mental Health*. Berlin, Germany. July 17-23, 2011.

Ray SL and **Forchuk C**. The experience of homelessness among Canadian forces and allied forces veterans. *Military & Veteran Health Research Forum*. Kingston, ON. November, 2011.

Ray SL and **Forchuk C**. The experience of homelessness among Canadian forces and allied forces veterans. *Ontario Non-Profit Housing Association (ONPHA) Annual Conference*. Niagara Falls, ON. October, 2011.

Ray SL and **Forchuk C**. The experience of homelessness among Canadian forces and allied forces veterans. *5th Canadian Federation of Mental Health Nurses (C.F.M.H.N.) National Conference*. Toronto, ON. October, 2011.

Ray SL and Salverson J. Dramatizing research: The experience of contemporary peacekeepers healing from trauma. *Military & Veteran Health Research Forum*. Kingston, ON. November, 2011.

Ray SL, Wong C and White D. Compassion satisfaction, compassion fatigue, work life conditions, and burnout among frontline mental health staff. *XXXII International Congress on Law and Mental Health*. Berlin, Germany. July, 2011.

Reid GJ, Stewart M, Vingilis E, **Dozois DJA**, Wetmore S, Jordan JC, Dickie G, Osmun T, Wade TJ, Brown JB and Zaric G. Where parents turn for help for preschool-age children with discipline problems. *Annual Meeting of the North American Primary Care Research Group*. Banff, Alberta. November 2011.

Reid GJ, Stewart M, Vingilis E, **Dozois DJA**, Wetmore S, Jordan JC, Dickie G, Osmun T, Wade TJ, Brown JB and Zaric G. Where parents turn for help for preschool-age children with sleep problems. *World Association of Sleep Medicine Canadian Sleep Society Congress*. Quebec City, QC. September, 2011.

Reid GJ, **Stewart SL**, Barwick M, Cunningham CE, **Carter JR**, Evans B, Leschied AW, **Neufeld RWJ**, St. Pierre J, Tobon JL, Vingilis ER and Zaric GS. Exploring patterns of service utilization within children's mental health agencies. *The MCSY SPARKS Research Conference*. Toronto, ON. November, 2011.

Richardson JD. Issues, evidence and innovation in treating military-related PTSD. *61st Canadian Psychiatric Association Annual Conference*. Vancouver, BC. 2011.

Richardson JD and Sreen J. Pharmacological treatment of military related PTSD: Focus on comorbidity. *12th European Conference on Traumatic Stress*. Vienna, Austria. 2011.

Richardson JD and Smith W. Treating military related PTSD in veterans across the lifespan. *ISTSS Annual Conference*. Baltimore, MD. 2011.

Rudnick A. Ethics education for psychiatry residents: A mixed design retrospective evaluation of an introductory course and a quarterly seminar. *International Association for Education in Ethics, Inaugural International Conference on Education in Ethics, Pittsburgh, PA*. London, ON. 2011.

Rudnick A. Immigration and psychosis: An exploratory qualitative study. *WPA-TPS 1st International Conference on Cultural Psychiatry in Mediterranean Countries*. Tel Aviv, Israel. 2012.

Rudnick A. Service preference of homeless youth with mental illness: Housing first, treatment first or both together. *3rd Schizophrenia International Research Society Conference*. Florence, Italy. 2012.

Rudnick A. Stand up for mental health: A randomized controlled pilot study of a humor-based intervention for individuals with mental illness. *Annual Conference of the International Society for Humor Studies*. Krakow, Poland. 2012.

Rudnick A. Poverty and mental health issues, challenges and solutions. *World Psychiatric Association Congress*. Prague, Czech Republic. 2012.

Rudnick A. Service preference of homeless youth with mental illness: Housing first, treatment first, or both together. *World Psychiatric Association Congress*. Prague, Czech Republic. 2012.

Rudnick A. Mental Health Engagement Network: Connecting clients with their health team. *World Psychiatric Association Congress*. Prague, Czech Republic. 2012.

Rudnick A. Service preference of homeless youth with mental illness: Housing first, treatment first, or both together. *Horatio 2012*. Stockholm, Sweden. 2012.

Rudnick A. Mental health Engagement Network: Connecting clients with their health care team. *Horatio 2012*. Stockholm, Sweden. 2012.

Rudnick A. Poverty and mental health issues, challenges and solutions. *Horatio 2012*. Stockholm, Sweden. 2012.

Rudnick A. Mental Health Engagement Network: Connecting clients with their health team. International Academy, Research and Industry Association (*IARIA*)-*Smart 2012*. Stuttgart, Germany. 2012.

Samuels-Dennis JA, Singh MP, Paulson RI, Bailey AJ, Herd D, Killian K, Fraser S, **Ray SL**, O'Campo P and Kim HS. Modeling the process through which interpersonal violence affects men's and women's mental health. *CAHSPR Conference*. Montreal, QC. May 2012.

Shanahan MJ, Pawluk EJ, Hong RY and **Neufeld RWJ**. Decisional coping styles: Maximizing, satisficing, simplifying: Information processing and threat-reduction, threat-mitigation, or threat-acceptance. *Association for Psychological Science*. Chicago, IL. May 24-27, 2012.

Sharma V. Childbirth and bipolar disorder: Challenges and Opportunities (Workshop). *International Society for Bipolar Disorders*. Istanbul, Turkey. March 14-16, 2011.

Sharma V. Assessment and treatment of bipolar disorder in the postpartum period (Speaker). *International Society for Bipolar Disorders*. Istanbul, Turkey. March 14-16, 2012.

Sharma V. Diagnostic conversion of major depressive disorder to bipolar disorder in pregnancy and postpartum. *International Society for Bipolar Disorders*. Istanbul, Turkey. March 14-16, 2012.

Shrivastava A. Quantification of stigma for clinical assessment: A paradigm shift in anti-stigma intervention. *165th Annual Conference of the American Psychiatric Association*. Philadelphia, PA. May 5-9, 2012.

Shrivastava A. Coping with challenges of risk assessment: Towards a new scale, SISMAP. *165th Annual Conference of the American Psychiatric Association*. Philadelphia, PA. May 5-9, 2012.

Shrivastava A. Neuroendocrine in first episode schizophrenia. *165th Annual Conference of the American Psychiatric Association*. Philadelphia, PA. May 5-9, 2012.

Shrivastava A. Emerging role of peptides in mechanism and treatments of schizophrenia. *Collaborative Symposia with WPA Section of Psychoneuroendocrinology, World Congress of Biological Psychiatry*. Prague, Czech Republic. October, 2011.

Shrivastava A. Neuropeptides in schizophrenia: Focus of environmental risk factors. *World Congress of Psychiatry*. Argentina. September 2011.

Shrivastava A, Johnston M, Shah N, Innamorati M, Stitt L, Thakar M, Lester D and Pompili M. Persistent suicide risk in recovered schizophrenia patients: The challenges of suicidal dimension. *Conference of the International Association for Suicide Prevention*. Melbourne, Australia. 2011.

Shrivastava A, Johnston M, Shah N and Parkar S. Psychiatric treatment as an 'anti-stigma intervention': Objective assessment of stigma by families. *5th International Stigma Conference*. Ottawa, ON. June 4-6, 2012.

Shrivastava A, Johnston M, Stitt L and Shah N. Atypical antipsychotics usage in long-term, ten year's follow-up of first episode schizophrenia. *165th Annual Conference of the American Psychiatric Association*. Philadelphia, PA. May 5-9, 2012.

Shrivastava A, Johnston M, Thakar M, Shah N, **Bureau Y** and Stitt L. Crisis helpline: A gateway for early intervention. *Annual Meeting of the International Association for Suicide Prevention*. Melbourne, Australia. September, 2011.

Shrivastava A, Mitta S and Shah N. No Axis I diagnosis in patients hospitalized due to suicide. *165th Annual Conference of the American Psychiatric Association*. Philadelphia, PA. May 5-9, 2012.

Shrivastava A and Nemeroff CB. Neuroendocrine and gene environment interaction in psychiatric disorders: Current concepts. *165th Annual Conference of the American Psychiatric Association*. Philadelphia, PA. May 5-9, 2012.

Shrivastava A, Shah N, Johnston M and Stitt L. Extrapyramidal symptoms in recovered first episode schizophrenia patients at ten years. *165th Annual Conference of the American Psychiatric Association*. Philadelphia, PA. May 5-9, 2012.

Shuster J and **Eichstedt J**. A review of cases presenting with symptoms of autism spectrum disorder at an outpatient mental health clinic. *International Meeting for Autism Research*. Toronto, ON. May 2012.

South A, Penner J, Debicki D, Gati J, **Bartha R** and Jog M. 7 Tesla MR spectroscopy in Parkinson Disease. *Neuroscience 2011*. Washington, DC. November 12-16, 2011.

Stewart SL. Child and youth mental health instrument: Development update. *InterRAI Instrument and Survey Development (ISD) Committee Conference*. Vancouver, BC. May, 2012.

Stewart SL. Child and youth mental health instrument: Clinical assessment protocols: Development update. *InterRAI Instrument and Survey Development (ISD) Committee Conference*. Vancouver, BC. May, 2012.

Stewart SL. Youth justice instruments: Development update. *InterRAI Instrument and Survey Development (ISD) Committee Conference*. Vancouver, BC. May, 2012.

Stewart SL. Child and youth intellectual disability instrument: Development update. *InterRAI Instrument and Survey Development (ISD) Committee Conference*. Vancouver, BC. May, 2012.

Stewart SL, Hirdes JP, Baiden P and Summerhurst C. Examining the association between trauma and depression among children/youth in adult mental health facilities. *The Canadian InterRAI Conference*. Vancouver, BC. May, 2012.

Stewart SL, Hirdes JP, Curtin-Telegdi N, Perlman CM, Macleod K, Ninan A, Currie M and Carson SS. Development of the interRAI Child and Youth Mental Health Instrument (ChYMH): Pre-pilot results. *The Survey and Instrument Development Committee*. Hawaii, USA. October, 2011.

Stewart SL and Kam C. Gender differences in the effect of psychiatric re-admission on subsequent stay length among child and adolescent patients. *The Canadian InterRAI Conference*. Vancouver, BC. May, 2012.

Stewart SL and Kam C. Predictive model of length of stay versus instances of admission into psychiatric institutions among child and youth patients. *The Canadian InterRAI Conference*. Vancouver, BC. May, 2012.

Stewart SL, Leschied AW, Den Dunnen W, Zalmanowitz S and Baiden P. Treating mental health disorders for children in child welfare care: Evaluating the outcome literature. *Ontario Association of Community Care Access Centres*. Toronto, ON. June, 2012.

Stewart SL and Theall-Honey L. InterRAI child and youth quality of life survey (CYQLS). *The Survey and Instrument Development Committee*. Hawaii. October, 2011.

Stewart SL, Watson C, Perlman C and Hirdes JP. InterRAI Child and Youth Mental Health (ChYMH): Overview and preliminary findings of a multi-site evaluation. *The Canadian InterRAI Conference*. Vancouver, BC. May, 2012.

Suchý M, Elmehriki AAH, Milnes M, Hudson RHE and **Bartha R**. Alkyl modified DOTAM-derived ligands and their complexes with selected heavy lanthanide(III) cations: Synthesis and magnetic properties. *95th Canadian Chemistry Conference and Exhibition*. Calgary, AB. May 26-30, 2012.

Suchý M, Milne M, Hudson RHE and **Bartha R**. "Click" chemistry toward advanced probes for molecular imaging: From PARACEST MRI contrast agents to dual MRI/PET molecular probes. *95th Canadian Chemistry Conference and Exhibition*. Calgary, AB. May 26-30, 2012.

Suchý M, Milne M, Hudson RHE, Li AX and **Bartha R**. Design, synthesis and in vitro evaluation of arginine and citrulline modified PARACEST MRI contrast agents: Can the nitric oxide synthase (NOS) enzymatic activity be detected by MRI? *95th Canadian Chemistry Conference and Exhibition*. Calgary, AB. May 26-30, 2012.

Sussman K, Evraire LE and **Dozois DJA**. Exploring the relationship between attentional bias and excessive reassurance seeking (Invited speaker). *Annual Meeting of the Canadian Psychological Association*. Halifax, NS. June, 2012.

Taylor R, **Williamson PC** and Théberge J. The influence of template metabolite omissions on ¹H-MRS quantifications. *International Society for Magnetic Resonance Imaging Meeting*. Melbourne, Victoria, Australia. May 4-11, 2012.

Taylor R, **Williamson PC** and Théberge J. Functional MRS in the anterior cingulate *International Society for Magnetic Resonance Imaging Meeting*. Melbourne, Victoria, Australia. May 4-11, 2012.

Terpstra K, **Chiu S**, **Bureau Y**, Jiniucn H, Mulk MD, Raheb H and Helson H. Neuroprotective effects of liposomal-formulated curcumin lipocurc, putative HDAC (histone deacetylase) modulator in modifying the phenotype of Park 7-knockout (Park 7-KO) rat paradigm of Parkinson's disease. . *16th International Congress of Parkinson's Disease*. Dublin, Ireland. June 2012.

Van Bussel E, **Gutmanis I**, DeForge R, Jarvie A and Speechley M. Using theatre to explore long-term care home point-of-care provider needs: A potential strategy to promote the transfer of alternate level of care patients to long-term care. *Canadian Academy of Geriatric Psychiatry Annual Meeting*. Vancouver, BC. October 12, 2011.

Van Bussel E, Gutmanis I, Jarvie A, Speechley M and DeForge R. Using theatre to explore long-term care home healthcare provider needs. *2011 International Psychogeriatric Association Meeting: Reinventing Aging Through Innovation, Care, Research, Technology.* The Hague, The Netherlands. September 6-9, 2011.

VanBussel L, Smith J, Vanderkooy S and Reed S. What's the hold up?: Discharging geriatric psychiatry patients. *OLTC & Applied Research Education Day.* Toronto, ON. November 23, 2011.

Vasudev A. Oxcarbazepine for the treatment of acute affective episodes in bipolar disorder: A Cochrane review and meta-analysis. *American College of Neuropsychopharmacology.* Hawaii, USA. December 7, 2011.

Willsie C, Lamoure J, Hocke V and Stovel J. Tramadol-induced rapid cycling bipolar disorder. *62nd Annual Conference of the Canadian Psychiatric Association.* Montreal, QC. September.

Woolmore-Goodwin SM, Klooseck M, **Gutmanis I, Zecevic Z and Fogarty F.** Caring for a loved one with amnesic mild cognitive impairment. *2012 Rotman/KLAERU Conference on Mild Cognitive Impairment.* Toronto, ON. March 27, 2012.

EXTERNAL GRANT FUNDING:

Bartha R, (PI). "Detection of PARACEST agents in biological systems". *Natural Sciences and Engineering Research Council of Canada.* Total Funding: \$78,000. Grant Term: 2008-2013.

Bartha R, (PI), Pasternak SH and Hudson RHE, (Co-Invs). "Magnetic resonance PARACEST imaging of in-vivo protease activity". *Canadian Institutes of Health Research.* Total Funding: \$497,450. Grant Term: 2010-2014.

Bartha R, (PI) and Stanisz G, (Co-Inv). "Imaging pH: Development of MRI probes for in vivo pH mapping". *Ontario Institutes for Cancer Research.* Total Funding: \$46,100. Grant Term: 2012-2013.

Bauman GN, Lee T-Y, Fenster A, Peters T, Chin J, (Co-PIs) and **Bartha R, (Co-Inv).** "CIHR team in image-guided prostate cancer management". *Canadian Institutes of Health Research.* Total Funding: \$4,067,604. Grant Term: 2008-2013.

Bennett K, (PI) and **Links PS, (Co-Inv).** "Suicide prevention in youth: Options and evidence". *Canadian Institutes of Health Research.* Total Funding: \$100,000. Grant Term: 2012-2013.

Burneo JG, Burnham M, (Co-PIs), **Bartha R**, Blume W, Carlen P, Donner E, McAndrews MP, McIntyre N, Prasad N, Shapiro M, Snead C, Steven D, Valiante T and Weiss S. "New approaches to intractable epilepsy". *Government of Ontario (Ontario Brain Institute)*. Total Funding: \$2,200,000. Grant Term: 2011-2013.

Cameron G, (PI), Zan D, Ashbourne G, Robison L, Cunning S, Penney R, Lazure-Valconi K, **Carter J**, Preyde M, Pancer M and Smit Quosai T, (Co-Invs). "Long term community adaptation of children and families participating in residential and intensive family service children's mental health programs". *Social Sciences and Humanities Research Council of Canada*. Total Funding: \$144,438. Grant Term: 2011-2014.

Carter J, (PI). "Opportunity knocking for children with high risk for fire and police involvement". *The Ontario Centre of Excellence for Child and Youth Mental Health*. Total Funding: \$14,990. Grant Term: 2011-2012.

Cechetto DFL, Arany EJ, **Bartha R**, Hachinski VC, Lee TY, McDonald RJ, Munoz DG, Naus CC, Whitehead SN, Wojtowicz JM, (Co-PIs), Hill DJ and Hou ST, (Co-Invs). "CIHR team in vascular cognitive impairment: Animal models of co-morbidity". *Canadian Institutes of Health Research*. Total Funding: \$369,071. Grant Term: 2010-2014.

Chiu S, (PI). "Study of curcumin, a putative neuronal nitric oxide synthetase inhibitor (nNOS) with neuroprotective, antioxidant, anti-inflammatory properties, isolated from Turmeric Curcuma Longa as added-on strategy to antipsychotics in treating negative symptoms and neurocognitive impairment in schizophrenia. Pilot open-label study". *Stanley Medical Research Institute*. Total Funding: \$96,020 US. Grant Term: 2007-2012.

Chiu S, (PI). "Exploring curcumin and curcumin derivatives as putative epigenetic target histone deacetylase (HDAC) inhibition in Parkinson Disease. Study of Lipocurc in Park 7 genetic model of Parkinson Disease. Phase 2". *Michael J. Fox Foundation for Parkinson Disease*. Total Funding: \$10,500 US. Grant Term: 2011-2012.

Cloitre M, (PI), **Lanius RA**, (Site-PI), Herman JM and Kaslow N, (Co-Invs). "Implementation of an evidence based PTSD treatment in public sector settings". *National Institutes of Mental Health*. Total Funding: \$3,090,352 (US). Grant Term: 2011-2015.

Corring D, (PI) and **Rudnick A**, (Co-Inv). "Exploring the use of Smart technology with persons with mental illness living in the community". *Nicholaas & Regina Veenboer Foundation*. Total Funding: \$25,000. Grant Term: 2011-2012.

Corring D and **Rudnick A**, (Co-PIs). "Mental health smart technology - supporting patients in our community". *Nicholaas & Regina Veenboer Foundation*. Total Funding: \$25,000. Grant Term: 2011-2012.

Diachun L, (PI). "Care of older adults, educating our future physicians: An undergraduate Schulich School of Medicine and Dentistry integrated geriatric curriculum initiative". *Academic Medical Organization of Southwestern Ontario (AMOSO)*. Total Funding: \$241,313. Grant Term: 2009-2011.

Dozois DJA, (PI). "Origins and dynamics of excessive reassurance seeking". *Social Sciences and Humanities Research Council of Canada*. Total Funding: \$129,500. Grant Term: 2011-2014.

Duggal N, (PI) and **Bartha R**, (Co-Invs). "Metabolic and functional correlates in spinal cord compression measured by magnetic resonance imaging". *Canadian Institutes of Health Research*. Total Funding: \$325,808. Grant Term: 2011-2015.

Forbes D, (PI), **Gibson M**, Markle-Reid M and Morgan D, (Co-Invs). "Developing dementia care decisions through knowledge exchange in rural settings". *Alzheimer Society of Canada (ASC), Canadian Nurses Foundation, CIHR Institute on Aging, Parkinson Society of Canada Research Program on Care Practice in Cognitive Impairment in Aging*. Total Funding: \$192,063. Grant Term: 2010-2012.

Forchuk C, (PI). "Poverty and social inclusion". *Social Sciences and Humanities Research Council of Canada*. Total Funding: \$1,000,000. Grant Term: 2011-2012.

Forchuk C, (PI). "Laboratory for research to study community integration of people with mental illness". *Canada Foundation for Innovation and co-sponsors(conditional acceptance)*. Total Funding: \$380,566. Grant Term: 2012

Forchuk C, (PI) and **Rudnick A**, (Co-Inv). "Evaluation of CARES: A street-level strategy to address homelessness, addictions, and mental health". *Canadian Institutes of Health Research*. Total Funding: \$7,500. Grant Term: 2009-2011.

Forchuk C, (PI) and **Rudnick A**, (Co-Inv). "CURA Letter of Intent (Poverty and Mental Health)". *Social Sciences and Humanities Research Council of Canada*. Total Funding: \$20,000. Grant Term: 2010-2011.

Forchuk C, (PI) and **Rudnick A**, (Co-Inv). "Poverty and mental health: Issues, challenges and solutions". *Ontario Mental Health Foundation*. Total Funding: \$150,000. Grant Term: 2010-2012.

Forchuk C, (PI) and **Rudnick A**, (Co-Inv). "CURA Award: Poverty and Social Exclusion". *Social Sciences and Humanities Research Council of Canada*. Total Funding: \$1,000,000. Grant Term: 2011-2016.

Forchuk C, (PI), **Rudnick A**, **Reiss JP**, **Hoch J**, Petrenko M, Godin M, **Corring D**, Donnelle L, Edwards B, **Mitchell B**, Neal DB, Ouseley S, Vingilis E, **Campbell R**, **Norman R** and **Osuch E**, (Co-Invs). "Mental Health Engagement Network (MHEN) - Connecting clients with their health team". *Canada Health Infoway; TELUS Communications; Lawson Health Research Institute*. Total Funding: \$1,686,526. Grant Term: 2011-2013.

Frewen P, (PI) and **Lanius RA**, (Co-Inv). "Neuroimaging studies of self-perception in women with major depression with and without posttraumatic stress disorder". *Ontario Mental Health Foundation, New Investigator Fellowship*. Total Funding: \$104,346. Grant Term: 2009-2012.

Frewen PA, (PI), **Lanius RA**, **Neufeld RWJ** and **Reiss JP**, (Co-Invs). "Psychological assessment of symptom causal relations". *Canadian Institutes of Health Research*. Total Funding: \$162,774. Grant Term: 2011-2014.

Garg A, (PI), Beyea M, Gandhi S, Gomes T, Hackam D, Juurlink D, Lam N, Mamdani M, McLachlan R, Minuk L, Paterson JM, **Reiss JP** and Weir M, (Co-Invs). "Electrolyte disorders from common medications: Risk and mitigation". *Canadian Institutes of Health Research*. Total Funding: \$139,828. Grant Term: 2011-2012.

Gutmanis I, (PI), Speechley M, **Van Bussel L**, Ward-Griffin C and DeForge R, (Co-Invs). "Research-based theatre as a knowledge exchange vehicle for home-based dementia care". *The Canadian Dementia Knowledge Translation Network and the Alzheimer Society of Canada*. Total Funding: \$12,420. Grant Term: 2012-2013.

Hayden E, (PI) and **Dozois DJA**, (Co-Inv). "Childhood temperamental vulnerability to internalizing psychopathology: Emotional and cognitive pathways". *Social Sciences and Humanities Research Council of Canada*. Total Funding: \$157,287. Grant Term: 2008-2011.

Heisel MJ, (PI). "Promoting psychological resiliency to late-life depression and suicide risk". *Canadian Institutes of Health Research New Investigator Award*. Total Funding: \$300,000. Grant Term: 2007-2012.

Heisel MJ, (PI). "Preventing suicide among older adults: Enhancing resiliency, reducing risk, and translating knowledge to practice". *Ontario Ministry of Research and Innovation Early Researcher Award (ERA)*. Total Funding: \$190,000. Grant Term: 2009-2013.

Heisel MJ and Moore S, (Co-recipients). "Canadian Coalition for Seniors' Mental Health: Suicide prevention in older adults knowledge translation project". *The Betty Havens Award for Knowledge Translation in Aging, Canadian Institutes of Health Research*. Total Funding: \$50,000. Grant Term: 2008-2009 (completed in 2012).

Kauppi C, (PI), Darren M, Sereau T, Garceau M, Garg R, Kinsman G, Lacassagne A, MacLean B, Montgomery P, Pallard H, Pastoret C, Kauppi C, Virchez G, Webster S, Bavington D, Srigley K, **Forchuk C**, Nicolson V, Bouchard P, Bussieres L, Poliquin L and Fitzmaurice K, (Co-Invs). "Community-based responses to poverty, homelessness and migration in northern communities". *Social Sciences and Humanities Research Council of Canada*. Total Funding: \$1,000,000. Grant Term: 2010-2015.

Lanius RA, (PI). "Intergenerational transmission of trauma". *Judith Harris Foundation*. Total Funding: \$750,000. Grant Term: 2008-2012.

Lanius RA, (PI). "Neurofeedback Project (Task 2)". *Canadian Institute of Military and Veterans Health Research (CIMVHR)*. Total Funding: \$167,873. Grant Term: 2012.

Lanius RA, McKinnon I, (Co-PIs), Hall M, Levine B, MacQueen G and **Neufeld RWJ**, (Co-Invs). "Neural and behavioural correlates of autobiographical memory performance in patients with post-traumatic stress disorder and/or major depression following motor vehicle crash". *Canadian Institutes of Health Research*. Total Funding: \$354,985. Grant Term: 2009-2014.

Lanius RA, McKinnon M, (Co-PIs) and Jetly R, Lt-Col., (Co-Inv). "Default connectivity as a predictor of posttraumatic stress disorder symptomatology and behavioural correlates of autobiographical memory in posttraumatic stress disorder". *Department of National Defence*. Total Funding: \$179,000. Grant Term: 2009-2011.

Lanius RA, (PI) and Rhind S, (Co-Inv). "Biological correlates of military-related post-traumatic stress disorder pilot Study (Task 4)". *Canadian Institute of Military and Veterans Health Research (CIMVHR)*. Total Funding: \$132,612. Grant Term: 2012.

Lanius RA, (PI) and Rhind S, (Co-Inv). "Biological correlates of military-related post-traumatic stress disorder (Task 11)". *Canadian Institute of Military and Veterans Health Research (CIMVHR)*. Total Funding: \$134,178.75. Grant Term: 2012.

Links PS, Bender A, (Co-PIs), O'Grady J, Braga L, Strike C, Gnam W, Nisenbaum R, **Lanius RA**, Bergmans Y, Murphy K, Eynan R, Shah R and Bance S, (Co-Invs). "Prevention and treatment of acute psychological trauma (APT): A case study in public transport". *Workplace Safety and Insurance Board*. Total Funding: \$446,070. Grant Term: 2007-2012.

Links PS, Liu P, (Co-PIs), Tsang AKT, Law SF and Shera WJ, (Co-Invs). "Gender role conflict in Chinese and Chinese-Canadian women with suicidal ideation and behaviour". *Canadian Institutes of Health Research*. Total Funding: \$72,639. Grant Term: 2011-2012.

Malla A, Joobar J, (Co-PIs), **Norman RMG**, Schmitz N, Latimer EA, Abdel-Baki A, Brown T and Nordentoft M, (Co-Invs). "A randomized controlled evaluation of extended specialized early intervention service versus regular care for management of early psychosis over the five year critical period". *Canadian Institutes of Health Research*. Total Funding: \$2,367,886. Grant Term: 2009-2015.

Manchanda R, (PI), **Harricharan R** and **Northcott S**, (Co-Invs). "First episode psychosis home assessment". *AMOSO Innovation Fund, Ministry of Health*. Total Funding: \$100,780. Grant Term: 2010-2012.

Martin R and **Rudnick A**, (Co-PIs). "Humor-related interventions for mental health care service users: A feasibility and exploratory study". *Canadian Institutes of Health Research, Consortium for Applied Research in Mental Health*. Total Funding: \$14,290. Grant Term: 2008-2011.

McCay E, (PI), Romano DM, Langley J, Archie S, Cheng C, Conrad G, **Manchanda R**, Menezes N, Roy P, Tibbo P, Beanlands H, Dewa C, Rose D, Santa Mina E, Schwind J, Zipursky R, Aiello A, Rehder M, Gehrs M, Robinson K, Jeffs L, **Norman R**, Hassall L and Fata M, (Co-Invs). "Sustaining recovery: Supporting the transition from specialized services to primary care for at-risk youth who have experienced a first episode of psychosis". *Canadian Institutes of Health Research*. Total Funding: \$23,800. Grant Term: 2011-2012.

Menon R, (PI), **Bartha R**, Chronik B, Lee T, Henkleman M, Sled J, Taylor M, Kassner A and Mikulis D, (Co-Invs). "Making a better brain: An Ontario neuroimaging consortium". *Ministry of Research and Innovation, Ontario Research Fund*. Total Funding: \$267,465. Grant Term: 2008-2013.

Menon R, (PI), Bartha R, Chronik BA, Culham JC, Dekaban GA, Everling S, Foster PJ, Goodale MA, Huff MW and **Williamson PC**, (Co-Invs). "Centre for functional and metabolic mapping". *Canadian Institutes of Health Research*. Total Funding: \$696,850. Grant Term: 2007-2012.

Mitchell B, (PI) and **Reiss JP**, (Co-Inv). "Improvement of triage and care paths for mental health patients in the Emergency Department". *Ontario Ministry of Health Pay-for-Results*. Total Funding: \$225,409. Grant Term: 2010-2011.

Mitchell D, (PI). "The functional neuroanatomy of emotional representation, integration, and control". *Natural Science and Engineering Research Council, Discovery Grant*. Total Funding: \$75,000. Grant Term: 2008-2013.

Mitchell D, (PI), Joannis M, Culham J, Owen A, Goodale M, (PI) and Ansari D. "Eye tracking and 3 dimensional visualization: Synergistic and ecologically valid approaches to neuroimaging research". *Natural Science and Engineering Research Council of Canada, Research Tools and Instruments Grant*. Total Funding: \$109,066. Grant Term: 2012.

Mitchell D, (PI) and **Neufeld RWJ**, (Co-Inv). "Individual differences in distinct facets of empathy and the factors that influence their expression". *Social Sciences and Humanities Council*. Total Funding: \$98,414. Grant Term: 2009-2012.

Montero-Odasso M, (PI), **Bartha R**, Borrie M, Speechley M and Hachinski V, (Co-Invs). "Gait variability as predictor of cognitive decline and risk of falls in MCI. A cohort study". *Canadian Institutes of Health Research*. Total Funding: \$571,115. Grant Term: 2010-2015.

Neufeld RWJ, (PI). "Mathematical theory-driven research on stress and (decisional-control) coping: Toward general laws of individual differences". *Social Sciences and Humanities Research Council of Canada*. Total Funding: \$109,803. Grant Term: 2010-2013.

Nicolson R, (PI), Drost D, Gelman N, **Neufeld R**, **Théberge J** and **Williamson PC**, (Co-Invs). "Neurobiological marker of aberrant connectivity in autism". *Canadian Institutes of Health Research*. Total Funding: \$383,967. Grant Term: 2008-2012.

Norman RMG, (PI), Hampson E and Sorrentino R, (Co-Invs). "The role of evaluative processes in reducing the stigma of mental illness". *Social Sciences and Humanities Research Council of Canada*. Total Funding: \$90,420. Grant Term: 2011-2014.

Orchard C, Ford-Gilboe M, (Co-PIs), **Ray SL**, Donelle L, Dietrich P, Klinger L, Moosa T, Book S and Garcia A, (Co-Invs). "Health Zone Nurse Practitioner-led Clinic - Wave 3". *Ministry of Health and Long-term care*. Total Funding: \$1,000,000. Grant Term: 2011-ongoing.

O'Rourke N, (PI) and **Heisel MJ**, (Co-Inv). "Bipolar disorder in later life: A mixed-methods, experiential sampling study of health and well-being over time". *Canadian Institutes of Health Research Institute of Aging*. Total Funding: \$733,402. Grant Term: 2012-2016.

Osuch E, (PI), **Mitchell D**, **Williamson P**, **Théberge J** and **Neufeld RWJ**, (Co-Invs). "Major depression and marijuana use in youth: Neurofunctional and cognitive interactions". *Ontario Mental Health Foundation*. Total Funding: \$150,000. Grant Term: 2009-2012.

Overend T, (PI), **Bartha R**, Doherty TJ, Gati J, Lindsay R and Sawant A, (Co-Invs). "Relationship between skeletal muscle strength and size in people with end-stage renal disease on haemodialysis". *The Kidney Foundation of Canada*. Total Funding: \$77,358. Grant Term: 2011-2013.

Prado M, (PI), **Bartha R**, Martins V, Hajj G, Cashman N, Prado V, Ferguson S, Rylett J, **Menon R**, Strong M, MacDonald JF and Choy JWY, (Co-Invs). "Upstream and downstream partners of the prion protein as therapeutic targets in prion targets in prion diseases and Alzheimer's disease". *Network of Centres of Excellence*. Total Funding: \$600,000. Grant Term: 2011-2013.

Prato F, Koropatnick J, (Co-PIs), Chronik B, Dhanvantari S, Lee T-Y, Rutt B, Thomas A, Thompson T, Urbain J-L and **Williamson P**, (Co-Invs). "Biomedical multimodal hybrid imaging". *Canadian Foundation for Innovation, Ontario Research Fund*. Total Funding: \$19,982,000. Grant Term: 2007-2012.

Reid G, (PI), Tobon J, **Stewart SL**, Evans B, Brown JB and Goffin R, (Co-Invs). "Continuity of care in children's mental health: Development of a measure (2 years)". *Canadian Institutes of Health Research: Advancing Theoretical and Methodological Innovations in Health Research*. Total Funding: \$195,482. Grant Term: 2010-2012.

Reid GJ, **Stewart SL**, (Co-PIs), Marwick M, **Carter J**, Evans B, Leschied A, **Neufeld J**, St. Pierre J, Tobon J, Vingilis E and Zaric G, (Co-Invs). "Predicting and understanding patterns of service utilization within children's mental health agencies". *Canadian Institutes of Health Research*. Total Funding: \$336,160. Grant Term: 2010-2014.

Rudnick A, (PI). "Dialogue in clinical neuroethics: An exploratory study of the impact of cognitive and other mental impairments on patient participation in ethics consultations". *Canadian Institutes of Health Research*. Total Funding: \$98,898. Grant Term: 2008-2012.

Scholl T, (PI) and **Bartha R**, (Co-Inv). "Sodium MRI for diagnosis of prostate cancer". *Ontario Institutes for Cancer Research*. Total Funding: \$111,250. Grant Term: 2012-2013.

Singh S, **O'Reilly R** and Scherer S, (Co-PIs). "Gene discovery in schizophrenia using copy number variations (CNVs) in high-risk monozygotic (MZ) and dizygotic (DZ) twins". *Canadian Institutes of Health Research*. Total Funding: \$579,408. Grant Term: 2008-2011.

Steele M, (PI), Davidson B, Stretch N, Zayed R and Doey T. "Child and Youth Mental Health Project". *Children's Health Foundation*. Total Funding: \$122,500. Grant Term: 2008-2012.

Steele M, (PI), Davidson B, Stretch N, Zayed R and Doey T. "Child and Youth Mental Health Project". *Children's Health Foundation*. Total Funding: \$171,455. Grant Term: 2012-2013.

Stewart M, (PI), Bainbridge L, Beaulieu MD, Brown JB, Bruge F, Dolovich L, **Dozois DJA**, Goudreau J, Haggarty JM, Harris S, Kothari A, Lalonde RL, Martin-Misener R, McWilliam C, Ramsden V, Reid G, Thind A, Thomas-MacLean R, Vingilis E, Watt S and Wong S, (Co-Invs). "Transdisciplinary understanding and training on research - Primary Health Care (TUTOR-PHC)". *Canadian Institutes of Health Research Strategic Training Initiative in Health Research (STIHR) Programme*. Total Funding: \$1,950,000. Grant Term: 2009-2015.

Stewart SL, (PI). "RAI Mental Health System for Children and Youth: Development, implementation and evaluation". *Volunteer Organization of the Child and Parent Resource Institute (CPRI)*. Total Funding: \$100,000. Grant Term: 2011-2013.

Swenson R, (PI) and **Rudnick A**, (Co-Inv). "Survey of mental health services in smaller communities in Northern Ontario". *Ontario Ministry of Health, Psychiatric Outreach Program*. Total Funding: \$130,000. Grant Term: 2008-2011.

Takhar J, (PI) and **Steele M**, (Co-Inv). "Academic detailing intervention to reduce polypharmacy in Psychiatry". *AMOSO Innovation Fund*. Total Funding: \$211,029. Grant Term: 2011-2012.

Tibbo PG, (PI), **Bartha R**, Bernier D, Beyea S, Good K, McAllindon D, Milliken H and Song X, (Co-Invs). "Quantitative proton spectroscopy of white matter at 4 Tesla in first episode psychosis Part II: A clinical study". *Canadian Institutes of Health Research*. Total Funding: \$186,963. Grant Term: 2010-2013.

Vasudev A, (PI), Shoemaker K and **Mitchell D**, (Co-Invs). "Quantify the ventro medial pre frontal cortex (vMPFC) responsiveness to parasympathetic nervous system (PNS) modifiers in late life depression (LLD)". *AMOSO Opportunities Fund*. Total Funding: \$65,000. Grant Term: 2012-2014.

Vasudev K, (PI), Kim R, Schwarz U, Tirona R and **Norman R**, (Co-Invs). "Genetic risk factors for Clozapine induced metabolic side effects". *AMOSO Opportunities Fund*. Total Funding: \$65,000. Grant Term: 2012.

Williamson P, (PI), **Manchanda R**, **Menon R**, **Neufeld RWJ**, **Osuch E**, Pavlovsky W, **Rajakumar R** and **Théberge J**, (Co-Invs). "Candidate neuronal circuits in schizophrenia". *Canadian Institutes of Health Research*. Total Funding: \$739,755. Grant Term: 2012-2017.

Williamson P, (PI), **Osuch E**, Drost D, **Menon R**, **Manchanda R**, **Théberge J**, **Neufeld RWJ**, **Rajakumar R** and Pavlovsky W, (Co-Invs). "Candidate neuronal circuits in schizophrenia". *Canadian Institutes of Health Research*. Total Funding: \$569,075. Grant Term: 2007-2012.

Zelcer S, (PI), Cataudella A, Nesin D, Johnston C, Fernandez C, **Heisel MJ**, Streiner DL and Sung J, (Co-Invs). "Development of the P-SCS: The Pediatric Supportive Care Scale, an instrument for measuring health related quality of life (HRQL) and health care satisfaction in children with terminal malignancy and development of a child self-report (age 8-12 years), teen self-report (age 13-18 years), and parent proxy measures (age 2-4 and 5-18)". *C17 Research Network: Canadian Centers Battling Cancer and Blood Disorders in Children*. Total Funding: \$123,374. Grant Term: 2009-2013.

INTERNAL PEER-REVIEWED GRANT FUNDING:

Bartha R, (PI). "Automated measurement brain ventricle volume for Alzheimer Disease monitoring". *Western University Internal Grant Competition*. Total Funding: \$3,500. Grant Term: 2012-2013.

Bureau Y and **Chiu S**, (Co-PIs). "Targeting G-protein coupled dopamine receptor (GPCR-DA) with L-proxy-L-leucyl-glycinamide (PLG) peptidomimetic: PAOPA in a transgenic model of Parkinson disease". *Lawson Health Research Institute*. Total Funding: \$14,000. Grant Term: 2011-2013.

Diachun L, (PI). "Comparing the characterization of geriatric care by medical teams at two short-term inpatient care sites". *St. Joseph's Health Care Foundation*. Total Funding: \$7,301. Grant Term: 2012-2013.

Diachun L, (PI). "Teaching and learning elder care: How is the 'older patient'". *University of Western Ontario Summer Student Grant*. Total Funding: \$8,502. Grant Term: 2012-2013.

Dozois D, (PI). "Symptom reduction and prevention of affective disorders". *Academic Development Fund*. Total Funding: \$137,891. Grant Term: 2012-2013.

Eichstedt JA, (PI), **Haensel H**, **Collins KA**, **Phoenix E** and **Dozois DJA**, (Co-Invs). "The management of childhood anxiety in clinical practice: A survey of mental health providers in Ontario". *Lawson Health Research Institute*. Total Funding: \$14,870. Grant Term: 2010-2012.

Finger E, (PI) and **Bartha R**, (Co-Inv). "Ultra high field structural and metabolic imaging in frontotemporal dementias". *Western University Internal Research Grant*. Total Funding: \$14,760. Grant Term: 2011-2013.

Forchuk C, (PI), **Mitchell B** and **Reiss JP**, (Co-Invs). "Preventing homelessness of mental health patients visiting emergency rooms". *University of Western Ontario, SSHRC Internal Competition*. Total Funding: \$7,000. Grant Term: 2009-2011.

Forchuk C, (PI), **Richardson J**, **Laverty K**, **Bryant M**, **Csiernik R**, **Edwards B**, **Fisman S**, **Mitchell B**, **Rudnick A**, **Connoy M** and **Dolson M**, (Co-Invs). "Youth Matters in London: Graduate student support". *Lawson Health Research Institute*. Total Funding: \$15,000. Grant Term: 2011-2012.

Heisel MJ, (PI), **Schreier G** and **Flett GL**, (Co-Invs). "Assessing psychological risk and resiliency factors associated with suicide ideation and the desire to hasten death among community-residing older adults". *Lawson Health Research Institute*. Total Funding: \$15,000. Grant Term: 2010-2012.

Jwely A and **Rudnick A**, (Co-PIs). "Immigration and psychosis: A qualitative exploratory study". *St. Joseph's Health Care Foundation*. Total Funding: \$5,200. Grant Term: 2008-2011.

Lanius RA, Ros T, (Co-PIs), **Théberge J** and **Frewen PA**, (Co-Invs). "Functional MRI correlates of neurofeedback for PTSD". *Lawson Health Research Institute* Total Funding: \$14,925. Grant Term: 2011-2013.

Prasad C, (PI), **Vasudev A**, Potter BK, Mantulak A, Napier M and Prasad N, (Co-Invs). "Psychosocial aspects of inborn errors of metabolism: A pilot project". *Department of Psychiatry, Western University*. Total Funding: \$6,000. Grant Term: 2012.

Ray SL, (PI), Babenko-Mould Y, (Co-Inv), Mabaya G and Nitunga P, (Collaborators). "Transitioning to Canadian society among refugees who have experienced collective violence". *Academic Development Fund, Western University*. Total Funding: \$8,106. Grant Term: 2012-2013.

Shrivastava A, (PI). "Suicide Prevention: Need Assessment". *Department of Psychiatry, Western University*. Total Funding: \$5000. Grant Term: 2012.

Shrivastava A, (PI) and **Links PS**, (Co-Inv). "Promoting international collaboration: Training needs assessment for suicide prevention for healthcare professionals in rural India". *Research Development & Services, Western University*. Total Funding: \$5,876. Grant Term: 2012.

Subramanian P, (PI), **Sharma V**, **Burhan A** and **Rybak I**, (Co-Invs). "Repetitive transcranial magnetic stimulation in the treatment of postpartum depression - An exploratory pilot study". *Department of Psychiatry, Western University*. Total Funding: \$15,000. Grant Term: 2010-2012.

Subramanian P, (PI), **Sharma V**, **Burhan A** and **Rybak I**, (Co-Invs). "Transcranial direct current stimulation for the treatment of postpartum depression". *Department of Psychiatry Seed Funding, Western University*. Total Funding: \$7,500. Grant Term: 2011-2012.

Vasudev A, (PI), Shoemaker K and **Mitchell D**, (Co-Invs). "Quantify the ventro medial pre-frontal cortex (vMPFC) responsiveness to parasympathetic nervous system (PNS) modifiers in late life depression (LLD)". *Department of Psychiatry Seed Funding, Western University*. Total Funding: \$7500. Grant Term: 2012-2013.

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OTHER RESEARCH FUNDING:

Chiu S, (PI). "Multi-functional outcome study of Ziprasidone switch in Bipolar Disorder: Differential mediating effects of e-SMART program versus usual care. Multi-site". *Pfizer Canada*. Total Funding: \$181,000. Grant Term: 2009-2012.

Chiu S, (PI). "Translational research program on botanical ingredient of the extract *Sceletium tortuosum* (Zembrin®) targeting PDE-4 (phosphodiesterase-4) in cognition and mood and anxiety". *PJ Thomas Inc*. Total Funding: \$50,500 US. Grant Term: 2011-2012.

Cortese L, (PI). "A 12-week randomized double-blind, placebo-controlled, parallel group, comparative study to evaluate the safety and efficacy of pyridoxal 5'-phosphate monohydrate in the treatment of tardive dyskinesia in patients with schizophrenia and schizoaffective disorders". *Medicure/CanAm Bioresearch Inc*. Total Funding: \$35,000. Grant Term: 2011-2012.

Cortese L, (PI) and **Velehorschi C**, (Co-Inv). "PILAR: Pharmacoepidemiologic International Longitudinal Antipsychotic Registry: A non-interventional observational registry designed to assess outcomes data in patients receiving antipsychotic treatment with paliperidone ER or other oral antipsychotics". *Janssen-Ortho Pharmaceuticals*. Total Funding: \$30,000. Grant Term: 2008-2012.

Cortese L, (PI) and **Velehorschi C**, (Co-Inv). "A one-year, phase IV, open-label, non-comparative trial of the effect of ziprasidone HCL on metabolic syndrome risk factors in patients with psychotic disorders". *Pfizer Canada*. Total Funding: \$125,000. Grant Term: 2010-2012.

deOlivera CA, (PI), **Stewart SL** and **Rupert K**, (Co-Invs). "Evaluation of the Circle of Security Program". *The Arcangelo Rea Family Foundation*. Total Funding: \$30,000. Grant Term: 2011-2012.

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Rudnick A, (Co-PI). "Humor-related interventions for mental health care service users: A feasibility and exploratory study (unrestricted grant)". *Astra-Zeneca*. Total Funding: \$16,000. Grant Term: 2009-2011.