ANNUAL REPORT

Department of Psychiatry

Education. Clinical. Research.

UNIVERSITY OF SASKATCHEWAN
College of Medicine
DEPARTMENT OF PSYCHIATRY
MEDICINE@USASK.CA

Saskatchewan Health Authority
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MISSION

To enhance the well-being of persons with psychiatric disorders, now and in the future, through integration of scholarly activities, research, teaching, and optimal clinical care.

VALUES

1. Collegiality & Collaboration
2. Integrity
3. Competency
4. Respect
5. Accountability

PURPOSE

The department of psychiatry is a unified organization with a membership that includes medical staff of the Saskatoon Health Authority, as well as faculty based out of the University of Saskatchewan and surrounding community. Members work collaboratively under leadership of a provincial head, are dedicated to excellence in service, education, and research, and strive to support and enhance academic activities and patient care through affiliated clinical programs and partnerships in the field of mental health and addiction services in the province of Saskatchewan. These partnerships include a provincial mandate for academic programs undertaken around the province.

CONTACT

Department of Psychiatry, Ellis Hall, 103 Hospital Drive, Saskatoon, SK S7N 0W8

medicine.usask.ca/psychiatry • psychiatry.communications@usask.ca
It is my pleasure to present the 2017-18 Annual Report of the Department of Psychiatry which is a provincial department in the College of Medicine and the Saskatchewan Health Authority. The transition from a unified department of the Saskatoon Health Region to a provincial department occurred on December 4th, 2017 with the creation of the new provincial authority and elimination of health regions. This report outlines the developing structure of the provincial department, and celebrates provincial academic achievements and clinical service over the last year in the Saskatoon area.

The transformation to a single provincial health authority has brought, and continues to bring, changes to the structure and governance of the health system. A key goal of the restructuring is to establish physicians as leaders in the healthcare system.

Psychiatry has taken the lead to coalesce as a provincial department to understand and focus on provincial academic, clinical standards and resource requirements. This also extends to educational developments and continued pursuit of training and retention of our graduates to meet critical needs within the province.

Research growth continues as we see the development of new research groups and collaborations. Education programming at UGME, PGME and CME is well established, fully accredited and undergoes continuous quality improvement.

The challenge ever before us is to continue our pursuit of excellence in all domains of our mission, enhance our collaborations, maximize the opportunities that exist within a provincial department and creatively address our challenges. I think you will see from our review of the last year that we are successfully moving in those directions.

Thank you to all the leaders in the department — locally and across the province — and thank you to all those who do the work on the ground to make psychiatric education, research and clinical service high quality, and our department a proud place in which to be a member.

As Provincial Head, Dr. Marilyn Baetz oversees academic and clinical activity in the Department of Psychiatry under the University of Saskatchewan umbrella, as well as strategic initiatives within the Saskatchewan Health Authority, in a multi-faceted collaborative partnership that reaches across the province.
THE DEPARTMENT

SASKATOON EXECUTIVE COMMITTEE

DEPARTMENT OF PSYCHIATRY

CLINICAL REPRESENTATION

Clinical Director Saskatoon
Dr. H. Aftab

Clinical Advisor Saskatoon
Dr. G. Marcoux

Child & Adolescent Division Head, Saskatoon: Dr. A. Felstrom

ACADEMIC REPRESENTATION

Education Director Provincial
Dr. V. Bennett

Clinical Research Director
Saskatoon: Dr. R. Bowen

Postgraduate Medical Education
Dir., Provincial: Dr. M. Davidson

MENTAL HEALTH & ADDICTIONS SERVICES SASKATOON

Director
K. Kawula

Director
T. Muggli

SASKATCHEWAN HEALTH AUTHORITY

The Saskatchewan Health Authority (SHA) is divided throughout the province by area, each of which has a psychiatry Department Lead that works locally alongside the Area Chief(s) of Staff. Executive Directors are appointed by the SHA to oversee the area’s general operations. Dr. Baetz, Provincial Head, oversees the collaboration of Psychiatry Department Leads province-wide.

For more information, visit: medicine.usask.ca/psychiatry
DEPARTMENT OF PSYCHIATRY — PROVINCIAL ROLE

As defined by the bylaws of the Saskatchewan Health Authority, the purpose of the Provincial Department of Psychiatry is to:

1) Support the delivery of high quality and safe patient care and clinical services within the province
2) Provide oversight to the Practitioner Staff and advice to the SHA
3) Improve provincial quality
4) Optimize practitioner resources
5) Contribute to strategic planning and implementation
6) Contribute to the optimization of the design and delivery of the undergraduate and postgraduate medical education, in collaboration with College of Medicine (CoM)
7) Department meetings with all Area Leads — minimum four times per year
8) Integrated academic clinical service delivery

The inaugural provincial department meeting was held on April 20, 2018 in Regina.

SASKATCHEWAN HEALTH AUTHORITY
PROVINCIAL PRACTITIONER ADVISORY COMMITTEE

The purpose of the PPAC is to assist the Chief Medical Officer with the effective organization, management and functioning of the practitioner staff. The committee will provide advice with a view to integrating and coordinating activities in a consistent manner throughout the province — clinical organization, quality, effectiveness making recommendations regarding province-wide innovations, research, quality assurance, quality improvement, appropriateness of care, standardization of care, and distributed practitioner education.

PROVINCIAL PRACTITIONER ADVISORY COMMITTEE (PPAC) COMPOSITION

Chief Medical Office (CMO), Deputy Chief Medical Officer (DCMO), Senior Chief Medical Health Officer, SMA representative, provincial department heads, Area Chief of Staff (ACOS), Dean’s designate, and two patient family advisors and non-voting members are the physician executives of Northern Health, Rural Health, Urban Health, and provincial programs.
SHA AREA APPOINTMENTS

SOUTHWEST

DEPARTMENT LEADS
Dr. P. Venkata (Swift Current)

DIVISION LEADS
Dr. A. Adewumi (Moose Jaw)
Dr. D. Oyebode (Weyburn)

EXECUTIVE DIRECTORS
Mr. B. Martin
Ms. J. Munro

AREA CHIEFS OF STAFF
Dr. I. Radevski (Family/ER Physician)
Dr. Hein de Klerk (Family Physician)

SOUTHEAST

DEPARTMENT LEAD (Interim)
Dr. O. Adefolarin (Yorkton)

EXECUTIVE DIRECTORS
Ms. J. Holzman
Ms. M. Petrychyn

AREA CHIEFS OF STAFF
Dr. A. Ogunbiyi (Psychiatrist)
Dr. P. J. Vertue (ER Physician)
Dr. M. Onaolapo (Anaesthetist)

NORTHEAST

DEPARTMENT LEAD (Interim)
Dr. M. Hussain (Prince Albert)

EXECUTIVE DIRECTORS
Mr. B. Enns
Ms. P. McKay

AREA CHIEFS OF STAFF
Dr. R. Friesen (General Surgeon)
Dr. J. Wingate (Family Physician)

NORTHWEST

DEPARTMENT LEAD (Interim)
Dr. D. Duncan (North Battleford)

EXECUTIVE DIRECTORS
Mr. R. Petit
Ms. V. Smart

AREA CHIEFS OF STAFF
Dr. M. Gieni (General Surgeon)
Dr. L. Williams (Family Physician)

REGINA

DEPARTMENT LEAD (Interim)
Dr. S. Damodharan

EXECUTIVE DIRECTOR
Ms. C. Quinlan

AREA CHIEF OF STAFF
Dr. J. Soper (Pediatrics)

SASKATOON

DEPARTMENT LEAD
TBD

EXECUTIVE DIRECTOR
Ms. C. Quinlan

AREA CHIEF OF STAFF
TBD

For more information, visit: medicine.usask.ca/psychiatry
EDUCATION

In Action

The Department of Psychiatry provides education programs in the Undergraduate Medical Education (UGME) curriculum, Postgraduate Medical Education (PGME), Continuing Medical Education (CME), and faculty teaching development opportunities.

TEACHING

With more than 70 faculty and residents involved in teaching undergraduates across three sites (Saskatoon, Regina and a smaller complement in Prince Albert), the department commits to more than 750 hours of teaching during year two of the pre-clerkship phase that involves large classroom teaching and small group direct interviewing skill development. The clerkship rotation engages students with inpatient, outpatient, child and youth, and emergency psychiatry. We are proud of our undergraduate training and continually receive positive student evaluations.

LEADERSHIP

The Royal College residency training program is under the direction of Dr. Davidson (Saskatoon), and Regina site director Dr. Reddi. The provincial clerkship director is Dr. Baillod (Saskatoon), with Dr. Chen as Regina lead, and Dr. Cooper as Prince Albert lead. CME is under the steady directorship of Dr. Lau, and our family medicine resident rotations are facilitated by Dr. De Souza.

The department provides opportunities for faculty teaching development by encouraging participation in local programs offered through the College of Medicine (CoM) faculty development office as well as mini-workshops on exam question preparation, guidance on large group teaching strategies, and standardized approaches to small group clinical skill teaching.

DEVELOPMENTS

This year, Dr. Porter assumed directorship of the Pre-Clerkship Clinical Skills module and created a video of a model interview for the students to view to better prepare for patient interviewing. Dr. Sarda, who provides a key role and support to Dr. Bennett in directing the Foundations module, developed an innovative approach to teaching the medical implications of marijuana legalization through a critical appraisal and patient education exercise. Dr. Riou, PGY4, leads a stigma awareness curriculum beginning in first year and continuing with a “stigma reflection” essay exercise in year two during Foundations.

The Department of Psychiatry education programs can only be delivered through the competent and often the patient understanding of administrative personnel. The department extends sincerest gratitude to all of the support staff at each site who effectively coordinate and administer the education programs.

“Passionate and dedicated leadership fosters interest amongst students to meet the future of psychiatry resource needs in the province of Saskatchewan.”

- Education Director
Dr. V. Bennett
UNDERGRADUATE MEDICAL EDUCATION

It has been an exciting year in undergraduate medical education. After all of the hard work that was put into accreditation, we were thrilled (and relieved) by the news that the College of Medicine had received full accreditation for the undergraduate program. Although the pressure is now reduced, it is important we continue working to ensure we provide a high-quality learning experience for students.

We recently received the results of the 2018 MCCQE. This year, U of S students had a 98% pass rate with scores above the national average! This exam has been a thorn in the side of the university for many years, so these results are very encouraging. We hope that these results will be replicated in the future.

In recent years we have had an increasing number of clerks requesting to do electives in our department. This is very encouraging as it indicates more medical students are considering pursuing a career in psychiatry. I would like to extend my appreciation to the members of the department for graciously accommodating these elective requests. Please continue to do so in the future!

-Clerkship Director
Dr. A. Baillod

SUMMER STUDENTS & SUPERVISING FACULTY

Each year the department hosts medical students involved in Dean's Summer Projects, and students from other fields of study, who join our faculty for a variety of research projects.

The Department of Psychiatry, Saskatoon, releases an internal bi-monthly newsletter to keep faculty, residents and partners up-to-date on research, awards, and other relevant department news.
POSTGRADUATE MEDICAL EDUCATION

The Psychiatry Residency Training Program at the University of Saskatchewan is distributed across two sites on the Saskatoon and Regina campuses. This past year, there were 22 residents in Saskatoon and 11 residents in Regina.

RESIDENT PROGRAM INNOVATIONS

Over the past year, faculty, residents and staff at both the Regina and Saskatoon sites have continued to participate in curriculum renewal. This academic year we piloted our new PGY2 psychopharmacology curriculum. Dr. M. Sarda, child psychiatry, has piloted a child psychiatry field note for assessing residents on their core child and adolescent psychiatry rotation.

RESIDENT MEDICAL EDUCATION SCHOLARSHIP

Dr. K. Riou was awarded the Medicine and Society UGME Curriculum Committee grant to support her medical education scholarly project on stigma in mental health.

Drs. K. Riou (Saskatoon), and N. Patel (Regina) were awarded the Department of Psychiatry Resident Teaching Awards for their outstanding contribution to medical education and excellence in teaching.

RESIDENT RESEARCH

The residents have been active in research over the past year under the guidance of Dr. R. Bowen and with support from I. Szelest and E. Karreman. A number of residents presented posters at the Saskatchewan Psychiatric Association Scientific Conference and Annual Meeting, with Dr. A. Mitchell receiving first place and Dr. N. Selvendrarajah receiving second place.

Drs. K. Docter, E. Peters and J. Pylypow were awarded the College of Medicine Vice-Dean Research Prize for Resident Research in Psychiatry.

-Postgrad (PGME) Director
  Dr. M. Davidson

-Postgrad (PGME) Assistant Director
  Dr. M. Clark

-Postgrad (PGME) Associate Director
  Dr. K. Reddi

For more information, visit: medicine.usask.ca/psychiatry
# RESIDENT JOURNAL CLUB

## Saskatoon

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<th>Date</th>
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<td>Jul. 28/17</td>
<td>Dr. D. Chong</td>
<td>Effect of adjunctive raloxifene therapy on severity of refractory schizophrenia in women in a randomized clinical trial</td>
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<td>Aug. 25/17</td>
<td>Dr. A. Robson-MacKay</td>
<td>The unified protocol for transdiagnostic treatment of emotional disorders compared with diagnosis-specific protocols for anxiety disorders</td>
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<td>Sept. 22/17</td>
<td>Dr. J. Frost</td>
<td>Gaze-contingent music reward therapy for social anxiety disorder: a randomized controlled trial</td>
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<td>Oct. 27/17</td>
<td>Dr. N. Garrett</td>
<td>Psychobiological response to pain in female adolescents with nonsuicidal self-injury</td>
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<td>Nov. 24/17</td>
<td>Dr. A. Tancred</td>
<td>Better than sleep: theta neurofeedback training accelerates memory consolidation</td>
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<td>Dec. 22/17</td>
<td>Dr. A. Gandham</td>
<td>Cannabis use and hypomania in young people: a prospective analysis</td>
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<td>Jan. 26/18</td>
<td>Dr. C. Sutherland</td>
<td>Methylphenidate for apathy in community dwelling older veterans with mild alzheimer’s disease: a double-blind, randomized, placebo-controlled trial</td>
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<td>Feb. 23/18</td>
<td>Dr. N. Gattey</td>
<td>Variables associated with the subjective experience of coercive measures in psychiatric inpatients: a systematic review</td>
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<td>Apr. 27/18</td>
<td>Dr. E. Peters</td>
<td>The clinical effectiveness and cost effectiveness of lamotrigine in borderline personality disorder: a randomized placebo-controlled trial</td>
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The cultivation of a monthly ‘meeting of minds’ in which faculty, residents and medical students come together to practice critical appraisal skills and discuss the clinical relevance of medical literature.

Regina

Sept. 26/17
Dr. S. Sahlu
The management of depression during pregnancy: a report from the American Psychiatric Association and the American College of Obstetricians & Gynecologists

Oct. 24/17
Dr. N. Patel
Quetiapine v. lithium in the amaintenance phase following a first episode of mania: randomized controlled trial

Nov. 28/17
Dr. M. Gandhi
Staff experiences and perceptions of working with inpatients who are suicidal: qualitative analysis

Jan. 09/18
Dr. N. Selvendrarajah
Clozapine response rates among people with treatment-resistant schizophrenia: data from a systematic review and meta-analysis

Feb. 13/18
Dr. A. Sahanan
Collaborative care for psychiatric disorders in older adults: a systemic review

Mar. 13/18
Dr. F. Peluola
Comparative efficacy and acceptability of 21 antidepressant drugs for the acute treatment of adults with major depressive disorder: a systematic review and network meta-analysis

Apr. 10/18
Dr. A. Atigari
Risk assessment and “On Call” (what we need to know)

May 08/18
Dr. J. Waterhouse
Trial of prazosin for post-traumatic stress disorder in military veterans

Jun. 19/18
Dr. L. Manikkam
Informal session and guidance for psychiatric history taking, formulation and presentation
Family Medicine Residents (FMRs) who complete a two-year residency program, are assigned a four-week rotation in psychiatry in their first year of residency. In this rotation they are expected to do outpatient clinics in Adult, Geriatric, Child and Youth, and Maternal Mental Health clinics. This is designed to allow them as much of a broad exposure to psychiatry as possible in the limited time they are scheduled to be with us. In addition, they take part in both the crisis call and night/weekend call and the regular departmental learning activities such as resident teaching rounds and departmental rounds.

Our administrative assistant for the education program, Joanie, is currently on leave and Kim has been actively learning the complex scheduling requirements of the rotation and working diligently on managing some recent changes. Unfortunately, due to different circumstances, this year some teaching faculty had to temporarily step back from teaching, leading to some challenges with scheduling. However, following the difficulty in coming up with a full schedule, other faculty have agreed to help out with teaching, allowing the residents to have a seamless learning experience as per their rotation requirements.

We greatly appreciate and value the dedicated and enthusiastic teaching faculty, psychiatry residents and support staff who are always willing to accommodate the family medicine residents learning needs and complex schedule with us.

We have had another year of positive verbal and written feedback from the FMRs, who greatly appreciate the teaching they receive, and we look forward to working with them this year.

-Family Medicine Resident Coordinator
Dr. D. DeSouza

Family Medicine Resident

C. Buffet  S. Hounjet  M. Pearce
B. Canaday  L. Karnes  C. Roh
AJ Donauer  T. Lange  C. Secord
N. Dubois  L. Okunola  K. Strangway
CONTINUING MEDICAL EDUCATION

CME HOSTS TWO ROUNDS EACH MONTH, AVAILABLE REMOTELY BY TELEHEALTH AND WEBEX.

Geriatric psychiatrists led participation in 2017-18: Dr. Thorpe kicked off with an audit of the first year of MAiD in Saskatchewan. She later collaborated with Dr. Baillod in a Section 3-accredited workshop on capacity assessment. Dr. Prasad emphasized compassion in care. Indigenous health was the focus of two presentations: one by Matthew Josdal and Dr. Tait on cultural safety, and the other by the Children’s Advocate, Corey O’Soup, on youth suicides in northern Saskatchewan. While Dr. Adams presented on attachment insecurity and suicidality, Dr. Balbuena, Dr. Marcoux, and Doug Harder highlighted the challenges of suicide research. On the neuroscience front, Dr. Walz disentangled the role of perineuronal nets in psychiatric conditions and Dr. Zhang discussed the basis of low-field magnetic stimulation in the treatment of depression. Dr. Coovadia shared cases of complex partial seizures with psychiatric overtone. Drs. Bodani and Okunola illuminated the various aspects of light in promoting and ameliorating mood symptoms. Hua Li, PhD candidate with Dr. A Bowen, presented on peripartum mood lability. Dr. Pierce, alumnus of the class of ’68, presented the clinician approach to persons with addictions, and Dr. Onaemo, postdoctoral fellow with Dr. D’Arcy, provided a meta-analysis of addictions comorbid with depression and anxiety. This fifth year of the Debate Series saw consultants and residents duel over the necessity of therapist self-disclosure (Drs. Dungavell, Edwards, Hinz, and Riou) and the impact of the media (Drs. Aftab, Gandham, Mela, and Tancred).

-Continuing Medical Education (CME) Director
Dr. B. Lau

Dr. M. Mela presents his case at the debate on June 1, 2018
PSYCHIATRY ROUNDS

Saskatoon

Sept. 01/17
Drs. R. Weiler & L. Thorpe
Medical assistance in dying: multi-source audit of the first year

Oct. 06/17
Dr. W. Walz
Perinuronal nets, synaptic dysfunction and psychiatric illness

Oct. 20/17
Dr. M. Coovadia
Clinical aspects of complex partial seizures (CPS)

Nov. 03/17
Dr. V. Onaemo
A systemic review and meta-analyses of comorbid substance use disorders, cannabis use disorders, major depression and generalized anxiety in nationally representative samples

Nov. 17/17
H. Li, and Drs. A. Bowen, R. Bowen & L. Balbuena
Understanding mood stability in pregnant and postpartum women

Dec. 01/17
Dr. A. Porter
Illustrating rTMS: a case series

Dec. 15/17
Drs. R. Bodani & B. Okunola
Persecuted by the light?

Jan. 05/18
D. Harder, Dr. G. Marcoux, Dr. L. Balbuena, L. Letwiniuk & Dr. K Boctor
Suicides in Saskatoon 2012 to 2016

Feb. 02/18
Dr. Y. Zhang
Low-field magnetic stimulation (LFMS) as a new treatment for major depression: transition from basic science to clinical study

Mar. 02/18
Dr. G. C. Adams
The story of attachment: how attachment insecurity impacts mental health, treatment utilization and suicidal risk

Mar. 16/18
Dr. R. Prasad
Compassion in care for individuals with severe and persistent mental illness

Apr. 06/18
M. Josdal & Dr. C. Tait
Cultural safety and trauma informed care: scoping review

Apr. 20/18 — Debate
Drs. T. Hinz, S. Dungavell, K. Edwards & Dr. K. Riou
How far is too far?: a debate on therapist self-disclosure

Jun. 01/18 — Debate
Drs. H. Aftab, A. Gandham, M. Mela & A. Tancred
This house believes the various platforms for media have a negative impact on the health and well-being of those living with mental disorder

Jun. 20/18 — Debate
C. O’Soup
Shhh...LISTEN!! We have something to say: youth voices from the north
The scope of the rounds respect the diverse background of the audience. Thought-provoking research rounds ground our understanding and provide windows into future directions, while others with stronger clinical focus provide practical and fresh perspectives on the therapeutics. The debate series stimulate lively conversations on timely and controversial topics, encourage critical evaluation of opinions and evidence, and promote understanding and appreciation for different perspectives.

For more information, visit: medicine.usask.ca/psychiatry
Psychiatric clinical services span the continuum of care from community to acute care and back. The department provides clinical care to all ages, from child & adolescent to adults and geriatric. Forensic psychiatry is a specialized service that spans various ages and locations, whether community or forensic settings. The clinical services are in partnership with Mental Health & Addiction Services.

Partnership with
MENTAL HEALTH & ADDICTION SERVICES

Mental Health & Addiction Services (MHAS) is a partner with the Saskatchewan Health Authority. MHAS works in close collaboration with the Department of Psychiatry on a daily basis. This year, MHAS worked with psychiatrists on many quality improvement initiatives throughout the department. MHAS is also a partner in several research initiatives led by the Department of Psychiatry faculty.

Evidence-informed care has been a focus this year, as well as the management of high acuity and addressing the pressures of increased demand. New budget investments in areas such as Child & Youth will help us to ensure every child who needs help will receive it. A special thanks to many of the psychiatrists, researchers and Provincial Head, Dr Baetz, for working so closely with us to plan the best possible care delivery system for our clients and patients.

New initiatives this year included: opening of the Mental Health Assessment Unit; Crystal Meth Provincial Working Group; three additional PCOMS Certified Trainers — Crystal Petryk, Shawna Materi, Leah Tetreault; expansion of Services to Refugees; Day Hospital Program; expansion of Family Program (Dubé); Rapid Assessment Clinic; Naloxone expansion; implementation of Patient First Management System (PFMS); and completion of Leadership in Lean Training (LILT).

-MHAS Director
Tracy Muggli

-MHAS Director
Karyn Kawula
PATIENT SERVICES

CRISIS AND 24HR EMERGENCY

- There were a total of 9,174 mental health visits to all three hospital sites in 2017-18. 24% of these were referred for a psychiatry evaluation (2,167 patients) — a decrease of 13% consults from last year even though our total mental health visits were up by 8%. This was in large part due to the establishment of the new Rapid Access Clinic which helped to quickly deal with urgent but not emergent patients attending the ER.

- 35% register during the day, 43% in the evening and 22% after midnight — this is consistent with previous years.

- Age breakdown includes: 15% pediatric (17 and under) up by 3%, 79% adults (18-64), and 6% seniors (65+).

- 20% of all mental health visits require an admission, which is approximately 60% of those seen by psychiatry.

- The average wait time for an inpatient bed is 18 hours with the 90 percentile at 45 hours. These wait times have increased significantly and are a factor for overcrowding in ER — we hope to see some relief with the new Mental Health Addictions Unit.

DUBÉ INPATIENT UNIT

- There are 54 bed for adults and 10 beds for children.

- There were 908 adult admissions with Thursday and Friday being the busiest.

- There were 978 adult discharges with Monday and Friday being the busiest.

- There were 267 child admissions with Tuesday being the busiest.

- There were 292 child discharges with Friday being the busiest.

- 81% of adult patients and 72% of child patients live in Saskatoon, and 19% and 18% respectively are rural based.

RAPID ACCESS CLINIC

- The Rapid Access Clinic for patients referred from the emergency room was expanded in the fall of 2017. This service was provided by Drs. C. Chicoine, A. Masood, M. Rahmani, and most recently by R. Lodhi, and is a support to the Mental Health Transition team.

- This service runs around 60 referrals per month with 57% from ER physicians and 43% from psychiatry.
COMMUNITY PATIENT CARE

MATERNAL MENTAL HEALTH

Drs. Huma Aftab and Marilyn Baetz provide antenatal/postpartum consultation and care to women with perinatal psychiatric concerns.

SEVERE AND PERSISTENT MENTAL ILLNESS

Drs. Gene Marcoux and Kevin Kok provide services to individuals with severe and persistent mental illness through the Mental Health Clinic at Queen Street and Duchess Street.

EARLY INTERVENTION IN PSYCHOSIS

Drs. Steve Adams, Malin Clark and Tamara Hinz provide team-based care to individuals in the early stages of severe psychotic illness.

STUDENT HEALTH CLINIC

For another year, we have been fortunate enough to have with us Drs. A. Holt, H. Lowry, S. Dungavell and Y. Zhang. Together this year (August 2017-August 2018) they completed 1,036 appointments, with 350 unique clients. Top diagnoses include anxiety, ADHD, depression and BPAD.

Our wait times remain a challenge, with an average of 255 days for non-emergent referrals. We have instituted a collaborative care team approach, which consists of weekly consultations between a psychiatrist and our GPs, and anecdotally, we have seen a small decrease in our wait time and inappropriate referrals. Quantifying this work is a goal for the next year.

Our sources of referral are essentially half internal, half external. We rely on our psychiatrists to triage all the referrals. This year is we hired a full-time mental health nurse in partnership with the SHA. This nurse assists with patients and in our efforts to reduce wait times, and coordinates collaborative care team meetings. This will soon be a permanent position.

With our growing demand for mental health services, the psychiatrists provide our team with essential support, and often lifesaving interventions for students at risk.

-Manager, Student Wellness Centre
Jocelyn Orb
NORTHERN MEDICAL SERVICES PSYCHIATRY CLINICS

Dr. S. Dungavell provides fly-in and remote psychiatric services to three communities in Northern Saskatchewan — La Loche, La Ronge and Stony Rapids. Child psychiatry services for La Ronge are provided by Drs. M. Denis and D. Quinn.

COMMUNITY OUTPATIENT CLINICS

Thirty psychiatrists provide full or part-time outpatient psychiatric care with a combination of general and subspecialized care in the following areas: general adult, anxiety & mood disorders, neuropsychiatry, neurostimulation, psychotherapy, adult ADHD, forensic, LGBT focused, sexual medicine, sleep disorders, and addictions.

QUALITY IMPROVEMENT INITIATIVES

We have taken significant quality improvement initiative to improve patient experience and flow:

HANDOVER
A common call-in time was devoted for handover of patients in ER & Acute Care to ensure continuity of care.

RAPID ACCESS CLINIC
Focus is on increasing quick access capacity, diverting from ER consultation or admissions and decreasing ER revisits.

POOLED WAITLIST
Both Child & Adolescent and Adult divisions are exploring waitlist solutions with the Ministry of Health Strategic Priorities Branch.

STANDARDIZED MANAGEMENT OF AGGRESSION PROTOCOL
Working with ER colleagues and inpatient interdepartmental care for evidence based and consistent approaches for pharmacologic margins of aggression.

CHILD WAITTIMES & TRIAGE NURSE
The Child & Adolescent division has adopted a pilot project to measure the benefit of using a triage nurse to help with long wait times.

QI ACUTE CARE COMMITTEE
Development of an interdisciplinary committee to work on patient flow, quality and safety.
Child psychiatry has had an active year with many transitions. We were sad to say good-bye to Dr. A. Villagomez in the fall, who has returned to Texas to be closer to family. We have also said farewell to Dr. E. Cherland, who retired in June after a highly productive 30-year career with the U of S. Our year-long, world-wide recruitment effort has been a success, and Dr. M. Nsirim will be joining us from Ireland this November.

CLINICAL SERVICES

We are pleased with the development of the Provincial Health Authority over the last year. We hope this affords us the opportunity to liaise with other larger centres to develop a more cohesive plan for provincial child psychiatry services. In Saskatoon, we are working towards building team-based care for our on-call, inpatient and outpatient services, and continue to partner with Northern Medical Services to further develop child psychiatry services in La Ronge.

Our outpatient waitlist continues to be of great concern to us, as patients wait up to two years for a non-urgent consult. In the first half of 2018 we had two wonderful additions to our team to help with wait times — Dr. R. Kozakavich, a family physician in Saskatoon, retired from general practice, and now works part-time in our office seeing routine ADHD consults, and Amy Glass, registered nurse, joined our team as a triage nurse, and has been highly effective in helping to reduce our waitlist. We are working closely with the SHA and the Provincial Government to create more strategies to reduce our wait list.

EDUCATION

We continue to be highly involved in teaching at every level within the medical school, from Med-1 through to subspecialty trainees. In 2017 we invited two residents into our subspecialty training program — Dr. N. Garrett started with us in July 2018, and Dr. J. Frost will start in the fall of 2018. As we expand our program, we hope to develop subspecialty training opportunities with our colleagues in Regina. We are working with the U of S CME branch, and the Sask. Government to bring a child psychiatry education program, namely Can-REACH, to our province.

RESEARCH

We have several projects underway, related to the WHO-DAS rating scale, mood lability in ADHD, and inpatient service delivery. Our senior subspeciality resident, Dr. J. Pylypow, received a grant for a study with Dr. D. Quinn, correlating adolescent self-reported irritability with parental observation and DSM-V Diagnosis. Dr. Pylypow presented in Germany and Quebec City in the fall of 2017.

We prize our department’s number one value — collegiality — and are deeply thankful for the supportive working relationships that exist within our division as we serve our patients and families.

-Child & Adolescent Psychiatry Division Head
Dr. A. Felstrom
FORENSIC PSYCHIATRY DIVISION

It is my privilege to report on another successful year as head of the Forensic Division. Our division includes several psychiatrists and psychologists, a law professor and a professor in Indigenous studies. The Forensic Division is actively involved in training psychiatry residents and teaching undergraduate medical students at the U of S. Several members of our division have on-going collaborations with the Centre of Forensic Behavioral Science and Justice Studies and the Faculty of Law. Professor Glen Luther and Dr. M. Mela (members of the division) teach law and psychiatry seminars to both law students and psychiatry residents.

Our division is an important part of Saskatchewan Forensic Mental Health System which provides both inpatient and outpatient services. The division promotes clinical care, education and advocacy in mental health and has the following major sites: Dubé Centre-RUH, Regional Psychiatric Centre, Saskatchewan Hospital in North Battleford, Saskatchewan Review Board, provincial correctional facilities and forensic outpatient clinics/programs.

We currently offer training as one of seven Royal College accredited subspecialty residency programs in forensic psychiatry. We are ready and optimistic about activating the program this year.

RESEARCH

There are currently several studies underway in the Department of Psychiatry, Forensic Division, which can be viewed in further detail in the Research section of this report.

Dr. Mela, with his research team and collaborators, has done extensive work in the area of FASD, with the following projects: Correctional Services of Canada Regional Psychiatric Centre FASD pilot project: establishment of an unprecedented FASD screening and diagnostic clinic; FASD and Psychotropic Medications Algorithm: development of a psychotropic medication algorithm to guide prescribers when caring for patients with FASD; Systematic Review on best practices for FASD-informed care in mental health and addictions; Clinical recommendations survey for a clinical pathways for adults with FASD & mental health/addictions; Utilizing CanFASD data form to investigate the relationships between FASD, mental disorder and utilization of psychotropic medications; Systematic review of the role of medications in FASD; Offenders with mental disorder in an outpatient psychiatry setting: an investigation of neurocognition and FASD; The impact of forgiveness training on internal offending and recidivism; and, The impact on childhood trauma on offending and recidivism.

In addition, Dr. Adelugba has studied psychotropic medication prescription patterns in three hospitals (Dubé, RPC, Saskatchewan Hospital).

-Forensic Division Head
Dr. A. Baziany

For more information, visit: medicine.usask.ca/psychiatry
GERIATRIC PROGRAM

CLINICAL SERVICES

We now have five geriatric psychiatrists within the Department of Psychiatry. As a group we provide inpatient and outpatient care, services to long-term care, consultation-liaison services, and services for seniors in their homes. Geriatric Psychiatry interfaces with Mental Health and Addictions Services (MHAS) Seniors Program, and Seniors Health and Continuing Care (SHCC) Behavior Support Team to form the Seniors’ Mental Health Team, which provides consultation to nursing homes. Geriatric Psychiatry services are also provided to the Northern Specialty Dementia Program, Dementia Behavior Assessment Team and a five-bed unit located at Parkridge Centre. The unit provides comprehensive, short-term assessment for individuals with dementia and related high-risk needs. Outreach support will be provided by the resource team to assist care providers, families and other support persons in meeting the care and safety needs of clients in their home community. Through collaboration with MHAS two groups are facilitated: Enhanced Cognitive Behavioral Therapy for Seniors with Depression and Anxiety; and Anxiety Management.

EDUCATION

As a group we have continued to be active in teaching. Didactic sessions and clinical rotations were provided to undergraduate medical students, and family medicine residents. Four psychiatry residents completed their six-month core clinical geriatric psychiatry rotation this past year, and the geriatric psychiatrists collaborated to provide weekly tutorials on topics in geriatric psychiatry for the residents. The geriatric psychiatrists provide CME activities for health care professionals and caregivers who provide care for seniors with mental illness.

RESEARCH

We have continued to be active in research over the past year. Dr. Thorpe and colleagues worked with the Health Quality Council to explore the pattern of hip fractures in Saskatchewan long-term care facilities, with the goal of exploring potentially modifiable factors, such as use of psychotropic medications. Research has also been done in the areas of: end of life care, factors contributing to practitioner choice, Montessori based interventions, and epilepsy in elderly people. Publications related to this research, and more, can be found in the Research section of this report.

LOOKING AHEAD

We continue to experience an increased demand on our services, which has been a challenge for the team. At just 15% of national benchmarks for Geriatric Psychiatry resources, we struggle with limited resources. We will continue to advocate for increased recruitment of geriatric psychiatrists and increases in staffing for the outreach team with nurses and social work. As a team we will continue to work toward providing optimal services to the geriatric population.

-Geriatric Psychiatry Team
Drs. A. Baillod, M. Renuka-Prasad,
M. Davidson, R. Uku, L. Thorpe
INTER-DEPARTMENTAL AWARDS

PROVINCIAL HEAD AWARD — SASKATOON

This award recognizes excellence for leadership in academic psychiatry which ultimately lead to improvements in clinical psychiatric care. The recipient of this inaugural award was Dr. E. Cherland who has had a career of sustained leadership excellence in academics and clinical roles, including serving as Division Head of Child Psychiatry for 10 years. Dr. Cherland retired in June 2018.

FACULTY TEACHING AWARDS

Faculty Teaching Awards are presented annually to recognize outstanding contribution in psychiatric medicine. Saskatoon’s award was presented to Dr. M. Mela, and Regina’s award was presented to Dr. J. Chen.

RESIDENT TEACHING AWARDS

Resident Teaching Awards are presented annually to recognize outstanding contribution in psychiatric education. Saskatoon’s award was presented to Dr. K. Riou, and Regina’s award was presented to Dr. N. Patel.

EXTERNAL AWARDS

SHRF

Dr. L. Balbuena received the 2017-18 Sask. Health Research Foundation’s Top Establishment Grant in Socio-Health Research.

SRMA

Dr. G. Marcoux received the 2017 Saskatchewan Regional Medical Association’s Exceptional Service Award.
NEW MENTAL HEALTH ADDICTIONS UNIT
A new Mental Health Assessment Unit opened in RUH ER in April 2018. The new unit was realized through joint efforts between the Ministry of Health, the Royal University Hospital Foundation and the Dubé family. This project recognizes the need for private intake and assessment units within emergency for patients dealing with mental health related issues.

ANNUAL FAMILY BBQ
More than 90 psychiatrists, staff, residents, researchers, students and their families attended the 2018 Department BBQ on June 25, 2018. Interdepartmental awards were given out for: Provincial Head Award, two Faculty Teaching Awards, and two Resident Teaching Awards.

DEAN’S SUMMER STUDENT PRESENTATIONS
The Dean's Summer Student Program gives UGME students exposure to scientific research, which will assist them later in their careers. On July 21, 2017, students presented the culmination of their summer work to faculty and staff.

WOMEN OF INFLUENCE BREAKFAST
On November 2, 2017, members of the department attended the 15th annual Women of Influence Breakfast. Three women spoke about their leadership roles and achieving success in their respective fields.

A VISIT FROM CHINA
On May 30, 2018, the Department of Psychiatry welcomed a visit from a Chinese delegation led by Professor Yanqing Tang, Dean in the Department of Psychiatry at China Medical University. Enhancing research collaboration was the focus for the visit, which was initiated by Dr. Yanbo Zhang, who has established research collaborations with Dr. Tang.

SPECIAL LECTURE BY DR. ALEXANDRA KING
On March 7, 2018, Dr. Alexandra King of Nipissing First Nation in Ontario, and Cameco Chair in Indigenous Health gave a special presentation on Indigenous health research. A specialist in internal medicine focusing on HIV and hepatitis C, she also teaches Indigenous health and has mentored students at both the undergraduate and graduate levels, focusing on wellness intervention research with Indigenous people.

ANNUAL CHRISTMAS LUNCH
On December 19, 2017, the Department of Psychiatry held its annual Christmas party at the Dubé Centre with a traditional Christmas dinner and carolling presented by the “Singing Shrink.

SPECIAL ROUNDS BY COREY O’SOUP
On June 15, 2018, Saskatchewan Children’s Advocate, Corey O’Soup, gave a psychiatry rounds titled, “Shhh...LISTEN!! We have something to say: youth voices from the North.” This lecture provided the perspective of youth voices in Northern Saskatchewan, and the contributing factors and the solutions for youth suicide, as well as the need for youth engagement and accessible mental health resources in Northern Saskatchewan.
Research on mental health, with the ultimate goal to provide optimal, evidence-based and patient-oriented care to people in need, is an integral part of the scholarly activities in the Department of Psychiatry. Clinical, applied and basic research conducted by faculty, residents, students and staff in the department has thrived with progress in psychiatric genetics (Drs. D Mousseau and L Balbuena), behavioral sciences (Drs. C Adams, M Denis, R Bowen), neuroscience (Drs. D Mousseau, Y Zhang, M Mela), psychopharmacology (Drs. D Quinn, D Mousseau), pedagogy of psychiatry (Drs. M Davidson and V Bennett), innovative non-invasive therapeutic interventions (Dr. Y Zhang), and computational psychiatry and artificial intelligence (Dr. L Balbuena) having been well integrated into their multidisciplinary studies. The diversity of research in the department is demonstrated by successful and well-established research programs, from child psychiatry to adult and geriatric psychiatry, from addiction to forensic psychiatry, and from public health to Indigenous research (Dr. C Tait). Such unique research environment not only fosters collaboration within the department but also creates opportunities for interdisciplinary studies and collaborations. Research in the Department of Psychiatry has established and maintains numerous university-wide (e.g., Department of Anesthesiology, School of Public Health, College of Law), provincial (University of Regina), national and international collaborations.

In the 2017/18 academic year, the fruitful success of our research was acknowledged by 31 peer reviewed manuscripts and three book chapters/reports. Psychiatry research was also highlighted via 73 oral and/or poster presentations by faculty and their trainees at local, national, and international conferences. Our department currently has 82 active grants totalling more than $16.5 million dollars, and our faculty had a very successful year in securing additional research funding, notably the Top Establishment Grant from Saskatchewan Health Research Foundation on “Neuroticism and mood instability as suicide prevention targets” (Dr. L Balbuena).

MENTORSHIP

Mentorship is considered a core part of the research agenda in the department. Forty-one trainees gained knowledge and research skills during 2017/2018 academic year. We are enthusiastic about our next generation of scientists and clinicians, as they have actively participated in research and also brought various innovative ideas to the department.

LOOKING AHEAD

This year, we welcome Dr. Rohit Lodhi whose research on “Treatment of weight gain and metabolic syndrome in psychotic patients on clozapine using psychostimulants” is highly expected to enrich our research profile.

The Department of Psychiatry is looking forward to implementing a strategic plan that will strengthen research profile of the department and further improve the impact of mental health research on optimal patient care.

-Research Facilitator
Dr. M. Alaveradashvili
ATTACHMENT RESEARCH LABORATORY
Dr. G. C. Adams

We have had a productive 2018 so far with three papers being accepted. Undergraduate medical student Galilee Thompson, who was a Dean's summer student with us in 2015, had her manuscript, “The roles of attachment and resilience in perceived stress in medical students,” accepted by Canadian Medical Education Journal. Galilee led this project from the inception of the idea through to finishing her manuscript during a research elective at the end of 2017. We are also very happy to report that she matched at UBC Vancouver for her psychiatry residency.

Our article, “The relationship between adult attachment and mental health care utilization: a systematic review,” was accepted by The Canadian Journal of Psychiatry in April. Dr. X. Meng at McGill University was a great collaborator on this paper. We look forward to working with her in the future. Finally, we had our paper, “Self-injurious behaviours and adult attachment: a review of the literature,” accepted by Archives of Suicide Research.

CELL SIGNALLING LABORATORY
Dr. D. Mousseau

Dr. Mousseau is the Saskatchewan Research Chair in Alzheimer Disease and Related Dementia, and Director of the Cell Signalling Laboratory. His major research objective is to determine what biochemical events are common to depression and Alzheimer disease (AD) so as to identify modifiable targets in the depressed brain that could stay the onset of AD in vulnerable individuals.

As well, Dr. Mousseau is examining depression-related targets in models of diabetes (insulin resistance) and in breast cancer. The Cell Signalling Laboratory members include: two post-doctoral fellows, Drs. M. Quartey and J. Nyarko; a laboratory manager, Paul Pennington; a technician, Ryan Heistad; and two MSc. students, Kaeli Knudsen and Lisa Poon.

The Cell Signalling Laboratory collaborates with individuals across the U of S campus and Canada.
CHILD & ADOLESCENT PSYCHIATRY  
Dr. D. Quinn

Studies taking place in Child and Adolescent Psychiatry division include: **Self-reported irritability and adolescents** — Irritable teenagers as reported by parents have high rates of depression, anxiety and substance use disorders 20 years later. Irritability is also an independent risk factor for suicide. This study is working on how parental reports of irritability in teenagers and adolescent self-reports correlate. The irritability rating scale has been developed by Drs. Pylypow, Quinn and Balbuena.  **Mental Health impairment in children and adolescents** — This study, by Dr. Denis, is almost complete. Using the World Health Organization disability scale, it assesses impairment for a rating scale.  **Metabolism of THC, CBD-1 and 2 in children and adolescents** — This study looks at plasma levels of THC, CBD-1 and CBD-2, and involves colleagues in the College of Pharmacy, namely Dr. Alcorn. The focus is on determining the pharmacokinetics of marijuana in adolescents. **Measurement of sustained attention in children and adolescents with ADHD** — With an aim to measure attention in children and adolescents with ADHD, this study will involve comparing two different CPT tests. **Measurement of variability in attention and individuals with ADHD** — The issue of variability in attention in children with ADHD has been poorly stated. A research proposal is being prepared to access data already completed and collected. Ethics approval is required to study this data.  **Obesity in children and adolescents on 2nd generation antipsychotics** — A medical student is developing a protocol to be able to assess height, weight and BMI for all adolescents admitted to the inpatient unit, to evaluate the presence of obesity and overweightedness in this population and the association with 2nd generation antipsychotics.

COMPUTATIONAL PSYCHIATRY GROUP  
Dr. L. Balbuena

The Computational Psychiatry group — Lisa Dong MS, MSc, Sara Khalaj MSc, MD, and L. Balbuena PhD (PI) — uses data from electronic medical records, national surveys, administrative records, smartphones, and patient and health worker perspectives. They investigate a wide range of topics including suicide, mood instability, neuroticism, emotional dysregulation, health services utilization, and social determinants of mental health.

They supervise students: Sharmin Sharker, co-supervised with Professor Cindy Feng (School of Public Health); and Mei Dong, co-supervised with Professor Longhai Li (Department of Mathematics and Statistics). Funding is provided by Saskatchewan Health Research Foundation, RUH Community Mental Health Fund, MITACS, Psychiatry intramural funds, College of Medicine, and the University of Saskatchewan.

They are grateful to their many collaborators: Mr. D Harder, MSW and Ms. L Letwiniuk, RN (Sask. Health Authority); Drs. R Bowen, E Peters, K Doctor, M Baetz, D Quinn, Y Zhang, J Pylypow, G Marcoux, R Lodhi, N Osgood, C Feng, L Li, A Bowen, J Bally, L Wright, J Poudrier, D Goodridge, J Gamble, and E Li (U of S); Dr. A L Brantsaeter (Norwegian Institute of Public Health); Dr. A John (Swansea University Medical School); and Dr. F Tropf (Oxford University).

For more information, visit: medicine.usask.ca/psychiatry
EDUCATIONAL RESEARCH
Dr. M. Davidson

Dr. Marla Davidson's major research interest is in the pedagogy of psychiatry for tomorrow’s physicians. Dr. Davidson is an expert in developing innovative teaching strategies and in psychiatry resident training scholar curriculum implementation and evaluation.

INDIGENOUS RESEARCH
Dr. C. Tait

The First Peoples - First person Indigenous Hub plays a central research, policy, and knowledge dissemination role in collaborating with Indigenous peoples of Canada for vast improvements in wellness, healing, mental health, and addictions supports and services.

This year, Dr. Tait and her research team completed community consultations across Saskatchewan, which culminated in a Child Welfare Report for the Federation of Sovereign Indigenous Nations (FSIN). They have also been working closely with the Métis Nation of Saskatchewan (MN-S) to develop a Métis Data Governance report and recommendations as they pertain to Métis health data.

Dr. Tait was awarded the Saskatchewan Indigenous Mentorship Network, a five-year CIHR training grant in June 2017 which recently hosted its first Annual Gathering and will continue to create mentorship opportunities for Indigenous students and new investigators in Saskatchewan to address the TRC’s calls to action on health research endeavors.

Dr. Nyarko, a post-doctoral researcher with the Cell Signalling Laboratory, is shown working with cell cultures. Dr. Nyarko co-authored (with Dr. Quartey) several of the papers Dr. Mousseau’s team published this year.
MOOD & ANXIETY
Dr. R. Bowen

Most of Dr. Bowen's research has been on mood instability (MI), which they have shown is the essential component of neuroticism and the antecedent to anxiety and mood disorders.

MI is not well treated by antidepressants. Their main medication interest is on the mood stabilizers, and they are currently collaborating with computer science on a smart-phone study clarifying the role of MI in suicidal ideation among inpatients.

They have worked on clarifying neuroticism's role in suicidal ideation and role of anxiety and MI on impulsivity, and collaborated with anaesthesia on the ketamine studies and with nursing on maternal health and MI.

Dr. Bowen has collaborated with several researchers in the department, as well as residents and students with similar interests on mood instability and mood regulation.

PSYCHOLEGAL AND FASD RESEARCH LABORATORY
Dr. M. Mela

As a Diagnostic Research Lead for Canada's comprehensive national Fetal Alcohol Spectrum Disorder (CanFASD), Dr. Mela's research has focused on FASD and the overlap with mental disorder, often including a forensic lens.

Over the past year, Dr. Mela's research activities have included various presentations at the National and International FASD conferences as well as the International Congress on Law and Mental Health. Other highlights included the publication of a response to the National Mental Health Strategy and a systematic review on the use of psychotropic medications in patients with FASD.

Collaborative projects the lab was involved in this year include an investigation into FASD informed care for mental health and addictions, a pilot project looking at FASD in the Emergency Room, and utilizing the CanFASD database to investigate the relationships between FASD, mental disorder and psychotropic medications.

Dr. Mela has also led an expert panel in the unprecedented development of a medication algorithm for FASD, to be released later this year.
SOCIAL AND PSYCHIATRIC EPIDEMIOLOGY RESEARCH GROUP (SPERG)
Dr. C. D’Arcy

SPERG is a research group with an interest in social and psychological and epigenetic risk factors for mental illnesses and mental health including the prevention of mental disorders. The research involves population health and epidemiological paradigms and analyses of quantitative data from administrative databases, clinical files and large-scale community health surveys.

As well as being a member of the Department of Psychiatry, Dr. D’Arcy is also the Academic Director for the Sask. Research Data Centre (SKY-RDC), has an appointment as Chair and teaches in the School of Public Health (SPH) at the U of S, and is a guest professor in the School of Public Health, Jilin U., China. SPERG collaborates with the clinical faculty in the Department of Psychiatry, other researchers across campus, nationally (McGill) and internationally (Jilin U., China, and the U. of Macau).

GROUP MEMBERS INCLUDE: T Chambers-Richards, BSc(MT), MPH (Epi), PhD(c); Y Su, BSc(Prev Med), MSc (Epi), PhD(s); K Alphonsus BSc (Hons), MPH, PhD(c); M Li, BASc, MPH, PhD(c); B Chireh, BEd, MSc (Epi), PhD(c); V Onaemo, MBBS, MSc(PH), PhD(c).

TRANSFORMATIONAL RESEARCH LABORATORY
Dr. Y. Zhang

Dr. Zhang is the recipient of the prestigious Iver and Joyce Graham Small Indiana Professorship in Psychiatry and the lead of the Transformational Research Laboratory. Dr. Zhang’s research lab focuses on the efficacy of neurostimulation and cannabis on emotional and cognitive deficits in several neurological psychiatric disorders, including major depressive disorder, schizophrenia, PTSD and multiple sclerosis.

Dr. Zhang has extensive collaborations. On campus, he has joint research projects with Dr. V Verge (Anatomy and Cell Biology) on treatment of myelin deficits, Dr. C Taghibiglou (Pharmacology) on Parkinson’s disease, and Dr. F Cayabyab (surgery) on stroke. Nationally, he collaborates with Dr. X Li (U of A) and Dr. J Antel (McGill), and internationally with Dr. F Wang (Yale), Dr. Y Tang (China Medical U), Dr. Y Zheng (Guangzhou Medical U) and Dr. X Bi (Shanghai Changhai Hospital).

Group members include: J Cohen (master student); Z Wei (research assc.); L Gui (research asst.); Y Zhang (PI); D Kim (undergrad summer student); A Mooshekhian (master student); A Simko (Dean’s Project med student); B Spink (NERC summer student), D Coupal (Dean's Project med student); J Faye (undergrad summer student).
ACTIVE FUNDING
July 1, 2017 - June 30, 2018


Adams G C (PI). “Psychotherapy outcome in clients with anxiety and depression.” Source: Alfred G Molstad trust Fund and Aruna & Kripa Thakur Award, 2015-17, $85,000.

Adams G C (PI), Adams S (Co-PI), Clark M. “Effectiveness of early psychosis intervention program and the examination of risk factors interfering with its use.” Source: Alfred G Molstad Trust and Peter Matthews Enhancement Award, 2018-20, $8,650.

Adams G C (PI), Bodani R (Co-PI). “Does the way we relate in close relationships impact the way we sleep? An exploration of individual attachment on primary sleep disorders and their treatment.” Source: Intramural Alfred G. Molstad Trust/ Laura E. Chapman, 2017-19, $10,000.


Adams G C (PI), D’Arcy C. “The impact of adult attachment on depression severity and trauma recollection over time.” Source: College of Medicine Research Award, 2016-17, $29,280.


Balbuena L (PI). “Distal, proximal and immediate antecedents of suicide.” Source: Provost, Faculty Recruitment and Retention Program, 2016-19, $57,000.

Balbuena L (PI), Bowen A, Bowen R, Ballay J, Brantsaeter A. “Neuroticism and mood instability as suicide prevention targets.” Source: Saskatchewan Health Research Foundation Establishment Grant (first place in category), 2017-20, $119,997.

Balbuena L (PI), Bowen R, Lise A, John A. “Are there dietary and lifestyle factors for the self-prevention of suicide?” Source: Intramural Laura E. Chapman Award for Psychiatry Research, 2016-18, $9,000.

Balbuena L (PI), Davis K, Li L, Feng C. “Is smoking a suicide prevention target?” Source: College of Medicine Research Award, 2017-18, $21,152.

Doctor K. Vice Dean’s Prize, College of Medicine, Resident Research, 2017, $500.


Bowen R (PI), Osgood N, Stanley K, Baetz M. “Smartphone-enabled assessment of mood instability, depression and suicidal thoughts among pediatric inpatients at Royal University Hospital.” Source: Royal University Hospital Foundation Research Grant, 2015-17, $25,000.

Gamblen J (PI), Bowen R (Co-PI), Balbuena L (Co-PI) Li E, Lee S, Peters E (resident). “Prospective randomized double blinded control trial of electroconvulsive therapy with ketamine anesthesia (standard therapy) and high intensity ketamine with electroconvulsive therapy rescue for treatment-resistant depression - EAST HIKER Trial.” Source: Royal University Hospital Foundation Research Grant, 2017-19, $24,327.


D’Arcy C (PI). “Concerning collaboration to support and promote access to and use of microdata (CRDCN) - SKY-RDC.” Source: Canadian Research Data Centre Network Social and Humanities Research Council of Canada, 2017-19, $31,286.

D’Arcy C (PI). “Concerning collaboration to support and promote access to and use of microdata (CRDCN) - SKY-RDC.” Source: Canadian Research Data Centre Network Social Science and Humanities Research Council of Canada, 2016-17, $28,960.


Meng X (PI), D’Arcy C, Brunet A. “Health and lifestyle information survey 2013/14: reserve force data analysis and report writing.” Source: Canadian Institute for Military and Veteran Health Research (CIMVHR), 2016-17, $46,000.


Spencer B (PI), D’Arcy C. “Canadian Research Data Centre Network: integrating new initiatives for a stronger future.” Source: Canadian Institutes of Health Research 2016-17, $28,960.

Davidson M (PI). “1) Multisource feedback of psychiatry resident performance; 2) Developing e-modules for teaching forensic psychiatry for an interdisciplinary law and psychiatry joint seminar and workshop series.” Source: Faculty Recruitment and Retention Program, 2016-20, $47,000.

Davidson M (PI), Mela M (Co-PI), Luther G (Co-PI). “E-Modules for teaching forensic psychiatry for an interdisciplinary law and psychiatry joint seminar and workshop series.” Source: Intramural Merlis Belsher Family Fund in Forensic Psychiatry, 2018-19, $3,100.

Denis M (PI), Quinn D (Co-PI), Raghunath A (resident). “Self-reported impairment and quality of life information from children and adolescents with psychiatric symptoms: the utility of the WHODAS-Child in the Saskatoon Health Region.” Source: Royal University Hospital Foundation Research Grant, 2016-17, $22,780.

Felstrom A (PI). “Understanding inpatient models of care in child psychiatry and their impacts on physician burnout.” Source: Royal University Hospital Foundation Community and Mental Health Research Grant, 2016-17, $5,000.

Knudsen K (MSc student), Mousseau D (supervisor). C. de Carvalho (co-supervisor). MSc Scholarship. Source: CoMGRAD, 2017-19, $46,000.
Knudsen K (MSc student), Mousseau D. “Screening for Alzheimer disease-related toxicity profiles of antidepressant drugs using the C. elegans worm and neuronal cultures.” Source: Intramural Alfred G. Molstad Trust for Psychiatry Research, 2017-19, $3,600.


Mela M (PI). “Fetal alcohol spectrum disorder research, CanFASD.” Source: CanFASD, 2016-17, $60,000.

Mela M (PI), Anderson T. “Prevalence and management of offenders with mental disorder and FASD in outpatient forensic psychiatry; what is and isn’t working?” Source: Intramural Alfred G. Molstad Trust/Aruna and Kripa Thakur Award, 2016-18, $5,000.


Mousseau D (PI). “Depression is a risk for Alzheimer disease.” Source: College of Medicine, 2015-20, $25,000.

Mousseau D (PI). “Depression is a risk for Alzheimer disease.” Source: College of Medicine, 2018-22, $80,000.

Mousseau D (PI). “Depression as a risk for Alzheimer disease.” Source: College of Medicine, matching funds, 2018-22, $100,000.


Mousseau D (PI). “Depression is a risk for Alzheimer disease.” Source: College of Graduate and Post-doctoral studies, 2018-22, $100,000.

Mousseau D (PI), Laprairie, R. “Inaugural Saskatchewan cannabinoid research symposium.” Source: College of Medicine, 2018, $5,000.

Mousseau D MSc stipend. Source: College of Graduate Studies and Research, 2016-18, $30,000.

Mousseau D (PI). “Depression is a risk for Alzheimer disease.” Source: Saskatchewan Health Research Foundation/Alzheimer’s Society of Saskatchewan, 2015-20, $1 million.

Mousseau D (PI). “Using pH-sensitive probes to monitor flipping behaviour of the mitochondrial MAO protein.” Source: College of Medicine Research Award (CoMRAD), 2017-18, $30,000.


Nyarko J (PI), Quartey M, Mousseau D. “The Alzheimer disease-related Amyloid Protein Precursor (APP) alters neurotransmitter metabolite clearance from the brain: implications for neuronal pruning and Autism-like behaviours.” Source: Intramural Aruna and Kripa Thakur Award/ Laura E. Chapman Award for Psychiatry Research, 2016-18, $3,000.


Papish A. “The challenges of medical residency: are they perceived and addressed differently by international medical graduates, Canadian medical graduates and preceptors?” Source: Intramural Alfred G. Molstad Trust/ Peter Matthews Enhancement Award for Child and Adolescent Research, 2016-18, $500.


Peters E (resident). Vice Dean’s Prize, College of Medicine, Resident Research, 2017, $500.

Pylypow J (resident). Vice Dean’s Prize, College of Medicine, Resident Research, 2017, $2,000.

Riou K (resident). “Perspectives of Stigma in Medical Education.” Source: Medicine & Society UGME Fund, 2017, $1,000.
Riou K (resident), D’Eon M, Bennett V, Teucher U. “Comparing medical students experience with stigma at UBC, USASK and UH.” Source: Intramural Peter Matthews Enhancement Award for Child & Adolescent Research, 2016-18, $2,000.


Tait C (PI). “First Peoples-First Person.” Source: College of Medicine, 2015-17, $82,500.


Tait C (PI), Mela M (Co-PI). “Advancing the Truth and Reconciliation Commission of Canada’s ‘Calls to Action’: exploring cultural safety and micro-reconciliation as foundations for trauma informed care for Indigenous peoples: IHSPR ICS.” Source: Canadian Institute of Health Research Program Planning and Dissemination Grant, 2017-18, $25,000.


Newhouse D (PI), Tait C (Co-I). “Urban Aboriginal knowledge network research for a better life.” Source: Social Sciences and Humanities Research Council, 2012-17, $2.5 million.

Unger M (PI), Tait C. “Improving the mental health and wellbeing of children and youth in challenging contexts. Promoting the use of research, best and promising practices, and local knowledge in mental health programming for vulnerable and at-risk young people.” Source: Networks of Centres of Excellence Renewal Competition, 2016-19, $1.2 million.

Zhang Y (PI). “The effects of varying levels of stress and cuprizone treatment on behaviour and myelin pathology in the live brain and cells.” Source: Faculty Recruitment and Retention Program, 2016-17, $215,000.


Zhang Y (PI), Bowen R. “Double blind proof of concept trial of intermittent theta burst low field magnetic stimulation augmentation of anti-depressant therapy in treatment-resistant depression.” Source: College of Medicine Research Award, 2017-18, $24,102.


Zhang Y (PI), Verge V. “The effects of low field magnetic stimulation on Neuroprotection, microglia modulation and myelin repair: a potential therapy for mood and cognitive problems associated with multiple sclerosis.” Source: Saskatchewan Health Research Foundation (SHRF), 2018-20, $120,000.


Cayabyab F C (PI), Zhang Y (Co-PI). “Therapeutic potential of low-field magnetic stimulation (LFMS) in stroke.” Source: CoMRad Grant, College of Medicine Research Award, 2017-18, $30,000.

Mooshekhian A (PI), Zhang Y. “The new insight of atypical antipsychotics in schizophrenia: effects on Cuprizone-induced demyelination and remyelination in mice.” Source: Intramural Alfred G. Molstad Trust/Aruna and Kripa Thakur Award, 2017-19, $5,000.
PRESENTATIONS

SCIENTIFIC CONFERENCES

Adams G C, D’Arcy C, & Wrath A. The impact of adult attachment on the severity of depression and social anxiety over time. Invited Presentation at: CoMRAD Symposium; 2017 November; Saskatoon, SK.

Adams G C, Mela M, Wrath A, & Anderson T. An investigation in forensic outpatients with mental disorder. Poster presented at: SHRF Sante Awards Evening Showcase; 2017 December; Saskatoon, SK.


Alphonsus K, & D’Arcy C. Factors associated with medication use among individuals with multiple sclerosis. Poster presented at: Life and Health Sciences Research Expo; 2018 May; Saskatoon, SK.


Baetz M. Pharmacologic treatment of mood disorders in pregnancy, postpartum and lactation. Invited presentation. Perinatal Mood Disorders: Components of Care, Postpartum Support International Program; 2018 May 26; Saskatoon, SK.


Balbuena L, Harder D, Letwiniuk L. Suicides in Saskatoon 2012-2016. Invited presentation to the University of Saskatchewan Student Wellness Centre Staff. Queen’s House Retreat and Renewal; 2018 June, Saskatoon, SK.

For more information, visit: medicine.usask.ca/psychiatry
**PRESENTATIONS**

Bowen R C. Mood Instability. Invited presentation for medical staff, residents, and students. 2018 April; Ortago University, Wellington, New Zealand.


Chireh B, & D’Arcy C. Does diabetes significantly increase the incidence of depression in longitudinal studies? A systematic review and estimates of population attributable fractions. Poster presented at: CAPE 2017 Annual Scientific Symposium; 2017 Sep 13-13; Ottawa, ON.


Davidson M, Desanghere L, & Saxena A. Appreciative inquiry based improvement efforts in a residency training program. Oral presentation at: Medical Education Research and Scholarship Day; 2018 Jun 8; Saskatoon, SK.

Davidson M, Desanghere L, & Saxena A. Appreciative inquiry based improvement efforts in a residency program. Poster presented at: Medical Education Research and Scholarship Day; 2018 June 8; Saskatoon, SK.

Davidson M. Understanding dementia. Telehealth presentation to families and caregivers on behalf of the Alzheimer’s Society of Saskatchewan (ASOS); 2018 January 30; Saskatoon, SK.


Kim J, Zaki S, Zhang Y, Cayabyab F. Gamma Burst Oscillations (GBOs) using Low Field Magnetic Stimulation (LFMS) improves post-stroke cognitive and psychiatric deficits in an animal stroke model. Poster presented at: Life and Health Sciences Research Exposition; May 2018. Saskatoon, SK.


Knudsen K J, Nyarko J N K, Heistad R M, Greer J, Carvalho C E, & Mousseau D D. A routinely prescribed antidepressant drug and its metabolite exert similar toxicity via β-amyloid. Poster presented at: 10th Annual Summit of the Knowledge Network in Rural and Remote Dementia Care; 2017 October 23; Saskatoon, SK.


Li H, Bowen A, Bowen R C, Bally J, Feng C, & Muhajarine N. Mood instability in perinatal women. Poster presented at: Saskatchewan Psychiatric Association; 2018 May; Regina, SK.

Li M, & D'Arcy C. Stimulant use and development of Bipolar Affective Disorder: an 11-year outcome study using Saskatchewan health care data files. Poster presented at: School of Public Health Annual Poster Day, School of Public Health, University of Saskatchewan; 2017 July 28; Saskatoon, SK.

Li A, Wrath A, Mondal P, McWilliams L, Skomro R, Adams G C. Attachment and its relationship to sleep quality and daytime sleepiness. Poster session presented at: College of Medicine Dean’s Summer Student Project Poster Day; 2017 October; Saskatoon, SK.


Mousseau D D. Almost forty years of Alzheimer’s disease research: what have we missed in our search for a cure? Invited presentation. Neuroscience and Mental Health Institute, University of Alberta; 2017; Edmonton, AB.

Mousseau D D. Changes in CB1 receptor expression in Alzheimer disease, Parkinson’s disease, and depression autopsied cortical samples. Invited presentation. 41st Annual Meeting of the Canadian College of neuropsychopharmacology; 2018 June 27-30; Vancouver, BC.

Nyarko J N K, Quartey M O, Heistad R M, Pennington P R, Mousseau D D. Changes in actin and tubulin expression in the Alzheimer brain are more predictive of sex-dependent disease progression than are changes in Tau phosphorylation. Poster presented at: 10th Annual Summit of the Knowledge Network in Rural and Remote Dementia Care; 2017 October 23; Saskatoon, SK.

**PRESENTATIONS**


Onaemo V, & D'Arcy C. Alcohol dependence and the persistence of major depression: a longitudinal population based study. *Poster* presented at: CAPE 2017 Annual Scientific Symposium; 2017 Sep 13-13; Ottawa, ON.

Onaemo V, & D'Arcy C. Comorbid substance use disorders, major depression and generalized anxiety disorder in nationally representative samples: a systematic review and meta-analysis. *Poster* presented at: CAPE 2017 Annual Scientific Symposium; 2017 Sep 13-13; Ottawa, ON.


Quartey M O, Nyarko J N K, Pennington P R, Heistad R M, Baker G B, & Mousseau D D. Monoamine oxidase-A (MAO-A) and MAO-B activities are regulated in a region-dependent manner in the Alzheimer brain. *Poster* presented at: 10th Annual Summit of the Knowledge Network in Rural and Remote Dementia Care; 2017 October 23; Saskatoon, SK.


Robinson S, Wrath A, Mondal P, Adams G C. Alexithymia mediates the relationship between adult attachment and depression severity. *Poster* session presented at: College of Medicine Dean’s Summer Student Project Poster Day; 2017 October; Saskatoon, SK.

Seidlikoski Y W & Tait C. Secondary trauma and trauma-informed practice competency in remote northern Saskatchewan therapists: a mixed methods study. *Poster* presented at: Life and Health Sciences Research Expo; 2018 May; University of Saskatchewan, Saskatoon, SK.


Sekar S, Zhang Y, Taghighbiglou C. Effect of Low Field Magnetic Stimulation on restoring neuronal and glial functions against 1-Methyl-4-Phenyl-1,2,3,6-Tetrahydropyridine induced Parkinson’s disease mouse model. *Oral poster* presented at: The 12th Annual Canadian Neuroscience Meeting; 13-16 May, 2018, Vancouver, BC.


Selvendrarajah N, Karremann E, and Damodharan, S. “A study to explore the clinical usefulness of the interpersonal-psychological theory and its constructs in routine acute inpatient psychiatric practice.” *Poster* presented at: Saskatchewan Psychiatric Association Scientific Conference and Annual Meeting, April 21, 2018, Regina, SK.


Tait C. Research partnerships with Indigenous communities. Invited presentation at: Gathering for miyo mahcihowin, hosted by the University of Saskatchewan Health Sciences. 2018 March 16.


Tait C, & Josdal M. Cultural safety and trauma informed care: scoping review — preliminary results. Invited presentation at: Department of Psychiatry Grand Rounds. University of Saskatchewan, Saskatoon, SK; 2018 April 06.

Tait C, & Napope D. ‘All before I was nine years old’: partnering in patient-oriented research with Indigenous persons with lived experience. Invited presentation at: Alberta Innovates 2018 Summer Institute, hosted by Alberta SPOR Unit; 2018 May 16.


**PUBLICATIONS**

**REFEREED JOURNALS**


**BOOK CHAPTERS & REPORTS**


Tait C, & Josdal M. Cultural safety, cultural humility, and trauma informed care: a scoping review; 2018.


**REVIEW ACTIVITIES**

**JOURNALS, FUNDING AGENCIES, CONFERENCES,& UNIVERSITIES**

**ADAMS G C — Committee Member:** Faculty of Graduate Studies and Research, College of Graduate Studies and Research, U of S. *Manuscript Review:* Journal of Psychosomatic Research; Journal of Affective Disorders; Psychological Medicine; Current Psychology. *Grant Review:* Resident Research Award: College of Medicine, U of S.

**D’ARCY C — Committee Chair:** Advisory Committee PhD Program in Epidemiology, School of Public Health, U of S. *Committee Member:* Management Committee, Sask. Research Data Centre (SKY-RDC); Graduate Program Review Team for the Graduate Programs at the College of Nursing, U of S, College of Graduate and Postgraduate Studies, U of S; Organizing Committee, Western Cnd. Universities Big Data Health Conference: The Future of Precision Health and Big Data – The Banff Centre September 28-29th, 2017; Academic Council, Cnd. Research Data Centres Network. *Manuscript reviewer:* Psychiatry Research; Social Psychiatry and Psychiatric Epidemiology; BMJ Open; Preventive Medicine; Cnd. Journal of Psychiatry; American Journal of Psychiatry; BMC Public Health. *External reviewer:* Tenure and promotion review, Community Health Sciences Promotion and Tenure Mentoring Committee, Max Rady College of Medicine, Rady Faculty of Health Sciences, U of Man.

**LODHI R J — Grant review:** Intramural Grant Review Committee, Department of Psychiatry, U of S.
MOUSSEAU D — Committee Chair/Member: Academic Misconduct Hearing Board, UGAS, College of Arts and Science, U of S; University Level Appeal of an Allegation of Breach of Academic Integrity, U of S; Academic Appeals Committee, UGME, College of Medicine, U of S; University Level Appeal of Matters Other than Substantive Academic Judgment, School of Public Health, U of S; University Level Appeal of Matters Other than Substantive Academic Judgment, Nursing, U of S; Academic Appeals Committee, UGME, College of Medicine, U of S. External Committee Reviewer: Genes, Cells and Molecules Panel (NSERC); Biological and clinical Aspects of Aging Panel (CIHR); 2017; Biomedical Peer Review Panel, Alzheimer Society of Canada. Internal Committee Chair/Reviewer: Chair: Scientific Merit Review Committee for Animal Based Research, U of S. Reviewer: U of S NSERC College of Reviewers; U of S CIHR College of Reviewers. Manuscript review: Cancer Letters; IBRO Reports.

QUINN D — Committee Chair: Expert Panel, Prairie Region ADHD. Committee Member: Biomedical Imaging Beam line Team (BMIT), U of S; Quality Assurance Committee, U of S; Department of Psychiatry Executive Committee, U of S; Planning Committee, Licentiate of the Medical Council of Canada (LMCC); Test Committee, Medical Council of Canada; Future in Mind; Sask. College of Physicians and Surgeons; Sask. Medical Association; Cnd. Psychiatric Association; Cnd. Academy of Child Psychiatry; American Academy of Child Psychiatry; Association of Professors of Child & Adolescent Psychiatry; Advisory Board, Cnd. Scholarship Foundation. Executive Member: Sask. Psychiatric Association; Cnd. ADHD Resource Alliance (CADDRA); Editorial Board: Cnd. Journal of Child Psychiatry.

TAIT C — Committee Member: Kids Brain Health Network. Network of Centres of Excellence; Centre for Indigenous Research and Community-Led Engagement at the University of Victoria; Aboriginal Leadership Post-Graduate Awards, College of Graduate and Postdoctoral Studies; Cnd. Depression and Research Intervention Network; Indigenous Health Committee, College of Medicine; ad hoc Committee of University of Sask. Indigenous Faculty; Indigenous Advisory Circle, Sask. Centre for Patient-Oriented Research; Member-at-Large, University Council. President’s Visiting Committee: College of Medicine and Dentistry, University of Alberta. Peer Review: International Journal of Indigenous Health; CIHR; IHSPR DRA. Health Systems Impact Fellowship Doctoral Trainees Peer Review. Advisor: Federation of Sovereign Indigenous Nations’ Child Welfare Strategy; Mental Health Commission of Canada on Cannabis Research with Indigenous Peoples; Federation of Sovereign Indigenous Nations’ Urban Strategic Plan. Director/Board of Directors: First Peoples’ Wellness Circle; Cnd. Depression Research and Intervention Network


ZHANG Y — Board of Directors & Secretary treasurer: Cnd. Psychiatric Association. Executive member: Neuroscience Cluster, College of Medicine, U of S. Committee member: Psychiatry academic day, Neuropsycho-pharmacology teaching panel. Member: Qualitative improvement committee, Student Health Service, U of S. Poster competition reviewer: Sask. Psychiatry Assoc.; Life and Health Sciences Research Exposition, College of Medicine, U of S.

SUPERVISION

RESIDENTS, SUMMER, UNDERGRADUATE & VISITING STUDENTS

Berscheid, Kasey. Effects of APOE e4 on the interaction between PS-1 and MAO-A. Cell Signalling Laboratory. Honour’s project (PHPY 432.6). 2017 May - 2018 April. Supervised by Dr. Mousseau, D.

Cohen, Jacob. Pharmacology/Psychiatry, Neuroscience, PTSD animal model and the effects of cannabis on PTSD. Undergraduate (Bachelor). 2017 September - 2018 April. Supervised by Dr. Zhang, Y.

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SUPERVISION

Coupal, Dylan. The effects of low-field magnetic stimulation on white matter deficit related cognitive impairments. Summer student (MD). 2018 May - 2018 August. Supervised by Dr. Zhang, Y.

Edwards, Kristen; Frangou, Sarah; Frost, Josh; & Garrett, Natalie; Drs. Teaching ECT through simulation. 2017 - present. Supervised by Dr. Davidson, M.

Faye, Jay. Therapeutic effects and mechanism of rTMS in the treatment of late-life depression. Summer student (Bachelor). 2018 May - 2018 August. Supervised by Dr. Zhang, Y.


Guebert, Andie. Outcome of mental and physical wellbeing of residents in the Alspac data. 2017 April - 2017 September. Supervised by Dr. Mela, M.

Harder, Jane. Attachment and its relationship to sleep quality and daytime sleepiness. 2017 August - present. Supervised by Dr. Adams, G.C.

Hua, QingYun. Effects of Venlafaxine in facilitating neural cell proliferation, maturation, and development. Summer student (MD). 2018 May - 2018 August. Supervised by Dr. Zhang, Y

Huynh, Dan. Are mental health services able to keep up with the recent increase in student mental health awareness and education? A university-wide student survey study. Resident, 2018 February - 2018 May. Supervised by Dr. Zhang, Y.

Klassen, Paula. Effects of MAO on the cytoskeleton, Cell signalling laboratory. Honour’s project (PHPY 432.6). 2017 September - 2018 April. Supervised by Dr. Mousseau, D.


Ludlow, Katherine. Recognition cues for clinicians to identify those with FASD in their respective clinic locations. 2017 May - 2017 August. Supervised by Dr. Mela, M.


Oduntan, Emmanuel. Forgiveness among mental disorder offenders and recidivism. 2017 May - 2017 August. Supervised by Dr. Mela, M.

Ojah, Rani C. A Proposal to Evaluate the University of Saskatchewan Student Mental Health Strategy. Resident, 2018 February - 2018 May. Supervised by Dr. Zhang, Y.


Thompson, Galilee R.W. Attachment and resiliency in medical students. 2017 November. Supervised by Dr. Adams, G.C.

VISITING RESEARCHERS, POST-DOCTORAL FELLOWS & GRADUATE STUDENTS

Sethi, Anjenna. Research Elective PGY1, Maternal Mental Health, Department of Psychiatry. Postgraduate Medical Education. 2017 - present. Co-supervised by Dr. Baetz, M.

Boctor, Kerstina (PGY1 Psychiatry). Review of suicide decedent charts. 2017 October. Supervised by Dr. Balbuena, L.

Rahman, Hiba. International Medical Graduate. Literature review for obsessive compulsive disorder and suicidal ideation. 2017 August - September. Supervised by Dr. Balbuena, L.

Aphoneus, Khrishna. MS as a chronic disease. PhD program. Epidemiology, School of Public Health, University of Saskatchewan. 2015 - present. Supervised by Dr. D'Arcy, C.

Chambers-Richards, Tamara. Living with neurodegenerative diseases. PhD program. Epidemiology, School of Public Health, University of Saskatchewan. 2013 - present. Supervised by Dr. D'Arcy, C.

Chireh, Batholomew. Epidemiology of chronic conditions, disabilities and self-rated health: predictors and trends in the context of an aging population in Canada. PhD program. Epidemiology, School of Public Health, University of Saskatchewan. 2014 - present. Supervised by Dr. D'Arcy, C.

Li, Muzi. Epidemiological studies in the mental health of children and adolescents: risk factors, diagnosis, treatment, prognosis, and intervention/prevention. PhD program. Epidemiology, School of Public, University of Saskatchewan. 2012 - present. Supervised by Dr. D'Arcy, C.

Ohaya, Joseph. Addictions research. PhD program. Epidemiology, School of Public Health, University of Saskatchewan. 2014 - present. Co-supervised by Dr. D'Arcy, C.

Onaemo, Vivian. Co-morbid substance use and mental health disorders: prevalence, risk factors, and persistence. PhD program. Epidemiology, School of Public Health, University of Saskatchewan. 2013 - present. Supervised by Dr. D'Arcy, C.

Su, Yingying. Childhood maltreatment and the development of psychiatric disorders. PhD program. Psychiatric epidemiology, School of Public Health. University of Saskatchewan. 2017 - present. Supervised by Dr. D'Arcy, C.

Tancred, Adam. Trauma and criminal recidivism. 2018 - present. Supervised by Dr. Mela, M.

Madampage, Claudia. Development of a health service navigation tool for individuals with FASD. Master of Public Health Practicum, University of Saskatchewan. 2017 May - 2017 September. Supervised by Dr. Mela, M.

Knudsen, Kaeli. Role of antidepressants in amyloid phenotypes in the C. elegans worm model, Cell Signalling Laboratory. MSc program. 2016 - present. Supervised by Dr. Mousseau, D.

Poon, Lisa. Immunohistochemical localization of monoaminergic and Alzheimer-related markers in autopsied human brain, Cell Signalling Laboratory. MSc Program. 2016 - present. Supervised by Dr. Mousseau, D.

Quartey, Maa. Dr. Role of MAO in APP processing, Cell Signalling Laboratory. 2015 - present. Supervised by Dr. Mousseau, D.


Mooshekhian, Ali. MSc, 2017 May - present Supervised by Dr. Zhang, Y

Charlton, John. Addiction treatment models in First Nations run residential treatment centres. PhD program, Interdisciplinary studies, Interdisciplinary Studies, University of Saskatchewan. 2015 - present. Supervised by Dr. Tait, C.


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ADVISORY COMMITTEES

ADAMS G C

BALBUENA L

BOWEN R C

D’ARCY C

MELA M

MOUSSEAU D

TAIT C

ZHANG Y
ADVISORY COMMITTEE MEMBER: Kim, Jay. MSc program. The effects of LFMS on post stroke depression. 2017 September - present. U of S.
PROVINCIAL FACULTY & MEMBERS

BATTLEFORD/NORTH BATTLEFORD

Duncan, David MB-BCh Assistant Professor
Ejezie, Okechukwu Chinedum MB-BS Assistant Professor
Mahmood, Yasin MB-BS, FRCP(C) Clinical Associate Professor
Nwachukwu, Kingsley MB-BS Assistant Professor
Obikoya, Olubankole MB-ChB, CPM Ireland Assistant Professor

CARLYLE

MacRae, Donald Keith MD, FRCP(C)

LLOYDMINSTER

Oshodi, Abiola Olumide MB-BS, FRCP(C) Assistant Professor
Shinyanbola, Olafimihan MB-BS, FRCP(C) Assistant Professor

MOOSE JAW

Adewumi, Adegboyega Adebayo MB-BS, FRCP(C) Assistant Professor
Afolabi, Owewale Ademola MB-BS, FRCP(C) Assistant Professor
Aghamelu, Uche Felix Obiora BSC, MB-BS, DCP Assistant Professor
Awad-El-Kariem, Sawsan Mustafa MB-BS, MRCPsych(UK) Assistant Professor
Oke, Olumayowa, Abimbola MB-BS Assistant Professor

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Cooper, Lila MB-ChB, FRCP(C) Assistant Professor
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Holmlund, James MD, LMCC, FRCP(C) Assistant Professor
Hussain, Mohammad Zulfiquar MB-BS, FRCP(C) Assistant Professor
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Oladapo, Oladele MB-BS Assistant Professor

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Atigari, Onome Victor MB-BS, FRCP(C) Assistant Professor
Bellows, Anne J. M. (RETIRED) MD Assistant Professor
Chen, Tung-Te (James) MD, FRCPC Assistant Professor
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Damodaran, Senthil Kumar MB-BS, FRCP(C) Clinical Associate Professor
Durrani, Shazia MB-BS, FRCP(C) Assistant Professor
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Falkenberg, Kornelia MD, FRCPC Assistant Professor
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Haque, M. Samiul MD, FRCPC Assistant Professor
Harold, S. Brent MD, FRCPC Assistant Professor
Harrison, W. Ken MD, FRCPC Assistant Professor
Hatitchki, Bechedza MB-B, Ch-BAO, MRC(Psych), FRCPC(C) Assistant Professor
Kumar, Patel Ramiah Vinod MB-BS, MD Assistant Professor
Manikkam, Liane MB-ChB, FRCP(C) Assistant Professor
Masaud, Tawfik MB-BCh, FRCP(C) Assistant Professor
Natarajan, Dhanapal MB-BS, FRCP(C) Clinical Professor

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REGINA, CONT’D

Odenigbo, Chukwuemeka  MB-BS, FRCP(C)  Assistant Professor
Olabisi, Oluwole  MB-BS, FRCP(C)  Assistant Professor
Papish, Andriyka  MD, FRCPC  Assistant Professor
Reddi, Krishnavellie  MB-ChB, FRCPC  Assistant Professor
Soyemi, Oladapo  MB-BS, FRCP(C)  Assistant Professor
Udoh, Godwin Ekpenyong  MB-BS, MRCPSych(UK), FRCPC  Assistant Professor
Verma, Kamla (RETIRED)  MB-BS, FRCP(C)  Assistant Professor

SASKATOON

Adams, Stephen  MD, FRCP(C)  Assistant Professor
Adams, Gheorghita, Camelia  MSC, MD, FRCP(C)  Clinical Associate Professor
Adeigba, Olajide Omolayo  MB-BS, DCP  Clinical Associate Professor
Aftab, Huma  MD, FRCP(C)  Assistant Professor
Ahmodu, Olorunfemi  MB-BS, FRCP(C)  Assistant Professor
Akindipe, Oyebukola  MB-BS, FRCP(C)  Assistant Professor
Baetz, Marilyn  MD, FRCP(C)  Professor & Provincial Head
Baillod, Alanna  PhD  Assistant Professor
Balbuena, Lloyd  MD, FRCP(C)  Assistant Professor
Baziani, Azaad  MD, MB-ChB, FRCP(C)  Clinical Associate Professor
Bennett, Vernon  MD, FRCP(C)  Assistant Professor
Bodani, Rachana  MD, FRCP(C)  Assistant Professor
Bowen, Rudy  MD, BSC, CM (McGill), FRCP(C)  Professor
Brennan, Stefan  MD, FRCP(C)  Assistant Professor
Cherland, Esther  BA, MD, FRCP(C)  Associate Professor
Chicoine, Curtis  MD, FRCP(C)  Assistant Professor
Clark, Malin  MD, FRCP(C)  Assistant Professor
Conacher, Heather  BA, MD, FRCP(C)  Assistant Professor
Coovadia, Mahomed Hoosein  MB-ChB-BAO, FRCP(C)  Assistant Professor
D’Arcy, Carl  PhD, BA, MA  Professor
Davidson, Marla  MD, FRCP(C)  Assistant Professor
DeSouza, Dawn  MD, FRCP(C)  Assistant Professor
Denis, Melissa  MD, FRCP(C)  Assistant Professor
Dungavell, Sara  MD, FRCP(C)  Assistant Professor
Ehmann, Timothy  MD, FRCP(C)  Assistant Professor
Felstrom, Anna  MD, FRCP(C)  Assistant Professor
Gillies, Pam M.  MD, FRCP(C)  Clinical Associate Professor
Hendrickson, Donna Violet  MB-BCh-BAO, FRCP(C)  Assistant Professor
Hinz, Tamara  MD, FRCP(C)  Assistant Professor
Hooper, Monika  MD, FRCP(C)  Assistant Professor
Karuthedath, Rajesh  MB-BS, FRCP(C)  Clinical Associate Professor
Kok, Kevin (Dean)  MD, FRCP(C)  Clinical Associate Professor
Kukha-Mohamad, Shirwan Abdulla  MB-ChB, FRCP(C)  Clinical Professor
Lau, Bienca  MD, FRCP(C)  Clinical Associate Professor
Lawson, Dennis  MD, FRCP(C)  Clinical Associate Professor
Lizon, Marina Josefa  TITULO, CRCP(C)  Clinical Associate Professor
Lodhi, Rohit  MB-BS, MRCPSych(UK), FRANZCP  Assistant Professor
Lowry, Helen  MD, FRCP(C)  Assistant Professor
Malcolm, Donna (RETIRED)  PhD, MD, FRCP(C)  Associate Professor
Marcoux, Eugene Samuel  MD, FRCP(C)  Clinical Professor
Masood, Altaf  MB-BS  Assistant Professor
SASKATOON, CONT’D

Mela, Mansfield  
MB-BS, FWACP, MRC (PSYCH), MSC, FRCP(C)  
Professor

Mousseau, Darrell  
PhD  
Professor

Okoro, Emmanuel  
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Assistant Professor

Okunola, Olubusola  
MB-BS, FRCP(C)  
Assistant Professor

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Qayyum, Saba  
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Assistant Professor

Quinn, Declan  
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Assistant Professor

Reisner, Debra Marilyn  
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Assistant Professor

Renuka-Prasad, Mysore  
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Clinical Professor

Roccamatissi, Dawn  
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Assistant Professor

Sarda, Madhav Prasad  
MD, FRCP(C)  
Professor

Tait, Caroline  
PhD  
Professor

Thorpe, Lilian U.  
MD, FRCP(C)  
Professor

Ukandu-Nduebueze, Chidinma  
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Uku, Raymond  
MB-BS  
Assistant Professor

Walz, Wolfgang  
Dipl-Biol. Dr. RER.NAT(KONSTANZ)  
Professor

Wanson, Annabelle  
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Assistant Professor

Wanson, Laurent  
MD  
Assistant Professor

Zhang, Yanbo  
MD, MD, MB-BS, FRCP(C)  
Assistant Professor

Zimmer, Rachelle  
MD, FRCP(C)  
Assistant Professor

SWIFT CURRENT

Ashtekar, Vijaykumar (RETIRED)  
MB-BS, MRCPsych(UK)  
Assistant Professor

Prasad, Venkata  
MB-BS, FRCP(C)  
Assistant Professor

WEYBURN

Oyebode, Omoniyi Dele  
MB-BS, FRCP(C)  
Assistant Professor

YORKTON

Adefolarin, Oluremi Adesina  
MB-BS, FRCP(C)  
Assistant Professor

Adenaike, Victor  
MB-BS  
Assistant Professor

Erhaze, Irhuo Sylvester  
MB-BS, MRCPsych(UK)  
Assistant Professor

Ogunbiyi, Ajibola Oladapo  
MB-BS, DCP  
Assistant Professor

PROFESSOR EMERITI

Blackshaw, Stella  
MD, FRCP(C)  
2014

Dyck, Lillian  
PhD  
2007

Juorio, Augusto  
PhD  
2002

Keegan, David  
BA, MD, FRCP(C)  
2004

COLLEGE OF MEDICINE — ASSOCIATE MEMBERS

Bowen, Angela  
BSN, PhD  
Nursing

Chlan-Fourney, Jennifer  
PhD  
Anatomy & Cell Biology

Howland, John  
PhD  
Physiology

Remillard, Fred  
PhD  
Pharmacy & Nutrition

Luther, Glen  
LLB, LLM  
Law

Dyck, Erika  
PhD  
History, Arts & Science
MISSION

To safeguard and enhance the well-being of persons with psychiatric disorders, through integration of scholarly activities, research, teaching, and optimal clinical care.

Faculty, staff, and partners... thank you for another successful year!

Photography: Jen Talloden Photography and Department of Psychiatry Communications