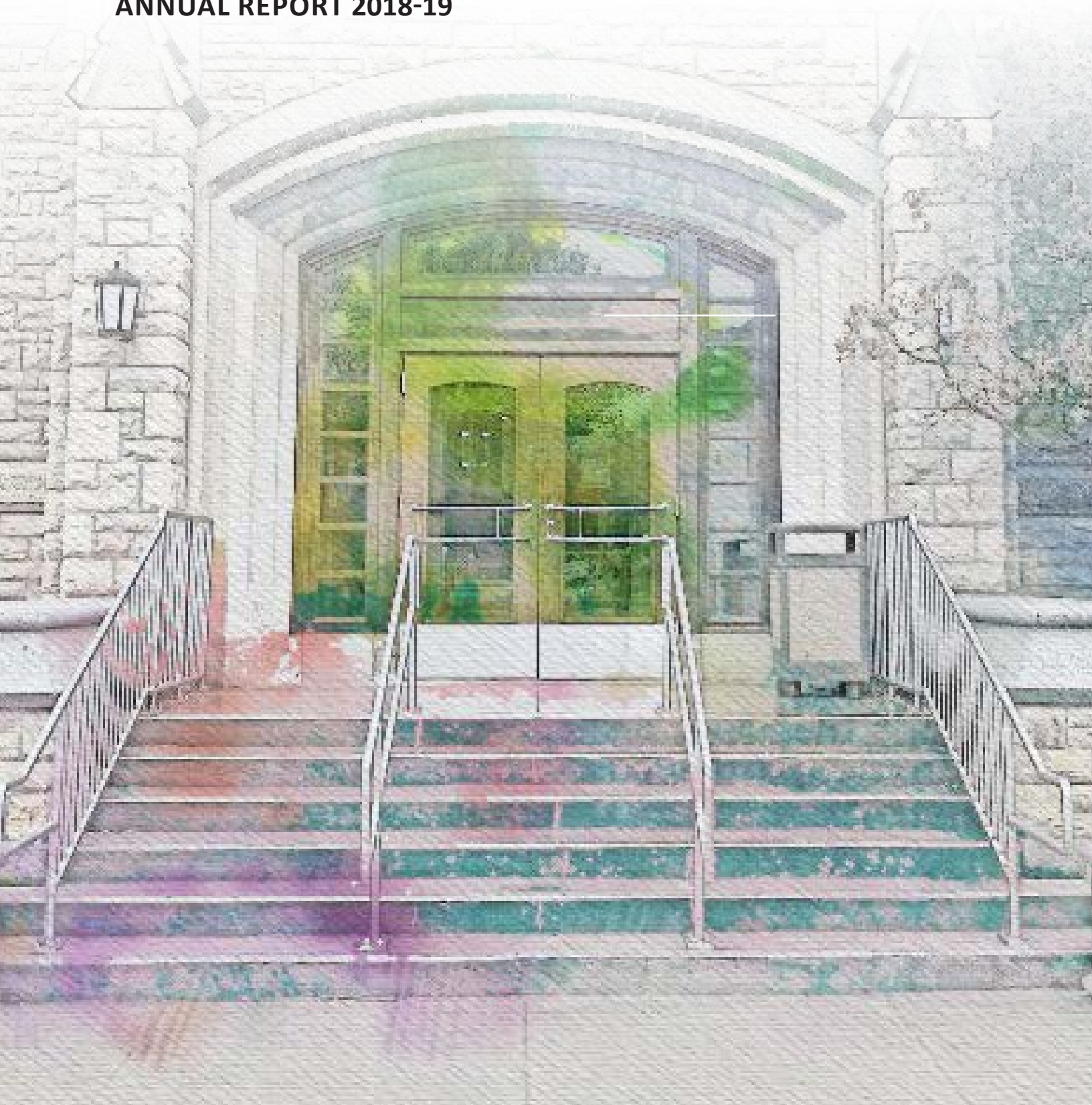


DEPARTMENT OF PSYCHIATRY

ANNUAL REPORT 2018-19



About the Department

The provincial Department of Psychiatry is a unified organization with a membership that includes medical staff of the Saskatchewan Health Authority, as well as faculty of the College of Medicine, University of Saskatchewan.

Department members work collaboratively under the leadership of a Provincial Head. We 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 with Mental Health and Addiction Services in the province of Saskatchewan.



Contents

Message from the Provincial Head	1
Department Leadership	2
Integrated Strategic Plan	3
Social Accountability	5
Enhanced Education	7
Divisions & Programs	17
Clinical Services	21
Advanced Research	27
Faculty & Members	53

Welcome,
take a seat...





Message from the Provincial Head

Dr. Marilyn Baetz

Professor & Provincial Head

It is my pleasure to present to you the 2018-19 Annual Report of the Department of Psychiatry within the College of Medicine and the Saskatchewan Health Authority. The Department represents a provincial lens for academic and clinical quality, safety and human resources. **This report focuses specifically on the Saskatoon urban area clinical activity.**

A highlight for this year was the solidifying of the Provincial Department of Psychiatry with quarterly meetings that engaged the Area Department Leads in the quality, safety, recruitment and academic agenda. The challenges of this initiative allowed the area leads to grow as a cohesive unit, strengthened by our similarities, while developing a deeper understanding of each area's differences.

It is with a degree of pride that we also present our strategic plan for the Saskatoon Area. This plan focuses on the leadership, research, education and clinical activity that is needed to continue to move psychiatry forward over the next years. This plan will continue to be further developed as priorities are completed and expanded.

Our education activities are ongoing, but we hear the quickly approaching hooves of the Competency by Design chariots, carrying with them Entrustable Professional Activities, ushering in the new era of postgraduate psychiatry training. As we learn this new language and new ways of evaluating, we look to our dedicated educators to guide us along.

Our research activities remain strong facilitated by Dr. Mariam Alaverdashvili and Thuy Le who have been a great addition to our research support team. Reports from the Vice Dean of Research Office showcase our productivity among clinical departments. Focused intra-departmental research mentorship has been

a positive development. We are also embarking on developing master's level mental health, and forensic mental health streams within the Health Sciences postgraduate program.

Mental health was provided with federal and provincial financial support this year and we were able to expand the Child and Adolescent Psychiatry team, along with services to the North. The mental health assessment unit will live on as the Short-Stay Unit as the new emergency department opens in Jim Pattison Children's Hospital. This great news is tempered by the ongoing increase in mental health needs in our emergency and acute care. The pooled referral system for adult psychiatry was finally launched and confirms we do not have enough capacity. Recruitment needs are forefront for Saskatoon and the province.

This is the last full year in my role as Provincial Head which spanned nine years — seven in the role of Unified Head transitioning for the last two years to Provincial Head with the province moving to one Health Authority. Each year has had change and challenges, but I am proud of each member of the department and staff who have worked together to allow our department to excel. Our Mental Health & Addictions partners have been great allies.

The department is well-positioned for the future and I look forward to seeing new leaders take it to heights yet unknown!

Department Leadership

SASKATOON EXECUTIVE COMMITTEE

LEADERSHIP

Dr. Marilyn Baetz
Provincial Head

Cindy Cardell
Finance & Admin Manager

Harold Shiffman
Acting Finance & Admin
Manager

CLINICAL REPRESENTATION (SASKATOON)

Dr. Annabelle Wanson
Inpatient Lead

Dr. Rohit Lodhi
Patient Flow Lead

Dr. Olorunfemi Ahmodu
Outpatient Lead

Dr. Gene Marcoux
Clinical Advisor

DIVISION REPRESENTATION (SASKATOON)

Dr. Anna Felstrom
Child & Adolescent Division Head

Dr. Marla Davidson
Geriatric Program

Dr. Azaad Baziany
Forensic Division Head

ACADEMIC REPRESENTATION

Dr. Vern Bennett
Education Director (provincial)

Dr. Rohit Lodhi
Research Lead

Dr. Marla Davidson
Postgraduate Medical Education
Director (provincial)

PARTNERS FROM MENTAL HEALTH & ADDICTION SERVICES (SASKATOON)

Karyn Kawula
Director

Tracy Muggli
Director

Zoe Teed-McKay
Director

Colleen Quinlan
Executive Director of Mental Health,
Urban Integrated Health

PROVINCIAL DEPARTMENT LEADS (SHA)

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, and oversees Division Leads where applicable. Dr. Baetz, Provincial Head, oversees the collaboration of Psychiatry Area Department Leads province-wide.

PROVINCIAL HEAD

Dr. Marilyn Baetz
Provincial

AREA LEADS

Dr. Oluremi Adefolarin
Southeast

Dr. Marilyn Baetz
Saskatoon Interim
(**Dr. Vern Bennett** representing)

Dr. Senthil Damodharan
Regina

Dr. Prasad Venkata
Southwest

Dr. Mohammad Hussain
Northeast

Dr. David Duncan
Northwest

DIVISION LEADS

Dr. Adegboyega Adewumi
Moose Jaw (Southwest)

Dr. Dele Oyebo
Weyburn (Southwest)

Integrated Strategic Plan 2019-2022

The Department of Psychiatry is working towards growing success in four strategic areas. The comprehensive plan that includes mission statements, objectives, operational plans, and performance metrics, is summarized here...

LEADERSHIP

Designing leadership positions with a clear scope of authority and a pathway for opportunities and succession by:

- Enhancing onboarding and career coaching
- Improving accessibility to leadership positions with clear succession planning
- Defining organizational structure and leadership roles

EDUCATION

Become a leader in offering quality medical education with faculty engagement and a growing field of scholarship by:

- Enhancing onboarding and career coaching
- Developing a medical education day for increased engagement
- Offering supportive infrastructure through sharepoint
- Strengthening Competency by Design (CBD) resources, a geriatric subspecialty, rural training, and curriculum renewal
- Advocate for research staff to improve educational scholarship

RESEARCH

Create recognized leading experts in mental health research within and outside of the University of Saskatchewan by:

- Improving visibility through collaborative authorship and team research
- Promoting engagement with a research club and increased mentorship
- Strengthening culture through collaboration, coaching, and research support
- Leveraging infrastructure, and offering sustainable resources, and research space
- Creating a graduate program in mental health in the Health Sciences program

CLINICAL

Ensure access to a skilled team of psychiatrists who continue to improve clinical care in Saskatchewan by:

- Enhancing child psychiatry, forensic, and geriatric care
- Expanding our team with strong resources, integrated pathways of treatment, and team-based care
- Designing programs with a provincial scope, with a focus on child psychiatry and MHAS partnership

Designing Success

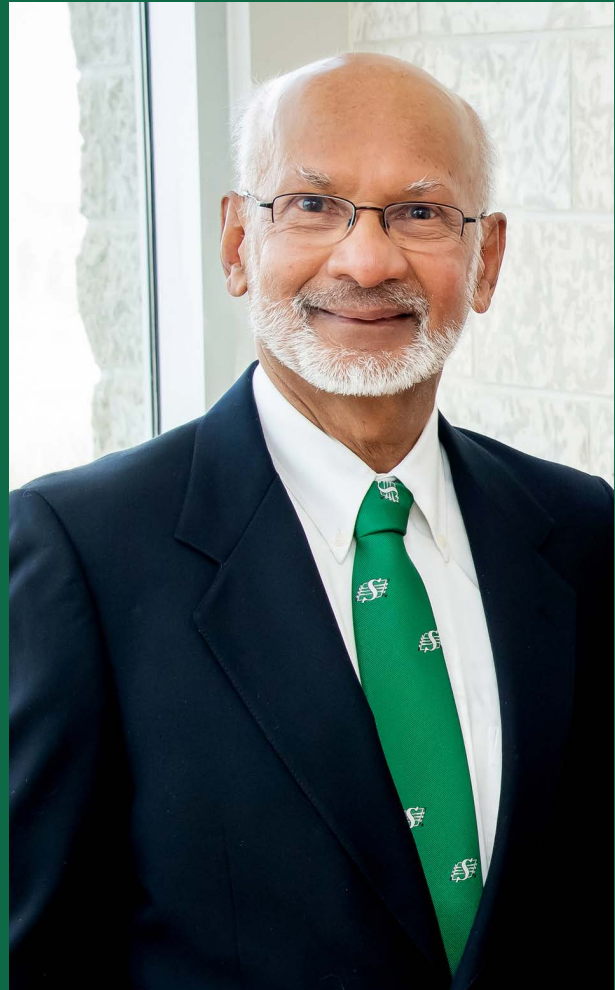
Dr. Rudy Bowen Mood Disorders Fund

The Department of Psychiatry, together with the Royal University Hospital Foundation, were pleased to honour and celebrate Dr. Rudy Bowen on the occasion of his retirement in early 2019.

Dr. Bowen's clinical service, dedication to patient care, and pioneering research on mood disorders, has created an inspiring legacy. His countless contributions and accomplishments are deeply meaningful for the patients he has served, to his profession and for his colleagues with whom he has shared a distinguished career spanning nearly 40 years.

The Dr. Rudy Bowen Mood Disorders Fund was established in 2018 as a named fund within the Royal University Hospital Foundation's Community Mental Health Endowment (CMHE), to encourage and support continued research in the area of mood disorders and anxiety.

The legacy of Dr. Bowen's career will continue through his Fund, the primary purpose of which is to finance research on mood disorders and anxiety or new program development by clinicians from the Department of Psychiatry or Saskatchewan Health Authority Mental Health and Addictions group.



TO MAKE A CONTRIBUTION, PLEASE CONTACT:

Royal University Hospital Foundation,
103 Hospital Drive, Saskatoon, SK S7N 0W8
T 306.655.1984 / info@ruhfo.org

Charitable receipts are provided for donations of \$20 or more.

Our Social Accountability

As a Department under the umbrella of the College of Medicine (miyo-maskihkíy), we share in exercising the principles of the CoM mission statement as it relates to social accountability:

As a socially accountable organization, we improve health through innovation and interdisciplinary research and education, leadership, community engagement, and the development of culturally competent, skilled clinicians and scientists. Collaborative and mutually beneficial partnerships with Indigenous peoples and communities are central to our mission.

CLINICAL SERVICES OUTREACH

ADDICTIONS:

- Drs. Lodhi & Brennan provide dual diagnosis psychiatric consultations in Saskatoon to patients with addictions, through the Opioid Assisted Recovery Program (OARS) and a clinic on the west side.

CORE NEIGHBOURHOOD:

- Our faculty takes part at The Westside Community Clinic, working closely with other practitioners in an interdisciplinary model of care, that actively fosters culture-safe care to support vulnerable and marginalized people living with complex, and often stigmatized health needs.
- At the Saskatoon Community Clinic, Saskatoon's only primary health care co-operative, Dr. D. Porter has been grateful to establish collaborative mental health care with the primary care team over the last four years.

LGBT2+:

- The Student Wellness Centre on campus sees an increasing number of trans students and is working with family doctors to get a trans pathway for hormone treatment.
- Dr. S. Dungavell sees patients at OUTSaskatoon and is the only psychiatrist in Saskatchewan recognized to approve gender affirming surgery for transgendered patients.

MILITARY, RCMP & VETERANS:

- Members of our faculty dedicate part of their clinical time at the Operational Stress Injury (OSI) Clinic supporting individuals with PTSD and related mental health conditions arising from occupational exposure to trauma such as our military personnel and veterans, and police, RCMP, and other first responders.

NORTHERN MEDICAL SERVICES:

- Several psychiatrists provide fly-in services with tele-psychiatry follow-up to the following communities in Northern Sask.: La Loche, La Ronge, Stony Rapids, and Ile-a-la-Crosse.

RURAL COMMUNITIES:

- We have seven Rural Clinics throughout Saskatchewan: Outlook, Rosthern, Rosetown, Humboldt, Biggar, Kindersley & Lanigan.

RESEARCHERS DEDICATED TO SOCIAL ACCOUNTABILITY

ADDICTIONS

The Department's newest research group, led by Dr. Lodhi, focuses on three main areas: etiology of chemical and behavioral addictions as well as interventions that improve outcomes; new directions in psychopharmacology, including pharmacogenetics; adverse health or treatment outcomes due to psychopharmacological medications or addictions, and lastly service delivery and improvement. This work directly supports some of the most vulnerable people in society.

FASD (Fetal Alcohol Spectrum Disorder)

As a Diagnostic Research Lead for Canada's comprehensive national Fetal Alcohol Spectrum Disorder (CanFASD), Dr. Mela's research has focused extensively on FASD and the overlap with mental disorder, often including a forensic lens. Dr. Mela has also led an expert panel in the unprecedented development of a medication algorithm for FASD, which is in preparation for publication.

INDIGENOUS COMMUNITIES

Dr. Tait has a number of ongoing projects that fit the mandate of social accountability. In the past year, Dr. Tait has continued to spearhead the Saskatchewan Indigenous Mentorship Network, which includes ongoing advocacy for student equity through a reconciliation approach to mentorship. She has also been working closely with a growing team of community members, researchers, and other stakeholders on the development of an infrastructure project at Whitecap Dakota First Nation. One of the goals of this project is to bridge the divide between communities and the university, by creating a hybrid campus that brings together multiple post-secondary institutions and locates on Indigenous land. Having been awarded an RUH Foundation Grant to begin a think tank, Dr. Tait and her colleagues are working together to create the space for community-led involvement in important healthcare conversations (specifically around organ donation and transplants) for First Nations and Métis peoples.

To learn more about our research groups, please see the Research section of this report.

Social Accountability is...

"the obligation [of medical schools] to direct their education, research and service activities towards addressing the priority health concerns of the community, region, and/or nation they have a mandate to serve. The priority health concerns are to be identified jointly by governments, health care organizations, health professionals and the public."

- World Health Organization (1995)



Education

Enhancing Education

Dr. Vern Bennett
Education Director

The Department of Psychiatry at the University of Saskatchewan delivers education in mental health throughout the medical career lifespan. Mental health educational content delivery begins in the undergraduate MD curriculum and continues into the fully accredited psychiatry postgraduate program.

Undergraduate education is delivered across three sites: Saskatoon, Regina and a smaller complement in Prince Albert. With more than 70 faculty and residents involved in teaching undergraduates, we are proud of our UGME training delivery and the very positive student evaluations. An important indicator of the quality of the USASK MD program is the student performance on the LMCC. **The first graduating class of the 2+2 was in 2018 and students performed at, or above, the national average, for the first time in many years. This success was repeated in 2019.**

There is also a mental health curriculum for family medicine residents, as well as several other residency training programs whose training experiences include psychiatry. The Department provides a robust CME curriculum with grand rounds, journal club, and QI/QA. The highlight of the year is the annual fall Academic Day, which attracts attendees from a variety of positions within the field of mental health, and reaches across Canada via livestreaming.

Each year, the Department provides opportunities for faculty teaching development by encouraging participation in local programs offered through the College of Medicine 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.

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

Dedicated and vision oriented medical educational leadership complemented by succession planning, is the cornerstone of development and delivery of our programs. The passion and inspiration provided, has served to foster interest amongst undergraduate students to consider psychiatry as a career and helps retain graduating residents to provide psychiatric care within the province.

**GRAB A CUP AND *SETTLE IN* TO READ
ABOUT OUR EDUCATIONAL PROGRAMS...**



Education Leadership

Dedicated and vision oriented medical educational leadership complemented by succession planning, is the cornerstone of development and delivery of our medical education programs. The passion and inspiration provided has served to foster interest amongst undergraduate students to consider psychiatry as a career and helps retain graduating residents to provide psychiatric care within the province.

CHANGES TO LEADERSHIP

Dr. Alanna Baillod has been named the lead for the July 2020 launch of the Royal College Competency by Design curriculum.

Dr. James Chen (Regina) and **Dr. Lila Cooper** (Prince Albert) served as the site leads for clerkship and pre-clerkship for many years and we thank them for the stewardship they provided. We welcome **Dr. Temitayo Peluola** (Regina), a recent graduate of the USask Psychiatry residency program, and **Dr. Edward Odogwu** (Prince Albert) into this role.

EDUCATION COMMITTEE

SASKATOON LEADERSHIP

Dr. Vern Bennett
Education Director

Dr. Alanna Baillod
Clerkship Director &
Competency by Design Lead

Dr. Malin Clark
PGME Asst. Director & Child and
Adolescent Subspecialty Director

Dr. Marla Davidson
Postgraduate Medical Education
(PGME) Director, Provincial

Dr. Dawn DeSouza
Family Medicine Resident
(FMR) Coordinator &
Mental Health Foundations

Dr. David Porter
Pre-Clerkship Clinical Skills

Dr. Bienca Lau
Continuing Medical
Education (CME) Director

Dr. Madhav Sarda
Child & Adolescent
Education Coordinator

REGINA LEADERSHIP

Dr. Krishnavellie Reddi
PGME Associate Director

Dr. James Chen /
Dr. Temitayo Peluola
Clerkship Site Lead

PRINCE ALBERT LEADERSHIP

Dr. Lila Cooper /
Dr. Edward Odogwu
PGME & Clerkship Site Lead

ADMINISTRATIVE SUPPORT

Cindy Cardell
Finance & Administration Manager

Harold Shiffman
Acting Finance & Administration
Manager

Kim Laybourne / Kathy McKenzie
PGME Coordinator - Saskatoon

Cassandra Cerniuk / Laura White
UGME Coordinator - Saskatoon

Krista Schultz / Tracy Arnold
PGME Coordinator - Regina

Shanda Litke
UGME Coordinator - Saskatoon

Sarah Vermette
Communications/CME Support

UNDERGRADUATE MEDICAL EDUCATION

Beginning in year one of the four year MD program, students begin to appreciate the complex burden of mental health in society including suicide rates, unique challenges for people of our First Nations, and first steps in understanding how stigma impacts access to care and physician responsibility in changes attitudes and behaviours.

During year two, students participate in an intensive didactic module in parallel with 24 hours of clinical interviewing experiential learning involving over 750 hours of teaching by faculty and residents. The student learning evaluations demonstrate the important growth through this phase of the MD curriculum.

By year three and four, students begin to become members of the mental health care team on the inpatient unit, in the ER, and sometimes outpatient interdisciplinary teams. Students also have the opportunity to attend rural and remote clinics, which are aligned with our commitment to social accountability.

With accreditation now well behind us, the College of Medicine UGME program has been focusing on change and innovation. Over this past year work has been going on behind the scenes in order to implement some exciting changes to the UGME curriculum. In the upcoming academic year, we will be piloting a longitudinal clinic in clerkship. This longitudinal clinic will allow the clerks to get experience working with one preceptor over a longer period of time and will also allow them to see patients over time. Thank you to the department members who volunteered to participate in this initiative.

Another change coming in the next academic year is the piloting of EPAs (Entrustable Professional Activities) in clerkship. The UGME program will be gradually transitioning to a competency based medical education curriculum and one of the first steps is to start implementing EPAs. Each core rotation, including psychiatry, will be piloting two EPAs to start with and more EPAs will be gradually added over the next few years. There will be more information and faculty development coming on this topic.

Students provide meaningful feedback to our module and course directors that is carefully considered during the curriculum quality review process. We strive to incorporate feedback towards continuous improvement in our teaching processes.

- Dr. Alanna Baillo
Clerkship Director

COMPETENCY BY DESIGN

WHAT IS IT?

Competency-based medical education (CBME) is defined as an outcomes-based approach to the design, implementation, assessment and evaluation of a medical education program using competencies as the organizing framework.

WHO CREATED IT?

There is a global shift towards competency based medical education. Competence by Design (CBD) is the Royal College of Physicians and Surgeons of Canada's version of competency based medical education. CBD focuses on the learning continuum from the start of residency to retirement that can be broken down into a series of stages of progression. It is designed to address societal health needs and patient outcomes.

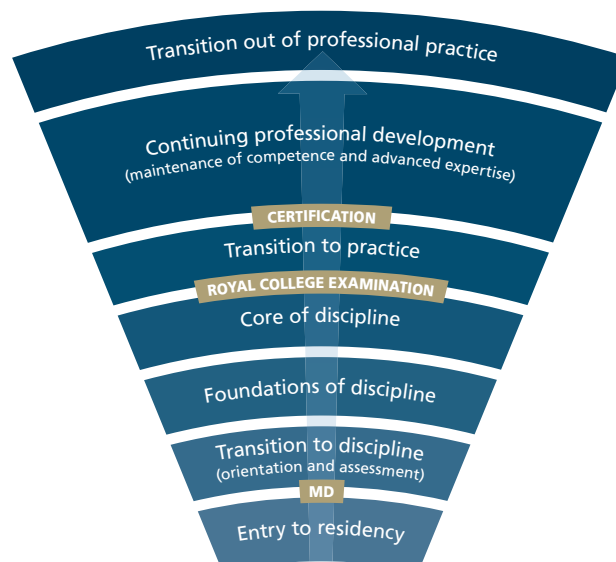
WHY ARE WE IMPLEMENTING IT?

The current residency training model credentials physicians based on time spent in training, not on achievement of necessary abilities. This allows for the potential for residents to graduate with gaps in readiness to practice. Competence by Design will support physicians' skill and abilities to evolve throughout practice, which will enhance care. CBD will also allow our medical education system to address gaps in the current system while also allowing for increased accountability and transparency in training.

CanMEDS 2015

CBD^{1,2} Competence Continuum

By introducing a competency-based medical education model to resident training and specialty practice, the CBD initiative will break down specialist education into a series of integrated stages — starting at transition to discipline and moving through practice. The CBD Competence Continuum provides a quick look at the new stages which begin upon entry into a discipline-specific residency following the attainment of the MD designation.



POSTGRADUATE MEDICAL EDUCATION

The Psychiatry residency training program at the University of Saskatchewan is distributed across two sites and includes our Saskatoon and Regina campuses. After welcoming eight new PGY1 residents to the program, there were 22 residents in Saskatoon and 12 residents in Regina. **The five-year residency program at the University of Saskatchewan mission is to produce competent psychiatrist consultants who will be leaders in the field.**

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 PGY4 psychopharmacology curriculum.

SCHOLARSHIP

Drs. Kristen Edwards, Sarah Frangou, Joshua Frost and **Natalie Garrett** collaborated with Anaesthesia to develop an inter-professional simulation course for psychiatry and anaesthesia residents. **Dr. Frangou** was awarded a College of Medicine Research Award to support the project.

RESEARCH

The residents have been active in research over the past year under the guidance of Dr. Rohit Lodhi and with support from Drs. Mariam Alaverdashvili and Erwin Karreman. A number of residents presented posters at the Saskatchewan Psychiatric Association Scientific Conference and Annual Meeting on April 11, 2019.

Please see the Research section of this report for further information on resident research activity.

NOTABLE

The Saskatoon residents hosted a winter resident retreat, which focused on team building and wellness, and the Regina residents hosted a summer resident retreat at Wascana Park in Regina with the agenda focusing on program review. As well, a number of the Saskatoon psychiatry residents presented sessions on mental health to the public in May 2018 at the *Living with Mental Illness Conference*.

The Department of Psychiatry BBQ was held on June 19, 2019 where faculty and residents engaged in teaching were recognized. **Dr. Nishma Patel**, Regina, and **Dr. David Chong**, Saskatoon, were recognized by their peers with the Department of Psychiatry Resident Teaching Awards for their outstanding contribution to medical education and excellence in teaching.

We also celebrated the graduation of our five PGY5 residents: **Drs. Joshua Frost, Natalie Garrett, Adam Tancred, Nishma Patel** and **Samra Sahlu**. We are looking forward to welcoming two out of our five graduating residents to the faculty in Regina. The remaining three residents will be going on to a PGY6 subspecialty training at the University of Saskatchewan in Child and Adolescent Psychiatry and Forensic Psychiatry.

- Dr. Marla Davidson
PGME Director

Leaders in the Field

RESIDENT JOURNAL CLUB

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.

SASKATOON

Dr. A. Robson-McKay • Efficacy of dialectical behavior therapy for adolescents at high risk for suicide: a randomized clinical trial

Dr. K. Edwards • Maternal and infant outcomes associated with lithium use in pregnancy: an international collaborative meta-analysis of six cohort studies

Dr. K. Riou • The experimental generation of interpersonal closeness: a procedure and some preliminary findings

Dr. D. Huynh • Fighting depression: action video game play may reduce rumination and increase subjective and objective cognition in depressed patients

Dr. K. Quennell • Bridging hospital and community care for homeless adults with mental health needs: outcomes of a brief interdisciplinary intervention

Dr. R. Ojah • Pilot RCT of a social media parenting intervention for postpartum mothers with depression symptoms

Dr. M. Luba • MDMA-assisted psychotherapy for treatment of chronic post traumatic stress disorder: a randomized phase 2 controlled trial

Dr. Eryn Peters • Brexanolone injection in post-partum depression: two multi-centre, double-blind, randomised, placebo-controlled, phase 3 trials

Dr. Catherine Sutherland • A randomized controlled trial of the tumor necrosis factor antagonist infliximab for treatment-resistant depression: the role of baseline inflammatory biomarkers

REGINA

Dr. J. Woo • The relationship between adult attachment and mental health care utilization: a systemic review

Dr. B. Vanderlot • Facial emotion recognition deficits and alexithymia in borderline, narcissistic, and histrionic personality disorders

Dr. S. Singh • Dialectic behavior therapy skills training affects defense mechanisms in borderline personality disorder: an integrative approach of mechanisms in psychotherapy

Dr. J. Howie • Riluzole for relapse prevention following intravenous ketamine in treatment-resistant depression: a pilot randomized, placebo-controlled continuation trial

Dr. N. Selvendrarajah • Effect of prefrontal cortex stimulation on regulation of amygdala response to threat in individuals with trait anxiety: a randomized clinical trial

Dr. K. Bector • Pharmacological interventions for the management and prevention of delirium

Dr. F. Peluola • “I can’t crack the code”: what suicide notes teach us about experiences with mental illness and mental health care

Dr. C. MacCauley • Buprenorphine treatment for hospitalized, opioid-dependent patients: a randomized clinical trial

Dr. T. Uppal • Effectiveness and acceptability of cognitive behavior therapy delivery formats in adults with depression: a network of meta-analysis

CONTINUING MEDICAL EDUCATION

2018-2019 began with a historical look at the treatment of depression by our former colleague Dr. Li. Dr. Mousseau intrigued us with the potential role of the serotonin system in Alzheimer's disease. Drs. MacLean, Saxena, Baillod and Davidson prepared us for the upcoming transition to Competency by Design in medical education. Various aspects of addiction were explored by Dr. Lodhi & Dawn Rain (sexual addiction and opioid dependency), Dr. D'Arcy (cigarette smoking), Dr. Mela & Tara Anderson (ND-PAE). Dr. G. Adams and Andrew Wrath examined the relationship between sleep and attachment, while Drs. Malcolm and Balbuena examined the outcome of psychotherapy. Dr. Aftab updated us on managing perinatal psychiatric disorders. Dr. Davis (Medical Genetics) introduced psychiatric genetics and Dr. Carter (Neurology) modelled a compassionate look at the suffering of those with psychogenic non-epileptic seizures. Carmen Bellows from Sunlife provided practical information for clinicians to collaborate with insurance providers. Dr. Dungavell advocated for the mental health needs of the LGBTQ community while Dr. Carleton (University of Regina) highlighted the struggles of first responders. The academic year completed with Dr. Cummings (Psychology) and Jessica Campoli bringing the focus back to the health of individuals in our profession.

- Dr. Bienca Lau
CME Director

ACADEMIC DAY 2018

Potential Or Trouble: Marijuana in Mental Health

SPEAKERS:

Dr. Robert Laprairie USask • **Dr. Michael Compton** Columbia U • **Dr. Kim Corace** The Royal



A RECORD 249 REGISTRANTS

PSYCHIATRY ROUNDS

SASKATOON

Dr. D. Mousseau • The serotonin system: is there a difference between the male and female brain and, if so, does it have a role in Alzheimer disease?

Drs. A. Saxena & C. MacLean • Implementation of Competency by Design (CBD)

Dr. K. Davis • Psychiatric genetics: an update on genetic testing and case reviews

Dr. C. D'Arcy • Divergent trends: cigarette smoking among depressed and non-depressed Canadians over the last two decades, 1994-2014

Dr. R. Lodhi • Change in patients presenting to and reasons for unplanned treatment termination from an opioid dependency program: an eleven-year retrospective study

Dr. R. Lodhi & D. Rain • Sexual addiction

C. Bellows • Working effectively with insurance providers

Dr. A. Carter • Psychogenic non-epileptic seizures

Dr. J. Cummings • Transformational change in parenting following child interpersonal trauma

Drs. A. Baillod & M. Davidson • If it ain't broke, why change to competency based medical education? Transitioning to CBD in psychiatry

Dr. H. Aftab • Preconception to postpartum: basics of psychiatric management of mothers with mental health conditions

Dr. N. Carleton • Public safety personnel mental health: contemporary research results

Dr. G. Adams & A. Wrath • 'Shut up and sleep with me': exploring the connection between sleep, individual attachment and relationship satisfaction

Drs. D. Malcolm, G. Adams & L. Balbuena • Psychotherapy in clinical practice: evidence from the real world

Dr. S. Dungavell • Psychiatry for the rainbow: exploring LGBT friendly mental health care

Dr. J. Cummings & J. Campoli • Addressing the knowledge & practice gap in self-care for health professionals

REGINA

Dr. C. Johnson & A. Kilmury • MAID

Dr. K. Bector • Schizophrenia: new and exciting discoveries and their impact on clinical decision making

Dr. B. Vanderlot • Somatic symptom disorder and a case presentation

Dr. T. Uppal • Physician suicide: what we know and what are the next steps

Dr. T. Peluola • Pediatric autoimmune neuropsychiatric disorders associated with streptococcus

Dr. C. MacCauley • Case conference: a review of treatment resistant patients

Dr. J. Howie • Ketamine and its enantiomers: applications in psychiatry

Dr. S. Singh • EMDR Therapy in PTSD

Dr. S. Durrani • Delirium in the elderly

FAMILY MEDICINE & OFF-SERVICE RESIDENTS

Family Medicine Residents (FMRs) complete a two-year residency program, which assigns them to a four-week rotation in psychiatry in their first year of residency. In Psychiatry, they attend Adult, Geriatric, Child & Youth, and Maternal Mental Health outpatient clinics. 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.

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. Feedback from the 2018/19 residents outlined “the preceptors” and “teaching provided” among the strengths of the rotation. We expect about 14 FMRs for the 2019/20 academic year and look forward to working with them.

- **Dr. Dawn DeSouza**
FMR Coordinator

AWARD

2019 CANADIAN LEADERSHIP IN MEDICAL EDUCATION
from Canadian Association for Medical Education

Dr. Dawn DeSouza

CAME created CLIME to develop national leaders in health sciences education and is designed to meet the needs of individuals who are engaged in leading initiatives that will promote excellence, innovation, change, and scholarship in Health Sciences.

Promoted to Associate Professor

DR. MARLA DAVIDSON

Dr. Davidson (pictured left) was recognized for having built a positive national reputation early in her career, her delivery of quality teaching and a demonstrated commitment to medical education.

DR. G. CAMELIA ADAMS

Dr. Adams (pictured right) was commended for having developed a well-rounded career, and a commitment to good teaching and research.



AWARDS

2019 FACULTY TEACHING

from Department of Psychiatry (selected by the residents)

Dr. Jason Wagner *Saskatoon*

Jason consistently shows passion for his work from the lens of the patient and from his learners. He checks in with learners and encourages balance, being mindful of resident wellness. He is well liked by patients, and is a pleasure to work with in his dynamic practice.

Dr. Bechedza Hatitchki *Regina*

Bechedza treats each patient with respect, heavily focusing on patient education, and autonomy. She advocates for her patients, residents and staff and always does it with a smile on her face. She offers a comfortable and collaborative learning experience, and it is a privilege to work alongside her.

Divisions & Programs

The Forensic Division is based out of the Regional Psychiatric Centre in Saskatoon. The Child and Adolescent Division has psychiatrists province-wide, and the geriatric program has several partnership initiatives and is working towards becoming a third Royal College subspecialty program within our Department.

CHILD & ADOLESCENT DIVISION

The formation of the Provincial Health Authority has allowed more opportunities for Child and Adolescent psychiatrists in the province to work together on issues that pertain to all of us. Currently, there are 17 Child and Adolescent psychiatrists practicing within the province. Studies based on population suggest that Saskatchewan should have 35-40 Child and Adolescent psychiatrists, so we continue to have significant clinical demands. Wait times for routine consultation have become a political issue, and we have been partnering with the Saskatchewan Health Authority and provincial government to work on reducing wait times. Our wait times have been reduced from two years to one year, with the addition of three triage nurses, and we expect this will be further reduced. In addition, we continue our efforts to recruit more Child and Adolescent psychiatrists to the province.

In January, our Child and Adolescent subspecialty program went through the accreditation process with the Royal College of Physicians and Surgeons. We are pleased to have received full accreditation at this time. Currently, we have three subspecialty residents, and are hoping to expand the program in Regina.

We have started the CAN-REACH training program in the province, to provide education to physicians about how to provide better child psychiatry care in their practices. We continue to participate in the provincial LINK program, to provide non-urgent telephone consultation to all physicians in the province, and hope to build better awareness of this program.

We are very grateful to our Provincial Department Head, Dr. Marilyn Baetz, for all of her excellent work on behalf of our Division this past year.



- Dr. Anna Felstrom
Child & Adolescent Division Head

THE CHILD & ADOLESCENT PSYCHIATRY TEAM

From L-R: Drs. A. Felstrom,
M. Denis, N. Garrett, D. Quinn,
J. Frost, T. Hinz, M. Clark,
A. Robson-McKay

FORENSIC DIVISION

It has been another successful year for 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 (SPMI and Electives) 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. Mansfield 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 are excited to announce that Dr. Tancred is currently enrolled as our first Forensic Fellow candidate. We look forward to updating on his progress in the new year. He is on track to being the first board-certified forensic psychiatrist to come out of our program. Please extend your best wishes for his success. Since this is the first year of the Program, we have an external review in the spring, which members are actively preparing for. Many thanks to Dr. Baziany, our Division Head, for his significant efforts and contributions in this regard. The Forensic Fellowship program would not have been possible otherwise.

- Dr. Stephen Adams
Forensic Psychiatrist

FELLOWSHIPS

FELLOWSHIPS

from Royal Hospital University Foundation

**Drs. Joshua Frost,
Natalie Garrett, &
Jenna Pylypow**

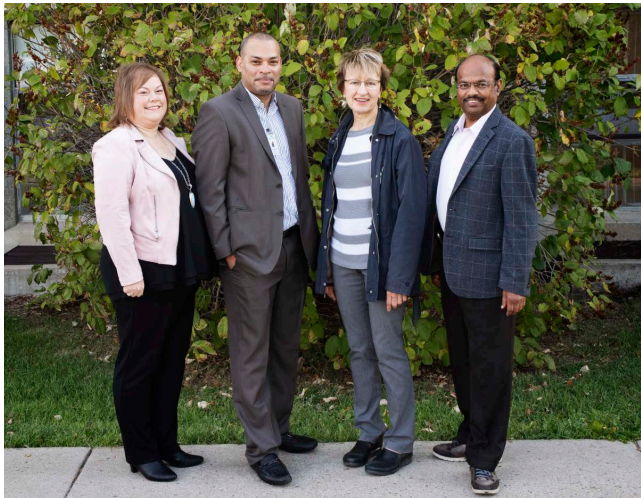
Three of our residents received fellowships from the RUHF to take on a subspecialty in Child & Adolescent Psychiatry.

GERIATRIC PROGRAM

We 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 (such as outreach) for seniors in their homes.

Geriatric Psychiatry interfaces with Mental Health and Addictions Services (MHAS) Seniors Program, and Seniors Health and Continuing Care (SHCC) Behaviour 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 Behaviour 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.

Through collaboration with MHAS two groups are facilitated: Enhanced Cognitive Behavioural Therapy for Seniors with Depression and Anxiety; and Anxiety Management.



As a group we continue to be active in teaching, providing didactic sessions, clinical rotations, and CME activities for health care professionals and caregivers who provide care for seniors with mental illness.

- Geriatric Psychiatry Team

Pictured from L-R: Drs. M. Davidson, R. Uku, L. Thorpe, M. Renuka -Prasad

AWARD

EXCELLENCE IN TEACHING

from Doctors of Saskatchewan

Dr. Marla Davidson

Dr. Davidson was one of six provincial doctors to receive this award. Recipients are selected for their outstanding skills in critical areas of resident education, such as: quality of teaching, positive role modelling, rapport with residents, and overall enthusiasm and commitment.

New & Departing Psychiatrists

ARRIVALS

We were pleased to welcome several of our graduates as attending psychiatrists in the Department:

DR. ALLISON MITCHELL has taken a practice at the Duchess Street clinic working in Severe and Persistent Mental Health. **DR. JASON WAGNER** joined the Department in August 2018. He works at RUH doing acute care psychiatry, filling needs in the emergency department on crisis call, and doing ECT at Dubé Centre for Mental Health.

DR. DAWN ROCCAMATISI works in Dubé Centre for Mental Health in the adult inpatient unit.

DEPARTURES

DR. BUKKY AKINDIPE has left the Department to move back to Ontario with her family. We are grateful for the two years she spent with us in the Department.

RETIRING PSYCHIATRISTS

DR. ESTHER CHERLAND

Dr. Cherland completed her medical education and residency at the University of Saskatchewan. During her residency, in '85/'86, she studied under Professor David Taylor at Manchester University as an honourary senior registrar. Esther spent a great deal of her time and energy on young children in her clinical role and her academic role including child psychotherapy and child pharmacology along with attachment. Within the profession, Esther was a co-chair for the Canadian Academy of Child and Adolescent Psychiatry on the exam board and numerous committees. Within the Department, Esther served for 10 years as the Division Head for Child and Adolescent Psychiatry from 1997 to 2007. Being one of very few child psychiatrists Esther was very passionate about developing the child psychiatry program, not only for education but also for young colleagues. She was very committed to mentoring her colleagues and helping to develop a cohort of child psychiatrists who would come and stay with the program.

DR. RUDY BOWEN

Dr. Bowen joined the Department in 1973 and served for 45 years. His passion for the practice of psychiatry reflected in his longstanding dedication to evidence-based clinical practice and education. He was a pioneer psychiatrist in the use of cognitive behavioral techniques to treat anxiety and mood disorders, which is now the standard for specialty practice. Dr. Bowen is a dedicated clinician mentor with a legacy of practicing and promoting critical thinking, superior practice, ethical behavior, education and research. He was the Director of Postgraduate Education from 1977-82, active in COPE, CPA Education Liaison, and Royal College Specialty Committee from 1975-89. Dr. Bowen was appointed Clinical Director of the Inpatient Unit at Royal University Hospital in 1990. He worked to develop guidelines to help reduce the length of stay — recognized by the SMA with a Quality Improvement Award in 1993. He was Department Head from 1994-2001, was awarded the Small Indiana Professorship, and has served as the Department's Clinical Research Director and Resident Research Support for the last eight years.

Clinical Clinical Services

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.

NEW INITIATIVES

EXPANSION OF CHILD PSYCHIATRY TEAM

In an SHA press release from Nov. 2, 2018, Karen Bassingthwaite, manager of Children's Mental Health & Addiction Services introduced the new Child & Youth Centralized Intake Team. The initial focus of the CMHN positions was to triage the psychiatry referrals, ensuring people are contacted at the time their referral is received. The roles are evolving to include additional nursing responsibilities. The positions are co-located with Child and Adolescent Psychiatry and they will work as integrated team members of Child and Adolescent Psychiatry and the Child & Youth Centralized Intake Team.

RAPID ACCESS CLINIC

The rapid psychiatric assessment clinic is a bridge for individuals between emergency care and longer term psychiatric care. It serves those on psychiatric wait lists, and reduces emergency pressures by allowing some individuals to get the assistance they need without having to return for crisis care. There are two psychiatrists who provide short-term psychiatric follow-up care through the clinic to individuals who have visited RUH emergency, received care, and were discharged back into the community. The clinic may also work in conjunction with the mental health transition team, which is composed of social workers, mental health nurses, and others to ensure those who have sought out help receive follow up care, if needed.

POOLED WAITLIST LAUNCH

The Department of Psychiatry has implemented an adult pooled referral strategy. It was launched in June 2019 after months of development with various stakeholders, including the Ministry of Health. There are more than 20 psychiatrists involved in the pooled referral initiative. This tool is being used to better serve patients, provide ease and clarity to referring practitioners, and as an effective tool for psychiatrists to control the flow of patients in their practise.

UPCOMING: MHAU TO SSU

In our last annual report we announced the new Mental Health Assessment Unit (MHAU) had 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. The MHAU has been providing private intakes within the ER for patients dealing with mental health related issues. With this service being moved with ER to Jim Pattison Children's Hospital (JPCH), the MHAU will put to good use as a short stay unit (SSU) this upcoming year.

COMMUNITY PATIENT CARE

COMMUNITY OUTPATIENT CLINICS

Thirty psychiatrists provide full or part-time outpatient psychiatric care with a combination of general and subspecialized care in the areas of: general adult, anxiety & mood disorders, neuropsychiatry, neurostimulation, psychotherapy, adult ADHD, forensic, LGBT2S, sexual medicine, sleep disorders, and addictions.

MATERNAL MENTAL HEALTH

Psychiatrists provide antenatal/postpartum consultation and care to women with perinatal psychiatric concerns.

NORTHERN MEDICAL SERVICES PSYCHIATRY CLINICS

Psychiatrists provide fly-in and remote services to four Northern Saskatchewan communities -- La Loche, La Ronge, Stony Rapids, and Ile-a-la-Crosse.

EARLY INTERVENTION IN PSYCHOSIS

Psychiatrists provide team-based care to individuals in the early stages of severe psychotic illness.

SEVERE AND PERSISTENT MENTAL ILLNESS

These services are offered through the Mental Health Clinic at Queen & Duchess streets.

STUDENT WELLNESS CENTRE

Located on campus, this service takes a collaborative care team based approach with regular consultations between psychiatrists and GPs.

RURAL CLINICS

We have clinics in seven rural communities throughout Saskatchewan: Outlook, Rosetown, Rosthern, Humboldt, Biggar, Kindersley, and Lanigan

MENTAL HEALTH & ADDICTION SERVICES

MHAS continues to partner with psychiatrists on several research projects, and is excited to work collaboratively as we implement the new 2019/20 investments. These include:

- Thirty new step-down mental health residential support beds for individuals with high and moderate needs in Saskatoon
- Fifty new pre & post addiction treatment beds provincially
- Two positions in Saskatoon for walk-in counselling clinics through Family Service Saskatchewan
- Increased availability of vocational programming through the CMHA
- A mental health professional will be hired in Autism Services in Saskatoon
- Launching of the Rapid Access Addiction Medicine Clinic
- Permanent implementation of a seven-bed Adult Mental Health Short Stay Unit
- New positions for Child & Youth provincially
- New funding for registered nurse and social worker to enhance mental health services in the JPCH Emergency Department
- Emergency Treatment Fund to support opioid and crystal methamphetamine work
- Harm reduction investment for safe consumption pipes and naloxone

#Clinical Numbers at a Glance

CRISIS & 24HR EMERGENCY

Increase in total mental health visits (between 3 sites)

10,000 | 9,174
(2018) | (2017)

Decrease in patients referred for a psychiatric evaluation

20% | 24%
(2018) | (2017)

Decrease in consults, thanks to the Rapid Access Clinic

7% | 13%
(2018) | (2017)

**VISITS BY AGE SECTOR HAVE
REMAINED RELATIVELY STABLE**

Pediatric **19%** | 15%
(2018) | (2017)

Adult **77%** | 79%
(2018) | (2017)

Senior **4%** | 6%
(2018) | (2017)

DUBÉ INPATIENT UNIT

Increase in adult admissions

1,100 | 908
(2018) | (2017)

Decrease in child admissions

260 | 267
(2018) | (2017)

***DUBÉ INPATIENT UNIT HAS
56 BEDS FOR ADULTS AND
10 BEDS FOR CHILDREN**

RAPID ACCESS CLINIC (RAC)

Increase in monthly referrals

80 | 60
(2018) | (2017)

Referrals to RAC from
ER physicians

70% | 57%
(2018) | (2017)

Referrals to RAC from
psychiatry

30% | 43%
(2018) | (2017)

DR. GENE MARCOUX

2018 Mentor of the Year

from The Royal College of Physicians and Surgeons of Canada

The Royal College of Physicians and Surgeons Canada awarded Dr. Gene Marcoux with the 2018 Mentor of the Year Award for Region 2 (Saskatchewan and Manitoba). This award is given in recognition of a significant impact on the career development of students, residents and fellows.

Dr. Marcoux is recognized in his ability to be an excellent role model in demonstrating the qualities and competencies of Leader, Scholar and Professional as described in the CanMEDS framework.

The letters of support for his nomination expressed an overarching theme of how valued and respected he is amongst peers. As one nominator noted:

“I have become who I am today only because of the active involvement of Dr. Marcoux in my life through formal mentorship. He has been eager to guide me and has provided an example of what it looks like to be committed to the education of others, how one can maintain positive relationships with all colleagues, and how a degree of scholarship can be incorporated into a sophisticated, compassionate, professional and dedicated practice of psychiatry.”

“I have had the benefit of an unusual access to young people to train who have turned into excellent clinicians, colleagues and friends. Mentoring the young is one of my greatest delights.” -Dr. Gene Marcoux

Dr. Marcoux (right) received his award from College of Medicine Dean Preston Smith as the Department celebrated.



In the News

STAR PHOENIX COVER STORY

November 5, 2018

Dr. Anna Felstrom, head of the Child & Adolescent Division, provided information regarding extensive waitlist times for children and youth requiring psychiatric care. In April 2018, the Saskatchewan Health Authority was funded to hire a triage nurse and eventually a team of nurses, which helped reduce wait times from two years to six months.

SASKATCHEWAN HEALTH AUTHORITY

November 8, 2018

A team of part-time psychiatrists offer short-term psychiatric follow-up care through the rapid assessment clinic at RUH. The rapid assessment clinic is a bridge for individuals between emergency care and longer term psychiatric care if needed.

UNIVERSITY OF SASKATCHEWAN

January 3, 2019

Dr. Yanbo Zhang and researcher Jacob Cohen (Department of Pharmacology) delivered testimony in the House of Commons to the Standing Committee of Veteran's Affairs Inquiry into Medical Cannabis and Veteran's Well-Being on November 22, 2018.

VARIOUS NEWS OUTLETS WORLDWIDE

Summer 2019

Dr. Yanbo Zhang and colleague Dr. Changiz Taghibiglou (Department of Anatomy, Physiology & Pharmacology) saw news of their study on transcranial magnetic stimulation (TMS) use for concussions published in various news outlets worldwide.

AWARD

CBC'S TOP 40 UNDER 40

from CBC

Dr. Sara Dungavell

Dr. Dungavell was selected for this award because she is a compassionate psychiatrist dedicated to improving the mental health of the most vulnerable populations in the province, and is building capacity within medical students to provide similar care. She has an LGBT2S-friendly clinic at OUTSaskatoon, and is the only psychiatrist in Sask. recognized to approve gender affirming surgery for transgendered patients.

SASKATOON WAS COLDER THAN SIBERIA AND MARS

In mid-February 2019, Saskatoon was a very frigid -43°C with the wind chill. At the same time, in Novosibirsk, the capital of Siberia, the temperature felt like -36°C. The cold in Saskatoon was due to an arctic ridge that passed over Saskatchewan. The ridge caused extremely cold temperatures reaching around -40°C and even the smallest wind caused wind chills bringing the temperature down to -50°C.



AWARDS

PRESENTED AT THE PGME CELEBRATION NIGHT

from College of Medicine, USask

Dr. Neursha Selvendrarajah

CanMEDS Communicator Award

This award honours excellence in collaboration, communication, and role modelling of trust and rapport.

Dr. Kylie Riou

1939 Resident Teacher Award

This award honours excellence in teaching through recognition of student satisfaction.

Dr. Allison Mitchell

Nominated for the CanMEDS Health Advocate Award

This award honours excellence in collaboration, communication, and role modelling of trust and rapport.

Research

Advanced Research

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.

Our aspiration is to conduct world-class mental health research through scholarly activities by remarkably talented clinical, applied and basic researchers, residents and students, supported by exceptionally trained research personnel, and by generous partners and donors.

Departmental research activities span psychiatric genetics, behavioral sciences, neuroscience, psychopharmacology, Indigenous mental health, patient-oriented research, pedagogy of psychiatry, non-invasive interventions, and computational psychiatry-machine learning.

In the 2018/19 academic year the faculty successfully initiated 33 nationally/provincially funded research projects. The Department holds up to 90 active grants, among which 69 grants (\$4,778,725.26) were awarded by CIHR, SHRF, RUHF, SCPOR, the University

of Saskatchewan, CoM and the Department of Psychiatry. The faculty also serves as a co-investigator/collaborator in 16 university-wide collaborative grants (\$59,919,764.00). The fruitful success of our research was also acknowledged by 45 peer-reviewed manuscripts and 4 book chapters/reports. We are delighted and proud of our achievements!

Mentorship is considered a core part of the research agenda in the Department. Seventy-one trainees gained knowledge and research skills during 2018/19 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.

- Dr. Mariam Alaverdashvili
Research Facilitator

"Facts are the air of scientists. Without them you can never fly."

-Linus Pauling

RESEARCH GROUPS

ADDICTIONS & PSYCHOPHARMACOLOGY • Dr. R. Lodhi

The Addictions and Psychopharmacology group, the Department's newest research group, focuses on three main areas: etiology of chemical and behavioural addictions as well as interventions that improve outcomes; new directions in psychopharmacology, including pharmacogenetics; adverse health or treatment outcomes due to psychopharmacological medications or addictions, and lastly service delivery and improvement. Dr. Rohit Lodhi is a psychiatrist-researcher who completed his PhD in psychopharmacology from the University of Edmonton. At the U of S, he has received a 2018 ComRAD award and is currently the principal investigator for a SPCOR project (original funding awarded to Dr. Bowen). During his PhD, he received a University of Alberta Doctoral Recruitment Scholarship, the Hassan F.A. Azim Graduate Award, a CPA Junior Investigator Research Colloquium Award and several travel awards.

ATTACHMENT RESEARCH LABORATORY (ARL) • Dr. G. C. Adams

Led by Dr. Adams, the major research objective of the ARL is to better understand the role played by individual attachment on severity of mental health concerns, treatment utilization, and patient outcomes. Dr. Adams is also Co-PI with Dr. Mousseau (PI) on a CIHR funded project related to cannabidiol and Alzheimer-dementia. This past academic year, the group received funding from the Department of Psychiatry, the Royal University Hospital Foundation, and the College of Medicine, for projects focusing on a variety of psychiatric populations. Several manuscripts were published in a variety of journals (see the Research section of this report), and Dr. Adams presented her research locally at Grand Rounds, nationally at the Canadian Psychiatric Association Annual Conference, and internationally at the International Convention of Psychological Sciences in Paris, France.

CELL SIGNALLING LABORATORY • Dr. D. Mousseau

Dr. Darrell Mousseau is the Saskatchewan Research Chair in Alzheimer's 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's 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. Maa Quartey and Jennifer Nyarko; a laboratory manager, Paul Pennington; three technicians, Ryan Heistad, Kaeli Knudsen, and Justin Lukan; three MSc. students, Lisa Poon, George-Paul O'Byrne, and Cameron Morse; and one PhD student, Carla Palacios. The Cell Signalling Laboratory collaborates with individuals on the U of S campus and at select institutes across Canada.

CHILD & ADOLESCENT PSYCHIATRY • Dr. D. Quinn, Dr. M. Denis, et. al.

There are several studies being performed by various faculty in the area of child and adolescent psychiatry. The research project on impairment in children and adolescents (Dr. Denis) using the World Health Organization disabilities scale has just been completed and the paper is in the process of being submitted. Drs. Quinn, Pylypow and Balbuena developed an irritability rating scale and are now seeing how adolescents self-report their own emotions and how it correlates with parent reports. The Division was pleased to see two of their residents place 1st and 2nd for the best poster award at the Saskatchewan Psychiatric Association annual meeting in May. In addition, a resident had a poster presentation (on variability in ADHD as a new measure of impairment) in April at the World Federation of ADHD conference in Lisbon, Portugal. The division has plans to perform studies on the pharmacokinetics of medicinal marijuana.

COMPUTATIONAL PSYCHIATRY GROUP • Dr. L. Balbuena

Led by Dr. Lloyd Balbuena, the Computational Psychiatry Group applies statistical and machine learning methods to various types of data: electronic medical records, national surveys, administrative records, genomic data, and smartphones. Two graduate students are defending their master's theses in the summer of 2019. Mei Dong (co-supervised with Dr Longhai Li, Math and Statistics) studied the predictive value of various SNPs for Alzheimer's disease. Sharmin Sharker (co-supervised with Dr Cindy Feng, School of Public Health) examined risk factors for mental health hospitalization using data acquired from the Saskatchewan's Ministry of Health. Scientific posters were presented at two international conferences: the International Population Data Linkage Network meeting in Banff, Alberta and at the World ADHD Congress in Lisbon, Portugal. The Computational Psychiatry group is funded by the Saskatchewan Health Research Foundation, RUH Community Mental Health Fund, MITACS, Psychiatry intramural funds, College of Medicine, and the University of Saskatchewan.

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. In the 2018-2019 year, Dr. Tait was awarded a CIHR Network Environments in Indigenous Health Research Development Grant, to fund a Saskatchewan research centre, and she will be submitting the full proposal for the September 4, 2019 deadline. Drs. Tait, Moser and McInnes were awarded an RUH Foundation Grant entitled: "Organ Donation and Transplantation: Examining Culturally-Safe Public Health Education and Health Care Services for Indigenous Peoples." This project brings together Elders, community members, students and physicians to discuss Indigenous perspectives on organ donation and transplantation and hopes to create public health messaging specific to First Nations and Métis peoples. Dr. Tait continues to lead the Saskatchewan Indigenous Mentorship Network, which has just begun its third year and will be hosting its Annual Gathering at First Nations University of Canada September 26-28, 2019.

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 was involved in initiating a diagnostic clinic among offenders with mental disorders. He is also introducing patient engagement among forensic patients on the platform of SCPOR. In addition, he is co-supervising a PhD candidate with Professor Colleen Dell (Sociology). 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, which is in preparation for publication.

SOCIAL & 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).

TRANSFORMATIONAL RESEARCH LABORATORY • Dr. Y. Zhang

Dr. Yanbo 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).

ACTIVE FUNDING

July 1, 2018 - June 30, 2019

*PI = Principal investigator, Co-PI = Co-principal investigator, Co-I = Co-Investigator, No designation = Collaborator

Adams, G. (PI), & Adams, S. (Co-PI). *Effectiveness of the Early Psychosis Intervention Program and the Examination of Risk Factors Interfering with its use.* Royal University Hospital Foundation. Total amount granted: \$20,000.00. 2019 Apr-2021 Mar.

Adams, G. (PI). *Attachment Style and Awakening Cortisol in Clients with Depressive Disorder with or without Comorbid Social Anxiety Disorder.* College of Medicine. Total amount granted: \$ 65,000.00. 2013 Mar-2019 Oct.

Adams, G. (PI), Adams, S. (Co-PI), McMillan, K., Clark, M., & Mitchell, A. *Effectiveness of the early psychosis intervention program and the examination of risk factors interfering with its use.* College of Medicine Research Award. Total amount granted: \$22,420. 2018 Oct-2019 Dec.

Adams, G. (PI), Adams, S. (Co-PI), McMillan, K. (Co-I), Clark, M. (Co-I). *Effectiveness of early psychosis intervention program and the examination of risk factors interfering with its use.* Alfred G Molstad Trust and Peter Matthews Enhancement Award. Total amount granted: \$8,650. 2018 Aug-2020 Jul.

Adams, G. (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.* Alfred G. Molstad Trust. Total amount granted: \$10,000. 2017 Nov-2019 Oct.

Adams, G.C. (PI). *Psychotherapy outcome in clients with anxiety and depression.* College of Medicine, University of Saskatchewan. Total amount granted: \$85,000. 2012 Oct-2019 Dec.

Adams, G. (PI), & McWilliams, L. (Co-I). *Adult attachment and the cost-to-treat in the psychiatric outpatient population.* Royal University Hospital Foundation Research Grant. Total: \$21,708. 2017 Apr 06-2019 Mar 31.

Adams, G. (PI), & McWilliams, L. (Co-I). *Adult attachment and the cost-to-treat in the psychiatric outpatient population.* Laura E. Chapman Award for Psychiatry Research. Total: \$2,235. 2016 Nov-2018 Oct.

Adams, G. (PI), Mela, M. (Co-PI), Adelugba, O., Kotlar-Livingston, A., Andreen, A., & McKenna, A. *The relationship between attachment, recidivism and treatment in forensic patients with mental illness.* Saskatchewan Health Research Foundation - Collaborative Innovation Development Grand. Total amount granted: \$48,923. 2017 Mar 01- 2020 Feb 28.

Babyn, P. (PI), Singh, B. (Co-PI), Geyer, C. (Co-I), Fonge, H. (Co-I), Mendez, I. (Co-I), Mousseau, D. (Co-I), de Jong, M. (Co-I), Abrams, S. (Co-I), Adl, S. (Co-I), & Papandreou, Z. (Co-I). *Saskatchewan Nuclear Imaging Program.* The Fedoruk Centre. Total amount granted: \$5,200,000. 2015-2019.

Balbuena, L.C. (PI), Bowen, A. (Co-I), Bowen, R. (Co-I), Bally, J. (Co-I), & Brantsaeter, A. (Co-I). *Neuroticism and mood instability as suicide prevention targets.* Saskatchewan Health Research Funding (SHRF). Total amount granted: \$119,997. 2017 Sep-2020 Sep.

Balbuena, L.C. (PI), Bowen, R. (Co-I), John, A. (Co-I), & Brantsaeter, A.L. (Co-I). *Are there dietary and lifestyle factors for the self-prevention of suicide.* Alfred G Molstad Trust Fund, Department of Psychiatry, University of Saskatchewan. Total amount granted: \$9,000. 2016 Nov 01-2018 Oct 31.

Balbuena, L. (PI), Bowen, A. (Co-I), Bowen, R. (Co-I), Bally, J. (Co-I), Brantsaeter, A. (Co-I). *Neuroticism and mood instability as suicide prevention targets.* Saskatchewan Health Research Funding (SHRF). Total amount granted: \$119,997. 2017 Sep-2020 Sep.

Balbuena, L.C. (PI). *Distal, proximal and immediate antecedents of suicide.* Provost, University of Saskatchewan. Total amount granted: \$57,000. Jan 2016-Jun 2021.

Balbuena, L.C. (PI). *Suicidal Psychological Autopsy Network Saskatoon (SPANs).* Royal University Hospital Foundation. Total amount granted: \$23,500. Apr 2017-Oct 2018.

Balbuena, L.C. (PI), Davis, K. (Co-I), Li, L. (Co-I), Feng, C. (Co-I). *Is Smoking a Suicide Prevention Target?* College of Medicine. Total amount granted: \$21,152. Nov 2017-Jun 2019.

Balbuena, L. (PI), Babyn, P. (Co-I) *Resident Research Award (Dr. Evyn Peters)*, College of Medicine Resident Research Award. Total amount granted: \$2,000. Feb 2019-Jul 2020.

Balbuena, L.C. (PI). *Comparing melancholic features and depression severity as predictors of response to lamotrigine over placebo for the treatment of acute bipolar depression*. University of Saskatchewan. Total amount granted: \$ 12,200, Jan 2019-Jul 2020.

Bellegarde, R. (Co-I), **Tait, C.** (Co-I), & Bear, D. (Co-I). *International Indigenous Health Research Centre Business Plan*. Joint partnership Saskatchewan Indian Institute for Technologies and Chief Darcy Bear, Whitecap Dakota First Nation, Indigenous Services Canada. Total amount granted: \$70,000. 2019 May-2020.

Bennett, V. (PI), Riou, K. (Co-PI), D'Eon, M. (Co-I), Teucher, U. (Co-I), *Comparing Medical Students Experience with Stigma at UBC, USASK, and UH*. Department of Psychiatry - Peter Matthew Enhancement Award for Child & Adolescent Research. \$ 2,000. 2017 Apr-2018 Oct.

Boctor, K. (PI) **Balbuena, L.** (Co-PI), Coruzzi (Co-PI). *Healthcare disparities amongst patients with serious mental illness presenting to ED with primary cardiovascular diseases*. Department of Psychiatry-Alfred G. Molstad Trust Award. Total amount granted: \$7,000, 2017-2019.

Bowen, R. (PI), **Balbuena, L.** (Co-I), **Zhang, Y.** (Co-I), & **Baetz, M.** (Co-I). *Low dose short term lithium for suicidality*. SCPOR. Total: \$30,000. 2018 Mar-2019 Mar.

Cayabyab, F. (PI), & **Zhang, Y.** (Co-PI). *DMS as a potential treatment for ischemic stroke: a preclinical study*. ComRad Grant, College of Medicine, USask. Total amount granted: \$30,000. 2017 Oct-2018 Oct.

D'Arcy, C. (PI). *Support to move of the Saskatchewan Research Data Centre (SKY-RDC) and the Canadian Research Data Centres Network (CRDCN) to a thin client model*. Canadian Foundation for Innovation (CFI) – Major Scientific Initiative (MSI). Total amount granted: \$18,766. 2018 Apr-2019 Mar.

D'Arcy, C. (PI). *Concerning Collaboration to Support and Promote Access to and Use of Microdata (CRDCN) - SKY-*

RDC. Social Science and Humanities Research Council of Canada (SSHRC). Total amount granted: \$31,776. 2018 Apr-2019 Mar.

D'Arcy, C. (PI). *The Move to Big Data Canadian Institute of Health Research*. Total amount granted: \$31,765. 2018 Oct-2021 Mar.

D'Arcy, C. (PI). *The Move to Big Data*. Social Science and Humanities Research Council of Canada (SSHRC). Total amount granted: \$31,765. 2018 Oct-2021 Mar.

D'Arcy, C. (PI). *Concerning Collaboration to Support and Promote Access to and Use of Microdata (CRDCN) - SKY-RDC*. Canadian Institutes for Health Research (CIHR). Total amount granted: \$3,196. 2018 Apr-2019 Mar.

D'Arcy, C. (PI). *Concerning Collaboration to Support and Promote Access to and Use of Microdata (CRDCN) - SKY-RDC*. Social Science and Humanities Research Council of Canada (SSHRC). Total amount granted: \$31,286. 2017 May-2019 Apr.

D'Arcy, C. (PI). *Canadian Research Data Centre Network: Integrating New Initiatives for a Stronger Future*. Social Science and Humanities Research Council of Canada (SSHRC). Total amount granted: \$61,888. 2017 May-2019 Apr.

D'Arcy, C. (PI). *How much does the history of childhood maltreatment (abuse and neglect) influence future neurocognitive functioning among affected individuals? A systematic review with meta-analysis*. Dept. of Psychiatry - Arena & Kripa Thakur Award & Peter Matthews Enhancement Award. \$ 5,800. 2017 Nov-2019 Oct.

Davidson, M. (PI), & Frangou, S. (Co-I). *The effect of high fidelity simulation based electroconvulsive therapy training in an inter-professional setting for psychiatry and anesthesia residents*. College of Medicine Resident research Award. Total amount granted: \$2,000. 2018 Oct 11-2019 Oct 04.

Davidson, M. (PI), Frangou, S. (Co-I), Edwards, K. (Co-I), Garrett, N. (Co-I), & Frost, J. (Co-I). *The effect of high fidelity simulation based electroconvulsive therapy training in an interprofessional setting for psychiatry and anesthesia residents*. Department of Psychiatry Intramural Research Funding-Alfred G. Molstad Trust. Total amount granted: \$4,700. 2018 Aug 01-2020 Jul 31.

Davidson, M. (PI), **Mela, M.** (Co-PI), & Luther, G. (Co-I). *E-modules for teaching forensic psychiatry for an interdisciplinary law and psychiatry joint seminar and workshop series*. Department of Psychiatry Intramural Research Funding-Department Head Discretionary Fund. Total amount granted: \$6,268. 2018 Aug 01-2020 Jul 31.

Davidson, M. (PI), **Mela, M.** (Co-PI), & Luther, G. (Co-I). *E-modules for teaching forensic psychiatry for an interdisciplinary law and psychiatry joint seminar and workshop series*. Department of Psychiatry Intramural Research Funding-Menzies Gray Research Endowment Fund. Total amount granted: \$736. 2018 Aug 01-2020 Jul 31.

Davidson, M. (PI), **Mela, M.** (Co-Principal Investigator), Luther, G. (Co-investigator). *E-modules for teaching forensic psychiatry for an interdisciplinary law and psychiatry joint seminar and workshop series*, Department of Psychiatry Intramural Research Funding-Merlis Belsher Family fund in Forensic Psychiatry. Total amount granted: \$9,984. 2019 March – 2020 July

Davidson, M. (PI), **Mela, M.** (Co-PI), & Luther, G. (Co-I). *E-modules for teaching forensic psychiatry for an interdisciplinary law and psychiatry joint seminar and workshop series*. Department of Psychiatry Intramural research Funding-Merlis Belsher Family Fund in Forensic Psychiatry. Total amount granted: \$2,980. 2018 Aug 01-2020 Jul 31.

Davidson, M. (PI), **Mela, M.** (Co-PI), Luther, G. (Co-I). *E-modules for teaching forensic psychiatry for an inter-disciplinary law and psychiatry joint seminar and workshop series*. Department of Psychiatry Intramural Research Funding - Merlis Belsher Family fund in Forensic Psychiatry. Total amount granted: \$3,100. 2018 Jan 01-2020 Jan 01.

Davidson, M. (PI). *Multisource feedback of psychiatry resident performance. Developing e-modules for teaching forensic psychiatry for an interdisciplinary law and psychiatry joint seminar and workshop series*. University of Saskatchewan, Provost. Total amount granted: \$47,000. 2016 Jan-2020 Mar.

Denis, M. (PI). *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*. RUHF. Total amount granted: 21,318. Nov. 24 2016-Sep. 30 2019.

Gamble, J. (PI), **Bowen, R.** (Co-I), **Balbuena, L.C.** (Co-I), Li, E. (Co-I), Lee, S. (Co-I), & Peters, E. (Co-I). *A 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*. RUH Foundation. Total amount granted: \$24,327. 2017 Apr-2019 Apr.

Goodridge, D. (PI), Neudorf, C. (Co-PI), Ward, H. (Co-I), Penz, E. (Co-I), **Balbuena, L.C.** (Co-I), Lim, H. (Co-I), Ugolini, C., Chipperfield, D., & Hiebert, J. *How do material and social deprivation affect health care utilization of high system users with multi-morbidity in Saskatchewan: a retrospective cohort study*. SHRF Total amount granted: \$50,000. 2017 Mar 01-2019 Feb 28.

Goodridge, D. (PI), Neudorf, C. (Co-PI), Ward, H. (Co-I), Penz, E. (Co-I), **Balbuena, L.C.** (Co-I), Lim, H. (Co-I), Ugolini, C., Chipperfield, D., & Hiebert, J. *How do material and social deprivation affect health care utilization of high system users with multi-morbidity in Saskatchewan: a retrospective cohort study*. Statistics Canada . Total amount granted: \$20,000. 2017 Mar 01-2019 Feb 28.

Henry, R. (PI), **Tait, C.** (Co-PI), Crowshoe, L. (Co-PI), Gabel, C. (Co-PI), Hovane, V. (Co-PI), Koch, J. (Co-PI), Lambert, S. (Co-PI), Murry, A. (Co-PI), Peters, A. (Co-PI), Tamatea, A. (Co-PI), Uttjek, M. (Co-PI), Voyageur, C. (Co-PI), Mussell, W. (Co-I), & Hansen, G. (Co-I). *Sites of survivance network: Survival, resistance and resurgence of Indigenous health and well-being*. Canadian Institute for Health Research (CIHR). Total amount granted: \$75,000. 2018 Oct 01-2019 Sep 30.

Johner, R. (Co-PI), Novotna, G. (Co-PI), Benedicenti, L. (Co-I), Bowen, A. (Co-I), Gelowitz, C. (Co-I), Henry, R. (Co-I), Novik, N. (Co-I), Palibroda, B. (Co-I), **Tait, C.** (Co-I). *Access to recovery with assistive technology devices*. CIHR. Total amount granted: \$451,350. 2018 Apr 01-2021 Mar 31.

Lawson, J. (PI), Goodridge, D. (Co-I), Rennie, D. (Co-I), **Balbuena, L.C.** (Co-I), & **Quinn, D.** (Co-I). *An investigation into the relationship between childhood asthma and mental health conditions*. College of Medicine CoMRAD. Total amount granted: \$20,087. 2018 Dec 07- 2019 Dec 02.

Lodhi, R.J. (PI). *'Addictions and Psychopharmacology' - Research Start-Up Fund*. College of Medicine, University of Saskatchewan. Total amount granted: \$50,400. 2019.

Lodhi, R.J. (PI), **Bowen, R.** (Co-I), **Balbuena, L.** (Co-I), **Zhang, Y.** (Co-I), **Baetz, M.** (Co-I). Low dose short term lithium for suicidality. SPCOR Grant. Total amount granted: \$30,000. 2018 – Jan 2019.

Lodhi, R. (PI), **Bowen, R.** (Co-I), **Balbuena, L.** (Co-I), **Zhang, Y.** (Co-I), **Baetz, M.** (Co-I). Low dose short term lithium for suicidality. SCPOR-SHRF. Total amount granted: \$30,000. Jan 2019-Jan 2020.

Lodhi, R.J. (PI) and Blackburn D. (Co-I). *Treatment of Weight Gain and Metabolic Syndrome in Psychotic Patients on Clozapine Using Psychostimulants*. CoMRAD Grant 2018. College of Medicine, University of Saskatchewan. Total amount granted: \$9,984. 2018.

Lodhi, R.J. (PI), **Marcoux G.** (Co-PI). *Treatment of Weight Gain and Metabolic Syndrome in Psychotic Patients on Clozapine Using Psychostimulants*. AA Pharma Research Grant. AA Pharma Grant Budget. Total amount granted: \$15,000. 2019.

Malla, A. (PI), Tait, C. (Co-I), & **Mela, M.** *Pan-Canadian collaborative patient oriented initiative with the provinces, territories, and partners, to increase resources and support research to transform adolescent mental health (TRAM)*. Government of Canada funding through CIHR and Graham Boeckh Foundation funding. Total amount granted: \$25,000,000. 2014 Jun-2019 Jun.

Malla, A. (PI), Bilerman, M.L. (Co-PI), Delorme, A. (Co-PI), Dupras, J. (Co-PI), Joseph, D.J. (Co-PI), Jacob, M. (Co-PI), Mcvey, L.K. (Co-PI), Reaume-Zimmer, P.R. (Co-PI), Levasseur, M.A. (Co-PI), Savoie, N. (Co-PI), Rodrigue, J. (Co-PI), **Tait, C.** (Co-PI), Shaw, R.K. (Co-PI), Thornhill, J. (Co-PI), Tritt, A.L. (Co-PI), Whitenect, B.A. (Co-PI), Andersson, N. (Co-PI), Aubin, D. (Co-PI), Boksa, P.J. (Co-PI), Chachamovich, E. (Co-PI), Hutt-MacLeod, D. (Co-PI), Iyer, S.N. (Co-PI), Joobar, R. (Co-PI), Lal, S. (Co-PI), Rousseau, C. (Co-PI), Shah, J. (Co-PI), Whalen, C. (Co-PI), Broadhurst, J. (Co-I), Chafetz, P. (Co-I), Doiron, Y. (Co-I), Eckstein, R. (Co-I), Gauthier, E. (Co-I), LeBlanc, M. (Co-I), Mcvey, L.K. (Co-I), Abdel-Baki, A.M. (Co-I), Beaton, A.M. (Co-I), Beaulieu, S. (Co-I), Boksa, P.J. (Co-I), Bourque, J. (Co-I), Casacalenda, N. (Co-I), Chandrasena, R.D. (Co-I), Daniel, H. (Co-I), Episkew, J.M. (Co-I), Fuhrer, R. (Co-I), Laporte, L. (Co-I), Lecomte, T. (Co-I), McKinney,

V. (Co-investigator), **Mela, M.** (Co-I), Normandeau, S. (Co-I), Paris, J. (Co-I), Shah, J. (Co-I), Steiger, H. (Co-I), & Torrie, J.E. (Co-I). *Adolescent/Early Adult Connections to Community driven, Early, Strength-based and Stigma-free Services" (ACCESS) for the Transformational Research in Adolescent Mental Health Initiative*. CIHR and The Graham Boeckh Foundation. Total amount granted: \$25,000,000. 2014-2019.

Mela, M. (PI). *CanFASD oriented research on FASD and mental disorder*. Funding for Research Co-Lead in diagnostics. Total amount granted: \$32,000. 2017 Jul-2018 Aug.

Mela, M. (PI). *Catalyzing POR in forensic Psychiatry*. Total amount granted: 30,000. 2019 Jun-2020 Sep.

Mela, M. (PI). Catalyzing POR in forensic psychiatry, Intramural Grant. Total amount granted: \$9,100. 2019 Jun-2020 Sep.

Mela, M. (PI). *Global Ambassador Outgoing Program*. Office of Vice-Dean Research. University of Saskatchewan. Total amount granted: \$ 5,000. 2019 Jan-2019 Mar.

Mela, M. (PI). *The Utility of Psychotropic Drugs on Patients with Fetal Alcohol Spectrum Disorder (FASD): A Systematic Review*. Office of Vice-Dean Research. University of Saskatchewan. Total amount granted: \$500. 2019 Jun-2019 Apr.

Meng, X. (PI), Fluery, M. (Co-PI), **D'Arcy, C.** (Co-I), Caron, J. (Co-I), Crocker, A. (Co-I), Katerms, Y. (Co-I), Schmitz, N. (Co-I), Elgar, F. (Co-I), Perrault, M. (Co-I), O'Donnell, K. (Co-I), Turecki, G. (Co-I), Whitley, R. (Co-I), Paquet, C., Daniel, M., Marchand, A., & Tremblay, J. *Influence of social mobility on mental health, mental disorders and cognitive functioning in an intergenerational cohort of a large longitudinal community-based study*. CIHR. Total amount granted: \$1,730,000. 2017 May-2019 Apr.

Meng, X. (PI), **D'Arcy, C.** (Co-I), O'Donnell, K. (Co-I), Turecki, G. (Co-I), Whitley, R. (Co-I), Young, Y. (Co-I), Caron, J. (Co-I), Fluery, M. (Co-I), Low N (Co-I). *Integrating and evaluating machine learning applied to risk prediction of stress-related mental disorders: an in-depth exploration of bio-psycho-social attributes*. CIHR. Total amount granted: \$525.00. 2017 May-2019 Apr.

Mooshekhian, A. (PI) and **Zhang, Y.** (Co-PI). *The new insight of atypical antipsychotics in schizophrenia: Effects on cuprizone-induced demyelination and remyelination in mice.* Department of Psychiatry - Alfred G. Molstad Trust and Aruna and Kripa Thakur Award. Total amount granted: \$5,000. 2017 -2019.

Mousseau, D. (PI), **Adams, G.** (Co-PI), Alcorn, M. (Co-I), Huntsman, R. (Co-I), Laprairie, R. (Co-I), Mansell, H. (Co-I), Mansell, K. (Co-I), Acton, B., Cox, J., Kim, R., Schick, D., Seifert, B., & Tsuyuki, R. Assessing the potential for using cannabidiol as a management option for anxiety in Alzheimer-dementia patients. CIHR Catalyst Grant: Cannabis Research in Urgent Priority Areas. Total amount granted: \$100,031. 2019 Mar-2020 Feb.

Mousseau, D. (PI), Alcorn M (Co-I). *Replacing animal use through alternative methods infrastructure for the discovery of new medicines.* The Hildegard Lejins Fund (managed by the College of Medicine). Total amount granted: \$216,066. 2018 Oct.

Mousseau, D. (PI). *Depression as a risk for Alzheimer disease.* College of Graduate and Postdoctoral Studies, Matching funds. Total amount granted: \$80,000. 2018 Aug-2022 Aug.

Mousseau, D. (PI). **What is depression, as a risk factor, revealing about early events in AD?** Saskatchewan Research Chair (Operating Fund): renewal. Alzheimer Society of Saskatchewan and SHRF (50:50). Total amount granted: \$25,000. 2015-2020.

Mousseau, D. (PI). *What is depression, as a risk factor, revealing about early events in AD?* College of Medicine (Matching fund), Total amount granted: \$1,000,000. 2015-2020 (\$200K per year).

Mousseau, D. (PI). *Using pH sensitive probes to monitor flipping behaviour of membrane-bound proteins.* College of Medicine Research Award (CoMRAD). Total amount granted: \$30,000. 2017 Sep-2018 Dec.

Mousseau, D. (PI), Knudsen, K. *Screening for Alzheimer Disease-Related Toxicity Profiles of Antidepressant Drugs Using the C. Elegans Worm and Neuronal Cultures.* College of Medicine. Total amount granted: \$3,600. 2018 Jan-2019 Jul.

Mousseau, D. (PI), Laprairie, R. (Co-I). *Inaugural Saskatchewan Cannabinoid Research Symposium.* College of Medicine. Total amount granted: \$5,000. 2018 Jan-2018 Dec.

Mousseau, D. (PI). *Depression as a Risk for Alzheimer Disease.* College of Medicine, Matching funds. Total amount granted: \$100,000. 2018 Jun-2022 Jun.

Mousseau, D. *Mass spectrometry and proteomic facility for studying brain disorders.* Canadian Foundation for Innovation. Total amount granted: \$1,200,000. 2015-2019.

Phenix, C. (PI), Palmer, D. (Co-I), **Mousseau, D.** (Co-I), Hicks, D. (Co-I), Davis, R. (Co-I). *Evaluation of PET Radiotracers for Imaging Glucocerebrosidase in Parkinson's disease.* Canadian Glycomics Network. Total amount granted: \$435,000. 2017 Nov-2019 Dec.

Quinn, D. (PI), Pylypow, G. (PI). *Measuring Self-Reported Emotional Regulation in Youth in Inpatient and Outpatient Psychiatric Population.* College of Medicine. Total amount granted: \$ 2,000. 2019 Jan-2019 Oct.

Seidlikoski, Y. W. (PI), & **Tait, C.** *Saskatchewan Centre for Patient-Oriented Research Trainee Award.* Saskatchewan Centre for Patient-Oriented Research. Total amount granted: \$27,000. 2018 Jan-2020 Aug.

Taghibiglou, C. (PI), & **Zhang, Y.** (Co-I). *Effect of Low Field Magnetic Stimulation (LFMS) on Restoring Dopaminergic Neurons, Cognitive and Motor Functions in an experimental model of Parkinson's disease.* Collaborative Innovation Development Grant - Saskatchewan Health Research Foundation (SHRF). Total amount granted: \$50,000. 2019 Jun 13-2020 May 13.

Tait, C. (PI), Sasakamoose, J. (Co-PI), Lavallee, C. (Co-PI), **Baetz, M.**, Beatty, B., Berry, L., Butt, P., Chelico, L., Dell, C., Groot, G., Dyck, R., Foulds, H., Hackett, F., Henry, B., King, A., Lovo, G. S., & Oosman, S. *Network Environments for Indigenous Health Research.* CIHR. Total amount granted: \$75,000. 2018 Sep-2019 Sep.

Tait, C. (PI), Moser, M. (Co-PI), & McInnes, A. (Co-PI). *Organ donation and transplantation: examining culturally safe public health education and health care services for Indigenous Peoples.* Royal University Hospital Foundation. Total amount granted: \$22,000. 2019 May-2021 Apr.

Tait, C. (PI), & Restoule, B. (Co-PI). *First Peoples' Wellness and Recovery Network. Letter of Intent.* Development Grant. Networks of Centres of Excellence – Knowledge Mobilization. Total amount granted: \$15,000. 2018 Jun-2019 Jun.

Tait, C. (PI), Innes, R. (Co-PI), Milosavljevic, S. (Co-I), Abonyi, S. (Co-I), Butler, L. (Co-I), Dell, C. (Co-I), Ferguson, L. (Co-I), Foulds, H. (Co-I), & Hackett, F. (Co-I). *Building Reconciliation Together: Transformative Intergenerational Mentorship.* Canadian Institutes of Health Research. Total amount granted: \$1,000,000. 2017 Apr 01-2022 Mar 31.

Tait, C. (PI), & Graham, H. (Co-I). *Building Reconciliation Together: Transformative Intergenerational Mentorship.* Training Grant: Indigenous Mentorship Network Program CIHR. Total amount granted: \$200,000. 2017 Jan 31-2020 Dec 31.

Tait, C. (PI). *Building Reconciliation Together - Transformative Intergenerational Mentorship.* University of Saskatchewan, OVPR. Total amount granted: \$40,000. 2018 Apr-2022 Mar.

Tait, C. (PI), Restoule, B. (Co-PI). *First Peoples' wellness and recovery network. Letter of Intent.* Development Grant. Networks of Centres of Excellence – Knowledge Mobilization. Total amount granted: \$15,000. 2018 Jun-2019 Jun.

Tait, C. (PI). *Indigenous Peoples' Health Research Centre.* College of Medicine (Matching funds). Total amount granted: \$10,000. 2018 Feb-2019 Sep.

Tait, C. (PI). *Patient Engagement Application Development Award: Organ Donation and Transplantation: Examining Culturally Safe Public Health Education and Health Care Services for Indigenous Peoples.* CIHR-SCPOR. Total amount granted: \$2,500. 2018 Aug-2019 Nov.

Woo, J. (PI), & **Adams, G.** (Co-PI). Attachment and self-injurious behaviours in child and adolescent populations: A systematic review, Peter Matthews Enhancement Award. Total amount granted: \$2,503. 2018 Aug-2020 Jul.

Zhang, Y. (PI). *Low Field Magnetic Stimulation (LFMS) for mood and memory, from bench to bedside.* University of Saskatchewan. Total amount granted: \$67,244. 2017 Apr-2022 Jan.

Zhang, Y. (PI). *Research Start-Up Funding.* College of Medicine. Total amount granted: \$46,000, until 2022 Aug.

Zhang, Y. (PI). *The effects of varying levels of stress and cuprizone treatment on behaviour and myelin pathology in the live brain and cells.* Faculty Recruitment and Retention Program. University of Saskatchewan. Total: \$599,000.00 for 2016 Jul-2019 Jun.

Zhang, Y. (PI), & **Bowen, R.** (Co-I). *Low Field Magnetic Stimulation (LFMS) for treatment-resistant depression, RCT trial.* ComRad Grant, College of Medicine, University of Saskatchewan. Total amount granted: \$24,500. 2017 Oct-2018 Oct.

Zhang, Y. (PI), & Cohen, J. (Co-I). *Cannabidiols a potential treatment for PTSD, a preclinical study.* Accelerate fellowship Mitacs. Total amount granted: \$30,000. 2019 Mar 01-2020 Jul 01.

Zhang, Y. (PI), & Verge, V. (Co-PI). *The effects of low-field magnetic stimulation on neuroprotection, microglia modulation and myelin repair: a potential therapy for cognitive impairment and depression in multiple sclerosis.* Saskatchewan Health Research Foundation (SHRF). Total amount granted: \$120,000. 2018 Jul 01-2020 Jun 01.

Zhang, Y. (PI). *Double-Blind Proof-of-Concept Trial of Intermittent Theta Burst Low Field Magnetic Stimulation Augmentation of Antidepressant Therapy in Treatment-Resistant Depression.* College of Medicine. Total amount granted: \$24,102. 2017 Oct-2018 Dec.

Zhang, Y. (PI). *Therapeutic Potentials of Medical Cannabis in a Rat Model of Post-Traumatic Stress Disorder (PTSD).* College of Medicine. Total amount granted: \$17,150. 2018 Dec-2020 Jul.

Zhang, Y. (PI) and Cohen, J. (Co-I). *Therapeutic Potentials of Medical Cannabis in a Rat Model of Post-Traumatic Stress Disorder (PTSD).* Mitacs Inc. Total amount granted: \$15,000. 2019 Mar-2020 Feb.

Zhang, Y. (PI). *rTMS in Managing Mouse Model of Late Life Depression.* Department of Psychiatry. Total amount granted: \$9,000. 2017 Mar-2019 Jun.

PUBLICATIONS

REFEREED JOURNALS

Adams, G.C., McWilliams, L.A., Wrath, A.J., Mondal, P., Harder, J.A., Skomro, R., Fenton, M.E. (2019). Levels of attachment insecurity and psychiatric symptoms differ according to the level of sleep-related difficulties in individuals with obstruction sleep apnea. *Journal of Psychosomatic Research*. 123:109731. doi: <https://doi.org/10.1016/j.jpsychores.2019.05.009>

Aitchison, K., **Lodhi, R.J.**, Wang, Y., Henriques, B.C., Hu, X., Lee, D., et al. (2019). F93. CYP2D6 revisited in GENDEP, a multicenter clinical trial of Nortriptyline and Escitalopram. *Biological Psychiatry*. 85(10):S248-S9. doi: [10.1016/j.biopsych.2019.03.630](https://doi.org/10.1016/j.biopsych.2019.03.630)

Adams, G.C., Wrath, A.J., Meng, X. (2018). The relationship between adult attachment and mental health care utilization: A systematic review. *Canadian Journal of Psychiatry*, 63(10):651-660. doi: [10.1177/0706743718779933](https://doi.org/10.1177/0706743718779933)

Adams, G. C., Wrath, A. J., Mondal, P., & Asmundson, G. J. G. (2018). Depression with or without comorbid social anxiety: Is attachment the culprit? *Psychiatry Research*, 269, 86-92. doi: [10.1016/j.psychres.2018.08.037](https://doi.org/10.1016/j.psychres.2018.08.037)

Alphonsus, K. B., Su, Y., & **D'Arcy, C.** (2019). The effect of exercise, yoga and physiotherapy on the quality of life of people with multiple sclerosis: Systematic review and meta-analysis. *Complementary Therapies in Medicine*, 43, 188-195. doi: [10.1016/j.ctim.2019.02.010](https://doi.org/10.1016/j.ctim.2019.02.010)

Almandil, N., **Lodhi, R.J.**, Ren, H.Y., Besag, F., Rossolatos, D., Ohlsen, R., et al. (2018). Associations between the LEP -2548G/A promoter and baseline weight and between LEPR Gln223Arg and Lys656Asn variants and change in BMI z in Arab children and adolescents treated with risperidone. *Molecular Neuropsychiatry*, 4, 111-117. doi: [10.1159/000490463](https://doi.org/10.1159/000490463)

Baharani, A., **Mousseau, D.D.**, Scruten, E., & Napper, S. (2018). Deregulated signalling of microtubule dynamics within induced pluripotent stem cells derived from a Huntington's disease patient. *Molecular and Cellular Neuroscience*. (accepted)

Balbuena, L.D. (2018) The UK Research Excellence Framework and the Matthew effect: Insights from machine learning. *PLoS ONE* 13(11): e0207919. doi: [10.1371/journal.pone.0207919](https://doi.org/10.1371/journal.pone.0207919)

Balbuena, L.D. (2018) The UK Research Excellence Framework and the Matthew effect: Insights from machine learning. *PLoS ONE* 13(11): e0207919. doi: [10.1371/journal.pone.0207919](https://doi.org/10.1371/journal.pone.0207919)

Boctor, K., Harder, D., Letwiniuk, L., **Marcoux, G.**, Langhorst, K., Inch, R., Rapointe, C., & Balbuena, L. (2018). Can mental health related hospital visits be relied upon for suicide prevention? *International Journal of Population Data Science*, 3(4). doi: [10.23889/ijpds.v3i4.879](https://doi.org/10.23889/ijpds.v3i4.879)

Bowen, R., Rahman, H., Dong, L. Y., Khalaj, S., **Baetz, M.**, Peters, E., & **Balbuena, L.** (2019). Suicidality in people with Obsessive-Compulsive symptoms or personality traits. *Frontiers in Psychiatry*, 9(747). doi: [10.3389/fpsy.2018.00747](https://doi.org/10.3389/fpsy.2018.00747)

Chireh, B., & **D'Arcy, C.** (2018). Pain and self-rated health among middle-aged and older Canadians: An analysis of the Canadian community health survey—healthy aging. *BMC Public Health*, 18(1), 1006. doi: [10.1186/s12889-018-5912-9](https://doi.org/10.1186/s12889-018-5912-9)

Chireh, B., Li, M., & **D'Arcy, C.** (2019). Diabetes increases the risk of depression: A systematic review, meta-analysis and estimates of population attributable fractions based on prospective studies. *Preventive Medicine Reports*, 14, 100822. doi: [10.1016/j.pmedr.2019.100822](https://doi.org/10.1016/j.pmedr.2019.100822)

Gamble, J. J., **Bowen, R.**, & **Balbuena, L.** (2018). In reply: Should we ever stop clinical trials for efficacy? *Canadian Journal of Anesthesia/Journal canadien d'anesthésie*. doi: [10.1007/s12630-018-1208-x](https://doi.org/10.1007/s12630-018-1208-x)

Huntsman, R.J., Tang-Wai, R., Alcorn, J., Lyon, A.W., **Mousseau, D.D.**, Seifert, B., Laprairie, R., Prosser-Loose, E., & Hanuš, L.O. (2018). Cannabis for the treatment of paediatric epilepsy? An update for Canadian paediatricians. *Paediatrics & Child Health*, 23(6), 368-373. doi: [10.1093/pch/pxy036](https://doi.org/10.1093/pch/pxy036)

Li, H., Bowen, A., **Bowen, R.**, **Balbuena, L.**, Feng, C., Bally, J., & Muhajarine, N. (2019). Mood instability during pregnancy and postpartum: a systematic review. *Archives of Women's Mental Health*. doi: [10.1007/s00737-019-00956-6](https://doi.org/10.1007/s00737-019-00956-6)

Li, M., **D'Arcy, C.**, Li, X., Zhang, T., Joobor, R., & Meng, X. (2019). What do DNA methylation studies tell us about depression? A systematic review. *Translational Psychiatry*, 9(1), 68. doi: 10.1038/s41398-019-0412-y

Li, M., **D'Arcy, C.**, & Meng, X. (2019). Predictors of functional improvement in children and adolescents at a publicly funded specialist outpatient treatment clinic in a Canadian Prairie City. *Psychiatry Research*. doi: 10.1016/j.psychres.2019.01.093

Lodhi, R.J., Wang, Y., Macintyre, G., Crocker, C., Loverock, A., Henriques, B.C., et al. (2019). Trend level gene-gender interaction effect for the BDNF rs6265 variant on age of onset of psychosis. *Psychiatric Research*, 280, 112500. doi: 10.1016/j.psychres.2019.112500

Lodhi, R. J., Wang, Y., Rossolatos, D., MacIntyre, G., Bowker, A., Crocker, C., Ren, H., Dimitrijevic, A., Bugbee, D.A., Loverock, A., Majeau, B., Sivapalan, S., Newton, V.M., Tibbo, P., Purdon, S.E., Aitchison, K. J. (2018). Investigation of the COMT Val158Met variant association with age of onset of psychosis, adjusting for cannabis use. *Brain and behavior*, 8(9), e01120-e01120. doi: 10.1002/brb3.1120

Lucy, M. J., Gamble, J. J., Peeling, A., Lam, J. T. H., & **Balbuena, L.** (2018). Artificial ventilation during transport: A randomized crossover study of manual resuscitators with comparison to mechanical ventilators in a simulation model. *Pediatric Anesthesia*, 28(9), 788-794. doi: 10.1111/pan.13389

Malla, A., Iyer, S., Shah, J., Joobor, R., Boksa, P., Lal, S.,... **Tait, C.**, et al. (2019). Canadian response to need for transformation of youth mental health services: ACCESS Open Minds (Esprits ouverts). *Early Intervention in Psychiatry*. 13(3):697-706.

Mela, M., Coons-Harding, K.D., & Anderson, T. (2019). Recent advances in fetal alcohol spectrum disorder for mental health professionals. *Current Opinion in Psychiatry*. Publish Ahead of Print. doi: 10.1097/YCO.0000000000000514

Nyarko, J.N.K., Quartey, M.O., Pennington, P.R., Baker, G.B., & **Mousseau, D.D.** (2019). Can animal models inform on the contribution of depression-related monoaminergic deficits to Alzheimer disease? *Canadian Journal of Psychiatry*. Doi: 10.1177/0706743718772514

Nyarko, J.N.K., Quartey, M.O., Heistad, R.M., Pennington, P.R., Poon, L.J., Knudsen, K.J., Allonby, O., El Zawily, A.M., Freywald, A., Rauw, G., Baker, G.B., & **Mousseau, D.D.** (2018). Glycosylation states of pre- and post-synaptic markers of 5-HT neurons differ with sex and 5-HTTLPR genotype in cortical autopsy samples. *Frontiers in Neuroscience*, 12:545 (1-17).

Parameswaran, S., Vizeacoumar, F. S., Kalyanasundaram Bhanumathy, K., Qin, F., Islam, M. F., Toosi, B. M., Cunningham, C. E., **Mousseau, D. D.**, Uppalapati, M. C., Stirling, P. C., Wu, Y., Bonham, K., Freywald, A., Li, H., & Vizeacoumar, F. J. Molecular characterization of a MLL1 fusion and its role in chromosomal instability. *Molecular Oncology*, 0(ja). doi: 10.1002/1878-0261.12423

Parameswaran, S., Vizeacoumar, F. S., Kalyanasundaram Bhanumathy, K., Qin, F., Islam, M. F., Toosi, B. M., Cunningham, C. E., **Mousseau, D. D.**, et al. (2018). Molecular characterization of a MLL1 fusion and its role in chromosomal instability. *Molecular Oncology*, 0(ja). doi:10.1002/1878-0261.12423

Peters, E. M., **Bowen, R.**, & **Balbuena, L.** (2018). Melancholic symptoms in Bipolar II depression and responsiveness to Lamotrigine in an exploratory pilot study. *Journal of Clinical Psychopharmacology*, 38(5), 509-512. doi: 10.1097/jcp.0000000000000947

Peters, E. M., **Bowen, R.**, & **Balbuena, L.** (2019). Mood instability and trait anxiety as distinct components of eysenckian neuroticism with differential relations to impulsivity and risk taking. *Journal of Personality Assessment*, 1-11. doi: 10.1080/00223891.2019.1569528

Peters, E. M., **Bowen, R.**, & **Balbuena, L.** Mood instability contributes to impulsivity, non-suicidal self-injury, and binge eating/purging in people with anxiety disorders. *Psychology and Psychotherapy: Theory, Research and Practice*, 0(0). doi: 10.1111/papt.12192

Peters, E. M., John, A., **Baetz, M.**, & **Balbuena, L.** (2018). Examining the role of borderline personality traits in the relationship between major depression and nonsuicidal self-injury. *Comprehensive Psychiatry*, 86, 96-101. doi: 10.1016/j.comppsy.2018.07.008

Quartey, M. O., Nyarko, J. N. K., Pennington, P. R., Heistad, R. M., Chaharyn, B. M., Wei, Z., Bainbridge, D., Baker, G.B, & **Mousseau, D. D.** (2019). Age- and sex-dependent profiles of APP fragments and key secretases align with changes in despair-like behavior and cognition in young APPSwe/Ind mice. *Biochemical and Biophysical Research Communications*. doi: 10.1016/j.bbrc.2019.02.083

Quartey, M.O., Nyarko, J.N.K., Pennington, P.R., Heistad, R.M., Klassen, P.C., Baker, G.B., & **Mousseau, D.D.** (2018). Alzheimer disease and selected risk factors disrupt a coregulation of monoamine oxidase-A/B in the hippocampus, but not in the cortex. *Frontiers in Neuroscience*, 12:419 (1-17). Doi: 10.3389/fnins.2018.00419

Rao, W.W., Zhang, J.W., Zong, Q.Q., An, F.R., Ungvari, G. S., **Balbuena, L.**, Yang, F.Y, & Xiang, Y.T. (2019). Prevalence of depressive symptoms in overweight and obese children and adolescents in mainland China: a meta-analysis of comparative studies and epidemiological surveys. *Journal of Affective Disorders*. doi: 10.1016/j.jad.2019.02.045

Reithmeier, D., Tang-Wai, R., Seifert, B., Lyon, A.W., Alcorn, J., Acton, B., Corley, S., Prosser-Loose, E., **Mousseau, D.D.**, et al. (2018). The protocol for the Cannabidiol in children with refractory epileptic encephalopathy (CARE-E) study: a phase 1 dosage escalation study. *BMC Pediatrics*, 18:221 (1-9). Doi: 10.1186/s12887-018-1191-y.

Sekar, S., **Zhang, Y.**, Miranzadeh, M.H., Parvizi, A., & Taghibiglou, C. (2019). Low field magnetic stimulation restores cognitive and motor functions in the mouse model of repeated traumatic brain injury: Role of cellular prion protein. *Journal of Neurotrauma*. doi: 10.1089/neu.2018.5918.

Su,Y., **D’Arcy, C.**, Yuan, S., & Meng, X. (2019). How does childhood maltreatment influence ensuing cognitive function among people with the exposure of childhood maltreatment? A systematic review of prospective cohort studies. *Journal of Affective Disorders*, 252(1), 278-293. doi: 10.1016/j.jad.2019.04.026

Tait, C., Mussell, W., & Henry, R. (2019). ‘Micro-Reconciliation’ as a pathway for transformative change in Canada: Applying a reconciliation strategy to the everyday relationships Indigenous peoples have with

the human service sector. *International Journal of Circumpolar Health*. (In press).

Temple, V.K, Cook, J.L., Unsworth, K., Rajani, H., & **Mela, M.** (2019). Mental health and affect regulation impairment in Fetal Alcohol Spectrum Disorder (FASD): Results from the Canadian National FASD Database. *Alcohol and Alcoholism*. doi: <https://doi.org/10.1093/alcalc/agz049>

Thompson, G., Wrath, A., Trinder, K., & **Adams, G. C.** (2018). The roles of attachment and resilience in perceived stress in medical students. *Canadian Medical Education Journal*, 2018, 9(4), e69-77, Nov. 2018. ISSN 1923-1202. Available at: <<https://journalhosting.ucalgary.ca/index.php/cmej/article/view/43204>>. Date accessed: 29 Nov. 2018.

Toosi, B.M., El Zawily, A., Truitt, L., Shannon, M., Allonby, O., Babu, M., DeCoteau, J., **Mousseau, D.**, et al. (2018). EPHB6 augments both development and drug sensitivity of triple-negative breast cancer tumours. *Oncogene*, 28(37):4073-4093. Doi: 10.1038/s41388-018-0228-x

Trivedi, S., Roberts, C., **Karreman, E.**, & Lyster, K. (2018). Characterizing the long-term care and community-dwelling elderly patients’ use of the emergency department. *Cureus*, 10(11): e3642. doi: 10.7759/cureus.3642

Zhang, Y., Bi, X., Adebisi, O., Wang, J., Mooshekhian, A., Cohen, J., Wei, Z., Wang, F., & Li, X.-M. (2019). Venlafaxine Improves the Cognitive Impairment and Depression-Like Behaviors in a Cuprizone Mouse Model by Alleviating Demyelination and Neuroinflammation in the Brain. *Frontiers in Pharmacology*, 10(332). doi: 10.3389/fphar.2019.00332

Zhong, Y., Xia, L., Zhao, T-T., Zhang, Y-L., Zhang, Y-L., Li, W-Z., Hu, W-Q., Yao, X-H., Ungvari, G.S., **Balbuena, L.**, Liu, H-Z., & Xiang, Y-T. (2019). The prevalence of suicide attempts and independent demographic and clinical correlates among chronic schizophrenia patients in agricultural areas of China. *Psychiatric Quarterly*. doi: 10.1007/s11126-019-09644-1

BOOKS, CHAPTERS & REPORTS

Mela M. What has a forensic Psychiatrist got to do with PAE? Developmental disability committee article in. Newsletter of the American Academy of Psychiatry and the Law. 2019 April 1. <http://www.aapl.org/docs/newsletter/April-2019.pdf>.

Tait, C. Saskatchewan Métis Data and Research Principles; 2019.

Tait, C., Henry, R., & Loewen Walker, R. Child Welfare: A Social determinant of health for Canadian First Nations and Métis children. In: Henry, R., Lavallee, A., Van Styvendale, N., Innes, R., editors. Global Indigenous Health; 2018. p.151-173.

Tait, C., & Josdal, M. Cultural Safety, Cultural Humility, and Trauma Informed Care: A Scoping Review; 2018.

PRESENTATIONS

SCIENTIFIC CONFERENCES

Adams, G.C. Comorbidity between Major Depressive Disorder (MDD) and Social Anxiety Disorder (SAD) is associated with heightened attachment insecurity. **Oral presentation** at: 68th Annual Canadian Psychiatric Association Conference; 2018 September; Toronto, ON.

Adebiyi, O.A., Truong, D., Moosheiken, A., Zelan W., Lavoie, C., Bowen, R., Wang, Fei., Li, X.-M., & **Zhang, Y.** Low-Field Magnetic Stimulation (LFMS) decreases cuprizone-induced cognitive impairment and brain pathology in mice. **Poster** presented at: The 31st ECNP Congress of Applied and Translational Neuroscience; 2018 October 6-9, Barcelona, Spain.

Adebiyi, O.A., Truong, D., Moosheiken, A., Zelan W., Lavoie, C., Bowen, R., Wang, Fei., Li, X.-M., & **Zhang, Y.** Gamma low-field magnetic stimulation (LFMS) accelerates remyelination and improves cognitive and depressive symptoms in a cuprizone. **Oral presentation** at: The 18th WPA World Congress of Psychiatry; 2018 September 27-30. Mexico City, Mexico.

Alphonsus, K., & **D'Arcy, C.** Factors associated with medication use among individuals with multiple sclerosis. **Poster** presented at: Life and Health Sciences Research Expo, University of Saskatchewan; 2019; Saskatoon, SK.

Anderson, T., Harding, K., Pei, J., & **Mela, M.** A systematic review of mental health and addictions

interventions for individuals with FASD/PAE. **Oral presentation** at: 8th International Conference on Fetal Alcohol Spectrum Disorder; 2019 March; Vancouver, BC.

Aitchison, K.J., **Lodhi, R.J.**, Wang, Y., Henriques, B.C., Hu, X., Lee, D., et al. CYP2D6 revisited in GENDEP, a Multicenter Clinical Trial of Nortriptyline and Escitalopram. **Poster** abstract: Biological Psychiatry, 85 (10), supplement, S248-S249. 2019 May.

Chan, E., Aitchison, K.J., Aryal, G., Baskys, A., Green, B., **Lodhi, R.J.**, Roper, L., Wallace, K., & Yang, E. RESIDENT: The SIBAT (Suicide Ideation and Behavior Assessment Tool) – A Novel Instrument for the Detection and Monitoring of Suicidality. **Presented at:** Alberta Psychiatric Association - 2019 Scientific Conference and Annual General Meeting; 2019 March; Banff, AB.

Chan, E., Wallace, K., Yang, E., Roper, L., Aryal, G., **Lodhi, R.J.**, et al. Validation of mobile device use for the evaluation of suicidality. **Poster** abstract: European Psychiatry, 56, S566-S567. 2019 April.

Chireh, B., & **D'Arcy, C.** A comparison of the prevalence of, and modifiable risk factors for, cognitive impairment among Canadian seniors over two decades, 1991–2009. **Poster** presented at: Canadian Society for Epidemiology and Biostatistics: CSEB 2019 Conference, Epidemiology and Biostatistics at the Nexus of Complex Health Challenges; 2019 May; Ottawa, ON.

Chowdhury, M.A., Quartey, M.O., Wang, S., Lisogorsky, M., Grauer, J., Akohwari, A., Brown, D.S., Pluvina, B., Hicks, J.W., Palmer, D.R.J., Davis, R.L., **Mousseau, D.D.**, et al. Towards radiotracers for imaging GCase, an emerging target for Parkinson's disease. **Oral presentation** at: Canadian Chemistry Conference and Exhibition; 2019 June; Montreal, Quebec.

Chowdhury, M.A., Quartey, M.O., Wang, S., Lisogorsky, M., Grauer, J., Akohwari, A., Brown, D.S., Pluvina, B., Palmer, D.R.J., Davis, R.L., **Mousseau, D.D.**, et al. Towards radiotracers for imaging GCase, an emerging target for Parkinson's disease. **Oral presentation** at: GlycoNet Annual Meeting and Symposium; 2019 May; Banff, AB.

D'Arcy, C., Su, Y., & Meng, X. Smoking and psychological distress: an examination of trends over the last four decades using nationally representative Canadian health survey data, 1978 to 2014. **Poster** presented at: Canadian Academy of Psychiatric Epidemiology Annual Scientific symposium; 2018 September; Toronto, ON.

D'Arcy, C., Su, Y., & Meng, X. Smoking and depression: an examination of trends over the last three decades using nationally representative Canadian health survey data, 1994 to 2014. **Paper** presented at: 18th World Psychiatric Association Congress of Psychiatry; 2018 September; Mexico City.

Dabor, O., & **Tait, C.** Examining the history and future of Indigenous Mentorship in Canada. Organized by the Saskatchewan Indigenous Mentorship Network (SKIMN). **Poster** presented at: School of Public Health Poster Presentation; 2018 September 28; Saskatoon, SK.

Dabor, O., & **Tait, C.** Examining the history and future of Indigenous Mentorship in Canada. Organized by the Saskatchewan Indigenous Mentorship Network (SKIMN). **Poster** presented at: School of Public Health Poster Presentation; 2018 September 28; Saskatoon, SK.

Davidson, M. Dementia. **Invited presentation** to the Alzheimer's Society of Saskatchewan Board. 2018 October 26; Regina, SK.

Davidson, M. Dementia. **Invited presentation** at College of Nursing, Home Care Nurse Workshop. Saskatoon; 2019 April 03; Saskatoon, SK.

Davidson, M. Parkinson's Disease in the Elderly. **Invited presentation** to nursing staff at Jubilee Residence's Nursing Education Day; 2019 May 14; Saskatoon, SK.

Davidson, M. The 3 D's-Dementia, Delirium, and Depression. **Invited presentation** to Community Mental Health Nurses. 2018 September 19; Saskatoon, SK.

Davidson M. Understanding Dementia. **Telehealth presentation** to families and caregivers on behalf of the Alzheimer's Society of Saskatchewan. 2019 January 29; Saskatoon, SK.

Edwards, K., & **Davidson, M.** Electroconvulsive Therapy Training in Canadian Residency Programs. **Poster** presented at: Saskatchewan Psychiatric Association Scientific Conference; 2019 May; Saskatoon, SK.

Frangou, S., Deck, M., Edwards, K., Frost, J., Garrett, N., Hedlin, P., & **Davidson, M.** Sending a Shock Through Siloed Medical Education: Assessing Collaboration and Perceptions Between Anesthesia and Psychiatry Residents in Simulation-Based Electroconvulsive Therapy Training. **Poster** presented at: Saskatchewan Psychiatric Association Scientific Conference; 2019 May; Saskatoon, SK.

Garrett, N., Frost, J., Frangou, S., Edwards, K., Deck, M., Hedlin, P., & **Davidson, M.** High Fidelity simulation Based Training vs. Didactic Teaching on Clinical Skills, Knowledge and Confidence in Electroconvulsive Therapy Training. **Poster** presented at: Saskatchewan Psychiatric Association Scientific Conference; 2019 May; Saskatoon, SK.

Harder, D., Letwiniuk, L., Bector, K., **Marcoux, G.**, Langhorst, K., Necesito, I., Inch, R., Lapointe, C., & **Balbuena, L.** (2018). Can mental health-related hospital visits be relied upon for late-stage suicide prevention? **Poster presented at:** International Population Data Linkage Network Conference; 2018 September; Banff, Alberta. doi:10.13140/RG.2.2.24105.03687

Hazan, C., Gur-Yaish, G., Gunn, H., **Adams, G.C.**, & McWilliams, L.A. Sleep, Attachment, and partner relationships. **Oral presentation** at: International Convention of Psychological Science; 2019 March; Paris, France.

Hua, Q., Wei, Z., Gui, L., Zhang, Z., Mueller, R., & **Zhang, Y.** Low Field Magnetic Stimulation (LFMS) and Venlafaxine on Proliferation and Differentiation of Oligodendrocyte Progenitor Cells. **Poster** presented at: Dean's Summer and Biomedical Research Day 2018; 2018 November 23; Saskatoon, SK.

Huntsman, R.J., Tang-Wai, R., Alcorn, J., Vuong, S., Acton, B., Corley, S., Laprairie, R.L., Lyon, A.W., Meier, S., **Mousseau, D.D.**, et al. Dosage related efficacy and tolerability of cannabidiol in children with treatment resistant epileptic encephalopathy: Preliminary results of the CARE-E study. **Poster** presented at: The SHRF-Sante Awards Evening; 2018 December; Saskatoon, SK.

Khan, S., & **Tait, C.** Indigenous recruitment & retention strategy for the School of Public Health. Organized by the Saskatchewan Indigenous Mentorship Network (SK-IMN). **Poster** presented at: School of Public Health Poster Presentation; 2018 September 28; Saskatoon, SK.

Knudsen, K.J., Nyarko, J.N.K., Carvalho, C.E., & **Mousseau, D.D.** Use of a popular antidepressant and its metabolite induce toxicity via α -amyloid and its association with the serotonin transporter. **Oral presentation** at: 3rd Annual Neuroscience Conference; 2018 October; Saskatoon, SK.

Lapetina, D.L., Hu, X., Lee, D., Roper, L., Aryal, G., ..., **Lodhi, R.J.**, et al. The DAT1 3' VNTR is associated with a reward deficiency phenotype in a study of sexual addiction. **Poster** abstract: Biological Psychiatry, 83 (9), Supplement, S445-446. 2018 May.

Li, M., **D'Arcy, C.**, & Meng, X. Interactions of child maltreatment and genetic variations in adult psychopathology: A systematic review. **Poster** presented at: Canadian Society for Epidemiology and Biostatistics: CSEB 2019 Conference, Epidemiology and Biostatistics at the Nexus of Complex Health Challenges; 2019 May; Ottawa, ON.

Lim, D., Fyfe, J., Truong, D., Cohen, J., & **Zhang, Y.** Low Field Magnetic Stimulation Promotes Oligodendrocyte Maturation and Remyelination of Cuprizone-induced Mouse Model of Multiple Sclerosis. **Poster** presented at: University of Saskatchewan Students' Union Undergraduate Project Symposium 2019; 2019 January 31; Saskatoon, SK.

McWilliams, L.A., & **Adams, G.C.** A network perspective of life satisfaction and depression. **Oral presentation** at: International Convention of Psychological Science; 2019 March; Paris, France.

Malat, J., **Adams, G.C.**, & Book, H. Harnessing the power of groups in multiple settings: Our patients, teams, and organizations. **Oral presentation** at: 68th Annual Canadian Psychiatric Association Conference; 2018 September; Toronto, ON.

Meng, X., Su, Y., & **D'Arcy, C.** How does childhood maltreatment influence on neurocognitive functioning. **Paper** presented at: 18th World Psychiatric Association Congress of Psychiatry; 2018 September; Mexico City.

Meng, X., Liu, A., **D'Arcy, C.**, & Caron, J. Income mobility in mental health and mental disorders: a longitudinal population-based survey. **Paper** presented at: 18th World Psychiatric Association Congress of Psychiatry; 2018 September; Mexico City.

Moosheiken, A., Li, X.-M., & **Zhang, Y.** The protective effects of Low Field Magnetic Stimulation (LFMS) against cognitive deficits and depression-like symptoms in a cuprizone mouse model of demyelination. **Poster** presented at: The 14th World Congress of Biological Psychiatry; 2019 June 2 – 6; Vancouver, BC.

Moosheiken, A., Wei, Z., Li, X.-M., & **Zhang, Y.** Low Field Magnetic Stimulation (LFMS) as a promising treatment for MS: preclinical studies. **Poster** presented at: Health Science Research Day; 2019 May 3; Saskatoon, SK.

Moosheiken, A., Li, X.-M., & **Zhang, Y.** Low-Field Magnetic Stimulation (LFMS) decreases cuprizone-induced cognitive impairment and brain pathology in mice. **Poster** presented at: The 4th Neuroscience Cluster Symposium of the University of Saskatchewan; 2018 October 3; Saskatoon, SK.

Mousseau, D. CB1 receptor expression in Alzheimer disease (autopsied samples). **Invited presentation** at: The Cannabinoid Research Symposium 2018 August; Saskatoon, SK.

Nomani, S., Anderson, T., & **Mela, M.** Description of the relationship between impaired neurodevelopmental brain domains and comorbid mental disorders in individuals diagnosed with FASD in Canada. **Oral presentation** at: 8th International Conference on Fetal Alcohol Spectrum Disorder; 2019 March; Vancouver, BC.

Nyarko, J.N.K., Knudsen, K.J., Hesitad, R.M., Carvalho, C.E., & **Mousseau, D.D.** The Serotonin transporter and betaamyloid accumulation within the cell: different effects of selective serotonin reuptake inhibitors and tricyclic antidepressants. **Poster** presented at: 42nd Annual Meeting of the Canadian College of Neuropsychopharmacology; 2019 June; Montreal, Quebec.

Nyarko, J.N.K., Quartey, M.O., Hesitad, R.M., Pennington, P.R., & **Mousseau, D.D.** Cannabinoid receptor 1(CB1R) expression in Alzheimer disease (autopsied samples). **Poster** presented at: 11th Annual Summit of the Knowledge Network in Rural and Remote Dementia Care; 2018 October, Saskatoon, SK.

Pei, J., Luther, G., & **Mela, M.** Rates of FASD among offenders declared dangerous in Saskatchewan (Canada) and the policy implications. **Oral presentation** at: 8th International Conference on Fetal Alcohol Spectrum Disorder; 2019 March; Vancouver, BC.

Pylypow, J., Khalaj, S., Robson-McKay, A., **Balbuena, L.**, & **Quinn, D.** Measuring emotional dysregulation in children and adolescents. **Poster** presented at: Saskatchewan Psychiatric Association; 2019 May; Saskatoon, SK.

Pylypow, J., **Quinn, D.**, & **Balbuena, L.** Response accuracy and attention variability in youth with ADHD. **Poster** presented at: 7th World ADHD Congress; 2019 Apr; Lisbon, Portugal.

Quartey, M.O., Nyarko, J.N.K., Knudsen, K.J., Pennington, P.R., Bolanos, M.A.C., Buttigieg, J., Barnes, J.R., Parsons, M.P., Carvalho, C.E., & **Mousseau, D.D.** A(1-38) is a negative regulator of A(1-42)-mediated neurotoxicity. **Oral presentation** at: 42nd Annual Meeting of the Canadian College of Neuropsychopharmacology; 2019 June; Montreal, Quebec.

Quartey, M.O., Nyarko, J.N.K., Heistad, R.M., Bolanos, M., Barnes, J., Maley, J., Buttigieg, J., Parsons, M.P., Carvalho, C.E., & **Mousseau, D.D.** Sub-Equimolar concentrations of A(1-38) protect against the Alzheimer-related, pathological A(1-42). **Poster** presented at: 11th Annual Summit of the Knowledge Network in Rural and Remote Dementia Care; 2018 October; Saskatoon, SK.

Quinn, D. **Invited presentation** at: World Federation of ADHD; 2019 April; Lisbon, Portugal.

Quinn, D. **Invited presentation** at: Psychiatry Round; 2018 November; Prince Albert, SK.

Simko, A., Cohen, J., Wei, Z., Hua, Q., & **Zhang, Y.** Comparing male and female behavior in a rat and mouse model of PTSD. **Poster** presented at: Dean's Summer and Biomedical Research Day 2018; 2018 November 23; Saskatoon, SK.

Tait, C. Cultural Safety: It's not about culture, it's about racism. **Invited presentation:** Saskatchewan Indigenous Mentorship Network: Indigenous Health Lecture Series; 2019 May 08. Saskatoon, SK.

Tait, C. Mental Health, artificial intelligence, and Indigenous Peoples'. **Invited presentation** at: ATB Financial Board of Directors Retreat; 2018 September 06. Fort McMurray, AB.

Tait, C. Indigenous women's mental health and wellbeing panel. **Question and answer session** at the Saskatchewan Aboriginal Womens Circle Corporation Symposium (Keeping in Balance); 2018 August 24. Saskatoon, SK.

Woo, J., Wrath, A.J., & **Adams, G.C.** The relationship between attachment and self-injurious behaviours in child and adolescent populations. **Poster** presented at: Saskatchewan Psychiatric Association Conference; 2019 May; Saskatoon, SK.

Zhang, Y. The biological mechanism behind LFMS. **Invited presentation** at: 11th International Congress on Psychopharmacology & 7th International Symposium on Child and Adolescent Psychopharmacology; 2019 April 18-22; Antalya, Turkey.

Zhang, Y. LFMS as a novel treatment for psychiatric disorders, clinical insight. **Invited presentation** at: 11th International Congress on Psychopharmacology & 7th International Symposium on Child and Adolescent Psychopharmacology; 2019 April 18-22; Antalya, Turkey.

Zhang, Y. The impact of cannabis on PTSD in military Veterans. **Invited presentation** at: The standing testimony before the Veteran Affairs Committee, The House of Commons, Ottawa, Canada; 2018 November.

SUPERVISION

RESIDENTS

Ahmed, Fatima. Psychosis and adverse childhood experiences. Department of Psychiatry, College of Medicine, University of Saskatchewan. 2019 February – present. *Supervised by Dr. Adams, G.C.*

Edwards, K., Frangou, S., Frost, J., & Garrett, N. Drs. Teaching ECT through simulation. Department of Psychiatry, University of Saskatchewan. 2017 – present. *Supervised by Dr. Davidson, M.*

Huynh, Dan. MD, Psychiatry resident. Clinical study, A Comparison of Various Neuroimaging Modalities Associated with Depression in Multiple Sclerosis: a Literature Review. University of Saskatchewan. 2018 July – 2019 April. *Supervised by Dr. Zhang, Y.*

Jacobs, Patrick. Therapeutic applications of Psilocybin in mental health. Department of Psychiatry, College of Medicine, University of Saskatchewan. *Supervised by Dr. Lodhi, L.*

Luba, Mark. MD, Psychiatry resident. Clinical study, Stimulant as a treatment option for social anxiety disorder, a clinical trial. University of Saskatchewan. 2018 July - present. *Supervised by Dr. Zhang, Y.*

Peters, Evyn. Master of Science, (PGY3 Psychiatry). Melancholic depression and response to lamotrigine for the treatment of acute bipolar depression: a pooled analysis of five randomized controlled trials. College of Medicine, University of Saskatchewan. 2019 January – present. *Supervised by Dr. Balbuena, L.*

Phang, Jonathan. MD, College of Medicine. Clinical studies, Efficacy of cannabis in treating post-traumatic stress disorder (PTSD): A 6-week double-blinded study, University of Saskatchewan. 2019 February – 2019 July. *Supervised by Dr. Zhang, Y.*

Vanderlot, Brittany. Low dose lithium and suicide prevention. Department of Psychiatry, College of Medicine, University of Saskatchewan. *Supervised by Dr. Lodhi, L.*

Woo, Jennifer. Attachment and suicide related behaviours in children and adolescents, College of Medicine, Department of Psychiatry, University of Saskatchewan, Regina Campus. 2018 February – present. *Supervised by Dr. Adams, G.C.*

POST-DOCTORAL FELLOWS, GRADUATE STUDENTS & VISITING RESEARCHERS

Alphoneus, Khrisha. MS as a chronic disease. PhD program. Epidemiology, School of Public Health, University of Saskatchewan. 2015 September – 2019 June. *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.*

Charlton, John. Addiction treatment models in First Nations run residential treatment centres. PhD program. Interdisciplinary studies, Interdisciplinary Studies, University of Saskatchewan. 2017 September – 2018. *Supervised by Dr. Tait, 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 December – 2019 May. *Supervised by Dr. D'Arcy, C.*

Cohen, Jacob. M.sc program. Cannabidiols a potential treatment for PTSD, a preclinical study. Pharmacology, University of Saskatchewan. 2019 January –present. Co-*Supervised by Dr. Zhang, Y.*

Dong, Mei. Genome-wide association studies for Alzheimer disease. College of Mathematics and Statistics, University of Saskatchewan. 2017 December – 2019 May. Co-supervised by Dr. Balbuena, L.

Knudsen, Kaeli. Role of antidepressants in amyloid phenotypes in the *C. elegans* worm model, Cell signalling laboratory. MSc program. 2016 May – 2018 December 10. *Supervised by Dr. Mousseau, D.*

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 September – 2018 July. *Supervised by Dr. D'Arcy, C.*

Mooshekhian, Ali. M.sc program. Effects of low field magnetic stimulation on cognitive impairment and brain pathologies in the cuprizone mouse model of demyelination. Neuroscience, University of Saskatchewan. 2017 May – 2019 September. *Supervised by Dr. Zhang, Y.*

Nyarko, Jennifer. Dr. Effect of presenilin in aging, Cell Signalling Laboratory. 2014 September – present. *Supervised by Dr. Mousseau, D.*

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 January – 2019 June. *Supervised by Dr. D'Arcy, C.*

Palacios, Carla. Markers of progeroid phenotypes in mouse models of AD, Cell Signalling Laboratory. 2018 October 01 – present. *Co-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 September 05 – present. *Supervised by Dr. Mousseau, D.*

Quartey, Maa. Dr. Role of MAO in APP processing, Cell signalling laboratory. 2015 January -present. *Supervised by Dr. Mousseau, D.*

Seidlikoski, Yurach Wanda. Secondary trauma: Mental health therapists in northern remote First Nations communities in Saskatchewan. PhD program. Indigenous health, Health Sciences, Health Sciences. 2016 September – 2018 September. *Supervised by Dr. Tait, C.*

Shamloo, Arash. Dr. Assessing the benefits, side effects and lived experiences of patients with treatment-resistant schizophrenia and bipolar disorder on Clozapine: a mixed method study. University of Saskatchewan. 2019 August - present. *Supervised by Drs. Balbuena, L and Lodhi, R.*

Sharker, Sharmin. Master of Science. Zero-Inflated count models with application to modeling psychiatric inpatient hospitalization rate. College of Medicine, University of Saskatchewan. 2017 June – 2019 July. *Co-supervised by Dr. Balbuena, L.*

Shurshilova, Elena. FRCPC, Mental disorder diagnosis among mentally disordered offenders with FASD, Department of Psychiatry. 2013 July – present. *Supervised by Dr. Mela, M.*

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.*

Wang, Shusheng. Monitoring protein flipping using pH-sensitive probes, Cell Signalling Laboratory/Chemistry. 2018 January 01 – present. *Co-Supervised by Dr. Mousseau, D.*

Wang, Zitong. M.sc program. The effects of low-field magnetic stimulation on remyelination and oligodendrocyte development. Neuroscience, University of Saskatchewan 2018 September –present. *Supervised by Dr. Zhang, Y.*

Yang, Guang. PhD program in the area of child and adolescent mental health, Epidemiology, School of Public Health, University of Saskatchewan. 2018 September – Present. *Supervised by Dr. D'Arcy, C.*

SUMMER, UNDERGRADUATE & VISITING STUDENTS

Akindipe, Bukola. Evaluation of Pre pregnancy factors in FASD, University of Saskatchewan. 2015 August – present. *Supervised by Dr. Mela, M.*

Asare-Boamah, Daniel. Treatment of weight gain and metabolic syndrome in psychotic patients on clozapine using psychostimulants. College of Medicine, University of Saskatchewan. *Supervised by Dr. Lodhi, L.*

Coupal, Dylan. MD, College of Medicine, The effects of low field magnetic stimulation on white matter deficit related cognitive impairments. University of Saskatchewan. 2018 May – 2018 August. *Supervised by Dr. Zhang, Y.*

Faye, Jay. Bachelor program. Therapeutic effects and mechanism of rTMS in the treatment of Late-Life Depression. University of Saskatchewan. 2018 May – 2018 August. *Supervised by Dr. Zhang, Y.*

Feng, Tongchen. Calbindin-positive subpopulation of hippocampal neurons exhibit excessive nuclear envelop disruptions, Honour's project (ACB 401.6), Cell Signalling Laboratory. 2018 September – 2019 April. *Co-Supervised by Dr. Mousseau, D.*

Gomes, Lais Vieira Barros. Localization of depression-related makers in AD cortical and hippocampal brain sections, Honour's project (PHPY 432.6), Cell Signalling Laboratory. 2018 September 05 – 2019 April 30. *Supervised by Dr. Mousseau, D.*

Harder, Jane. Attachment and its relationship to sleep quality and daytime sleepiness. Department of Psychology, College of Medicine, University of Saskatchewan. 2017 August – present. *Supervised by Dr. Adams, G.C.*

Hua, QingYun. MD, College of Medicine. Effects of venlafaxine in facilitating neural cell proliferation, maturation, and development. University of Saskatchewan. 2018 May – 2018 August. *Supervised by Dr. Zhang, Y.*

Jenke, Krista. Honours student. A qualitative research project on factors in reduction of chronic self-harm. Department of Psychology, University of Saskatchewan. *Supervised by Dr. Lodhi, L.*

Josdal, Matthew. Adult attachment and changes in childhood trauma recollection over time. College of Medicine, University of Saskatchewan. 2019 June – present. *Supervised by Dr. Adams, G.C.*

Kim, David. Bachelor program, Pharmacology, Neuroscience. Effects of THC, CBD and their combinations on oligodendrocyte proliferation, maturation, and development. University of Saskatchewan. 2018 May – 2018 August. *Supervised by Dr. Zhang, Y.*

Lukan, Justin. Praticum, Sask Polytech Praticum Student, Cell Signalling Laboratory. 2019 May 01 – 2019 May 31. *Supervised by Dr. Mousseau, D.*

O'Byrne, George-Paul. The gut microbiome in a mouse model of autism, Honour's project (PHPY 432.6), Cell Signalling Laboratory. 2018 September 04 – 2019 April 30. *Supervised by Dr. Mousseau, D.*

Patel, Prapti. The effect of monoamine oxidases on cytoskeletal protein expression and stability (Biomedical Summer Research Project), Cell Signalling Laboratory. 2019 May – 2019 August. *Supervised by Dr. Mousseau, D.*

Rourke, Wallace. Determining Apparent Permeability of Tetrahydrocannabivarin in Caco-2 and MDCK Polarized Epithelia, Cell Signalling Laboratory. 2019 May – 2019 August. *Co-Supervised by Dr. Mousseau, D.*

Salama, Abdul. Quantification, Extraction and Permeability Assessment of Cannabichromene Across Caco-2 and MDCK Polarized Epithelium, Cell Signalling Laboratory. 2019 May – 2019 August. *Co-Supervised by Dr. Mousseau, D.*

Simko, Andriy. MD. Low field magnetic stimulation as a new treatment for post-traumatic stress disorder (PTSD): a preclinical study. University of Saskatchewan. 2018 May – 2018 August. *Supervised by Dr. Zhang, Y.*

Spink, Brandon. Bachelor program, Anatomy, Physiology and Pharmacology, Biomedical. Determining the effects of low-field magnetic stimulation (LFMS) on neuronal and oligodendrocyte progenitor cell survival and development. University of Saskatchewan. 2019 May – 2019 August. *Supervised by Dr. Zhang, Y.*

ADVISORY COMMITTEES

ADAMS, G.C.

ADVISORY COMMITTEE MEMBER:

Ashley Coveney, MA program. A psychometric evaluation of the three levels of attachment measure (3LAM): A new measure of adult attachment, Department of Psychology, University of Saskatchewan. 2017 – present.

Alex Cheng, PhD program. Group-based trajectory modeling. Biostatistics, University of Saskatchewan. 2017 – present.

Constance T. Heidt, PhD program. Comparing the communal coping model of pain catastrophizing and attachment theory as frameworks for accounting for pain-related support preferences. Department of Psychology, University of Saskatchewan. 2014 – present.

BALBUENA, L.

COMMITTEE CHAIR:

Jennifer King, MSc program. Pain assessment and treatment for bleeding disorder patients: The need for social work specific education. Health Sciences. University of Saskatchewan. 2018 – present.

Hua Li, PhD program. Mood instability and depression in the perinatal period. College of Medicine, University of Saskatchewan. 2016 April – 2018 July.

EXTERNAL EXAMINER:

David Gbenga Adegoke, MSc program. Factors associated with depression in people living with HIV/AIDS in Saskatoon, Saskatchewan. Department of Community Health and Epidemiology, College of Medicine, University of Saskatchewan.

D'ARCY, C.

ADVISORY COMMITTEE CHAIR:

Michelle Monroy Valle de Trejo, PhD program. Stunting, dietary behavior, and bone health among Maya mothers and their children. Epidemiology (Nutritional Epidemiology), School of Public Health, University of Saskatchewan. 2018 January– Present.

Tyler Pittman, PhD program. Nursing homes - patterns of use. Epidemiology, School of Public Health. University of Saskatchewan. 2017 September- Present.

Mustafa Andkhole, PhD program. The epidemiology of prostate cancer in Saskatchewan. Epidemiology, School of Public Health, University of Saskatchewan. 2015 January – Present.

Oluwakemi Awe, PhD, Maternal Health, Epidemiology, School of Public Health University of Saskatchewan. 2015 September – Present.

Emmanuel Dankwah, PhD program. Epidemiology and economic burden of tuberculosis in Ghana: Implications for policy. Epidemiology, School of Public Health. University of Saskatchewan. 2015 September– Present.

Samuel Essen, PhD program. Immigration and TB in Canada. Epidemiology, School of Public Health, University of Saskatchewan. September 2015 – Present.

Dana Ramsay, PhD program. Antimicrobial resistance in food sources - a public health issue. Epidemiology, School of Public Health, University of Saskatchewan. 2014 September– Present.

MANSFIELD, M.

ADVISORY COMMITTEE MEMBER:

Christine Goodwin, LL.M., Sentencing FASD offending, College of Law. 2011 – present.

Lee Saunders, PhD program. The Relevance of culture as resilience against offending in indigenous communities, Qualitative. University of Saskatchewan. 2011 – present.

LODHI, R.

ADVISORY COMMITTEE MEMBER:

Anthony Pacholko, PhD program. Lithium orotate as an improved form of lithium therapy to expand utility in psychiatric disorders. Department of Pharmacology, College of Medicine, University of Saskatchewan. 2019 – present.

Evyn Peters, MSc program. Melancholic depression and response to lamotrigine for the treatment of acute bipolar depression: a pooled analysis of five randomized controlled trials. Department of Psychiatry, College of Medicine, University of Saskatchewan. 2019 January – present.

YingYing Su, PhD program. Childhood maltreatment and the development of psychiatric disorders. PhD program. Psychiatric epidemiology, School of Public Health. University of Saskatchewan. 2017-present.

MOUSESSAU, D.

EXTERNAL COGNATE:

Maria Alejandra Castilla Bolanos. MSc program. Effect of amyloid beta on hippocampal and dorsal root ganglion neuronal cells: electrophysiology and morphology, University of Regina. 2018 August – present.

Anthony Pacholko, PhD program. Long term effects of high-sucrose consumption and low-grade LPS administration on behaviour and late-onset Alzheimer's disease pathology in wild-type mice, Department of Pharmacology. 2017 November – present.

Elisabet Jakova, PhD program. Role of adenosine in stroke models, Surgery, University of Saskatchewan. 2016 September –present.

Zeinab Momeni, PhD program. The role of glucose in hippocampal cell function, Physiology. 2014 September present.

Akanksha Baharani, PhD program. Identification of cellular pathways that are dysregulated in Huntington's disease. Biochemistry. 2015 March– 2019 January. /

Merlin Thangaraj, PhD program. Functional regulation of Sirt2 during oligodendrocyte development and its requirement during myelination and in an EAE mouse model of multiple sclerosis, Pharmacy, University of Saskatchewan. 2012 – 2019 January.

Zhubing Li, PhD program. Interactions between hepatitis C virus and proprotein convertase Subtilisin/Kexin Type 9, VIDO-Intervac. University of Saskatchewan. 2013 May - 2018 August.

COMPREHENSIVE AND COGNATE EXTERNAL:

Xiaolei Yang, PhD program. Antifibrotic mechanisms of tyrosine kinase inhibitors in hepatic fibrosis. Faculty of Pharmacy and Nutrition, USask. 2017 May - present.

TAIT, C.

CHAIR:

Merlin Premalatha Thangaraj. PhD program. Division of Pharmacy, University of Saskatchewan. 2019 January 04.

ADVISORY COMMITTEE MEMBER:

Alessandro Tarsia. PhD program. History Department, University of Saskatchewan. 2019 March – present.

Indiana Best. MPH. Alignment of Metis cultural interventions in harm reduction services and treatment options for members of the Metis community who face problematic substance use in Saskatoon, SK. School of Public Health, USask. 2018 – present.

Johanna Bergerman. M.A. USask. 2017 – present.

EXTERNAL EXAMINER:

Nathaniel Pollock. PhD program. The social context and epidemiology of suicide in Labrador, Memorial University of Newfoundland. 2019 June 06.

ZHANG, Y.

EXTERNAL REVIEWER:

Pacholko, Anthony. M.Sc. program. Effects of a high-sucrose diet and systemic inflammation on Alzheimer's disease-related processes in estrous female wild-type mice. College of Medicine, USask. 2019 June.

ADVISORY COMMITTEE MEMBER:

Peters, Evyn. MSc program. Melancholic depression and response to lamotrigine for the treatment of acute bipolar depression: a pooled analysis of five randomized controlled trials, Health Science, College of Medicine, University of Saskatchewan. 2018 January 18 - present.

Kim, Jay. MSc program. Melancholic depression and response to lamotrigine for the treatment of acute bipolar depression: a pooled analysis of five randomized controlled trials. College of Medicine, University of Saskatchewan. 2017 September – 2018 December.

REVIEW ACTIVITIES

JOURNALS, FUNDING AGENCIES, CONFERENCES & UNIVERSITIES

**CoM = College of Medicine, Sask. = Saskatchewan*

ADAMS, G.C.

Committee Member: Faculty of Graduate Studies and Research, College of Graduate Studies and Research, USask.

Board member: Advisory Board, the Centre for Forensic Behavioural Science and Justice Studies.

Manuscript Review: Psychological Medicine; Journal of Applied Developmental Psychology; Journal of Affective Disorders.

Abstract review: 2019 Conference, Anxiety and Depression Association of America.

Grant Review: 2017-2018 Socio-Health, Systems, and Clinical Fellowship Review Committee, Sask. Health Research Foundation (SHRF).

D'ARCY, C.

Manuscript reviewer: Journal of Affective Disorders; Canadian Medical Association Journal (CMAJ); Social Psychiatry and Psychiatric Epidemiology; Evaluation and Program Planning; Preventive Medicine; Addictive Behaviors; Journal of Applied Gerontology; American Journal of Psychiatry; BMJ Open; Drug Safety; Psychiatry Research; BMC Psychiatry; PloS One; Canadian Journal of Public Health (CJPH); Journal of Alzheimer's Disease.

Chair/Member: Chair: Advisory Committee PhD Program in Epidemiology, School of Public Health, USask.

Member: Executive Advisory Committee, School of Public Health (USask); Management Committee, Sask. Research Data Centre (SKY-RDC) (Member); Academic Council, Cnd. Research Data Centres Network (CRDCN);

External reviewer: Research Grants Council of HongKong; External reviewer for promotion to Full Professor, Promotions Committee, UOttawa, School of Epidemiology, Public Health and Preventive Medicine.

LODHI, R.J.

Examiner: National Assessment Collaboration (Medical Council of Canada): OSCE Examiner, 14 and 15th September 2019, Saskatoon.

Manuscript review: Schizophrenia Research; Canadian Journal of Psychiatry.

MELA, M.

Committee Chair/Member: Member: Provincial FASD coordinating committee, Sask. Prevention Institute; Sask. FASD Network; Doctors at risk support group of the Sask. Medical Association; Diversity and Visible minority; Executive Committee, Center for forensic behavioural science and justice studies; Steering committee on the development of the Center for Forensic behavioural and Justice studies, USask.

MOUSSEAU, D.

Committee Chair/Member: Chair: Academic Appeals Committee; Academic Misconduct Hearing Panel; Scientific Merit Review Committee for Animal-Based Research. **Member:** Neuroscience Cluster Executive; Nominations Committee of Faculty Council; Faculty Council; Search Committee for the Director of Admissions, CoM; Search Committee for the Vice President, Research, USask; Planning and Priorities Committee of Council; The Cannabinoid Research Initiative of Sask. (CRIS); Negotiations Team (USask Faculty Association).

External Committee Reviewer: Canada Research Chairs (Tier 1) Program, McGill U; Simonetta Sipione (promotion to full professor), Pharmacology, UAlberta; Judge at the Annual Sask. Regional Science Fair.

Secretary: Cnd. College of Neuropsychopharmacology.

Internal Committee Chair/Reviewer: Chair: Scientific Merit Review Committee for Animal Based Research (USask); **Reviewer:** CIHR project scheme; NSERC-DG.

Manuscript review: Journal of Alzheimer Disease; Translational Neurodegeneration; Neuropsychiatric Disease and Treatment; Neuroscience; Chemo-Biological Interactions; European Journal of Neurology; Molecular Neurobiology; Science Advances.

WOLFGANG, W.

Committee Member: Intramural Grants Selection Committee, Department of Psychiatry, CoM (USask); Salary Review Committee, Department of Psychiatry, CoM, USask; Year 1 Committee, CoM, USask; CIHR Master Subcommittee of the Graduate Awards Committee, College of Graduate Studies and Research.

Editorial Board: Springer Protocols.

Series Editor: Springer Neuromethods Book Series.

QUINN, D.

Committee Chair/Member: **Chair:** Expert Panel, Prairie Region ADHD. Committee **Member:** Biomedical Imaging Beam line Team (BMIT) (USask); Quality Assurance Committee, USask; Department of Psychiatry Executive Committee, USask; 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; Canadian Psychiatric Association; Canadian Academy of Child Psychiatry; American Academy of Child Psychiatry; Association of Professors of Child & Adolescent Psychiatry; Advisory Board, Canadian Scholarship Foundation.

Executive Member: Saskatchewan Psychiatric Association; Canadian ADHD Resource Alliance (CADDRA); Editorial Board: Canadian Journal of Child Psychiatry.

TAIT, C.

Committee Chair/Member: **Chair:** Housing Committee, Elizabeth Fry Society of Saskatchewan. **Member:** Women's and Gender Studies Advisory Committee (USask); Committee on Anti-Racism and Anti-Oppression, Office of the Vice Provost Indigenous Engagement; Indigenous Health Committee, College of Medicine; Canadian Depression and Research Intervention Network; **Participant/Presenter:** Indigenous Health Research Centre - NEIHR Centre. Hosted by Canadian Institute of Health Research. Presentation of the NEIHR grant proposal submitted to CIHR. Ottawa, ON. Governance Committee, Mental Health Research Canada; Cannabis and Mental Health Executive Advisory Committee, Mental Health Commission of Canada; Cannabis and Mental Health Literature Review Committee, Mental Health Commission of Canada; CanFASD Alumni Committee, Canada FASD Research Network.

Peer Review: International Journal of Indigenous Health; CIHR. Reader: Public Health Agency of Canada's Mental Health Promotion Innovation.

Expert Panel: Forced Sterilization, Hosted by Native Women's Association of Canada. Ottawa, ON.

Vice President/Director/Board of Directors: First Peoples' Wellness Circle; Canadian Depression Research and Intervention Network; Elizabeth Fry Society of Sask.; Mental Health Research Canada.

ZHANG, Y.

Board of Directors and Secretary treasurer: The Foundation of the Canadian Psychiatric Association (CPA); Canadian Psychiatric Association (CPA).

Executive Committee member: Neuroscience Cluster, College of Medicine (USask); Canadian Psychiatric Association (CPA).

Committee member: Psychiatry Academic Day, Department of Psychiatry, CoM, USask; The Canadian Resident Matching Service (CaRMS) Committee; Resident training Committee (Neuropsychopharmacology Panel), Department of Psychiatry, CoM, USask; Psychiatry Resident Neuroscience sessions, Department of Psychiatry, Faculty of Medicine, UManitoba; Research Metrics Task Force Committee, CoM, USask; Qualitative improvement committee, Student Health Service, USask.

Academic Advisor: Health Science Program (M.Sc. & PhD), CoM (USask); Department of Anatomy, physiology and Pharmacology (M.Sc. & PhD), CoM (USask).

Examiner: Medical student formative OSCE, CoM (USask); Medical student psychiatry oral exam, CoM (USask); Psychiatry, Third year Psych Clinical interview and review, CoM (USask); Psychiatry resident OSCE, Department of Psychiatry, USask; Psychiatry resident Mock Oral, Department of Psychiatry, USask; Psychiatry resident STACER, Department of Psychiatry, USask.

Reviewer Editor: Journal of Affective Disorders; Biological Psychiatry; Molecular Psychiatry; Schizophrenia Bulletin; Frontiers in Neuroscience; Frontiers in Neurology; Frontiers in Pharmacology.

Poster competition reviewer: Sask. Psychiatry Association

Editorial Board: Guest Associate Editor: Psychopathology; Frontiers in Psychology; Frontiers in Psychiatry; Editor: Clinical and Experimental Pharmacology and Physiology (CEPP).

RESIDENT RESEARCH

*Resident = underlined, Faculty = bold.

REFEREED JOURNALS

Boctor, K., Harder, D., Letwiniuk, L., **Marcoux, G.**, Langhorst, K., Inch, R., Rapointe, C., & Balbuena, L. (2018). Can mental health related hospital visits be relied upon for suicide prevention? *International Journal of Population Data Science*, 3(4). doi: 10.23889/ijpds.v3i4.879

Bowen, R., Rahman, H., Dong, L. Y., Khalaj, S., **Baetz, M.**, Peters, E., & **Balbuena, L.** (2019). Suicidality in people with Obsessive-Compulsive symptoms or personality traits. *Frontiers in Psychiatry*, 9(747). doi: 10.3389/fpsyt.2018.00747

Peters, E.M., **Bowen, R.**, & **Balbuena, L.** (2018). Melancholic symptoms in Bipolar II depression and responsiveness to Lamotrigine in an exploratory pilot study. *Journal of Clinical Psychopharmacology*, 38(5), 509-512. doi: 10.1097/jcp.0000000000000947

Peters, E.M., **Bowen, R.**, & **Balbuena, L.** (2019). Mood instability and trait anxiety as distinct components of eysenckian neuroticism with differential relations to impulsivity and risk taking. *Journal of Personality Assessment*, 1-11. doi: 10.1080/00223891.2019.1569528

Peters, E.M., **Bowen, R.**, & **Balbuena, L.** Mood instability contributes to impulsivity, non-suicidal self-injury, and binge eating/purging in people with anxiety disorders. *Psychology and Psychotherapy: Theory, Research and Practice*, 0(0). doi: 10.1111/papt.12192

Peters, E.M., John, A., **Baetz, M.**, & **Balbuena, L.** (2018). Examining the role of borderline personality traits in the relationship between major depression and nonsuicidal self-injury. *Comprehensive Psychiatry*, 86, 96-101. doi: 10.1016/j.comppsy.2018.07.008

PRESENTATIONS

Edwards, K., & **Davidson, M.** Electroconvulsive Therapy Training in Canadian Residency Programs. **Poster** presented at: Saskatchewan Psychiatric Association Scientific Conference; 2019 May; Saskatoon, SK.

Frangou, S., Deck, M., Edwards, K., Frost, J., Garrett, N., Hedlin, P., & **Davidson, M.** Sending a Shock Through Siloed Medical Education: Assessing Collaboration and Perceptions Between Anesthesia and Psychiatry Residents in Simulation-Based Electroconvulsive Therapy Training. **Poster** presented at: Saskatchewan Psychiatric Association Scientific Conference; 2019 May; Saskatoon, SK.

AWARD

VICE-DEAN RESEARCH'S PRIZE FOR
RESIDENT RESEARCH IN PSYCHIATRY
from College of Medicine, USask

Dr. Evyn Peters

Garrett, N., Frost, J., Frangou, S., Edwards, K., Deck, M., Hedlin, P., & Davidson, M. High Fidelity simulation Based Training vs. Didactic Teaching on Clinical Skills, Knowledge and Confidence in Electroconvulsive Therapy Training. **Poster** presented at: Saskatchewan Psychiatric Association Scientific Conference; 2019 May; Saskatoon, SK.

Harder, D., Letwiniuk, L., Boctor, K., Marcoux, G., Langhorst, K., Necesito, I., Inch, R., Lapointe, C., & Balbuena, L. (2018). Can mental health-related hospital visits be relied upon for late-stage suicide prevention? **Poster presented at:** International Population Data Linkage Network Conference; 2018 September; Banff, Alberta. doi:10.13140/RG.2.2.24105.03687

Patel N., Odenigbo C., McLeod M., PharmD, Siddiqui M. Brief detox stimulant intoxication treatment protocol: A pilot project. Poster presented at Saskatchewan Psychiatry Association; 2019 May; Saskatoon, SK

Peters E., Donga L.Y., Thomas T., Khalaj S., Balbuena L., Osgood N., and Bowen R. Suicidal ideation instability in patients hospitalized for depression: an exploratory study using smartphone ecological momentary assessment. European Congress of Psychiatry Association; 2019 April; Warsaw, Poland

Pylypow, J., Khalaj, S., Robson-McKay, A., Balbuena, L., & Quinn, D. Measuring emotional dysregulation in children and adolescents. **Poster** presented at: Saskatchewan Psychiatric Association; 2019 May; Saskatoon, SK.

Pylypow, J., Quinn, D., & Balbuena, L. Response accuracy and attention variability in youth with ADHD. **Poster** presented at: 7th World ADHD Congress; 2019 Apr; Lisbon, Portugal.

***RECEIVED 2ND PRIZE**

McKay A., Pylypow, J., Khalaj S., Balbuena L., Quinn Q. Measuring Emotional Dysregulation in Children and Adolescents.. Poster presented at Saskatchewan Psychiatry Association; 2019 May; Saskatoon, SK.

***RECEIVED 1ST PRIZE**

Riou K., D'Eon M., Bennett V., Teucher U., Damon Sakai D. Mental Illness Stigma in Medical Education. Poster presented at Canadian Conference on Medical Education; 2019 April; Toronto, ON

Tancred A., Mela M., Anderson T., Mueller M., Le T., Alaverdashvili M., Depiang G., Bennet L. Adverse Childhood Events Related to the Likelihood of and Time to Recidivism. Poster presented at Saskatchewan Psychiatry Association; 2019 May; Saskatoon, SK

Woo, J., Wrath, A.J., & Adams, G.C. The relationship between attachment and self-injurious behaviours in child and adolescent populations. **Poster** presented at: Saskatchewan Psychiatric Association Conference; 2019 May; Saskatoon, SK.

AWARDS

RESIDENT RESEARCH

from College of Medicine, USask

Drs. Sarah Frangou, Evyn Peters, and Jenna Pylypow

Faculty & Members

BATTLEFORD/N. BATTLEFORD

Adeoye, Adewale
MB-BS

Alabi, Olugbenga
MB-BS, MRCPsych(UK)
Assistant Professor

Duncan, David
MB-BCh
Assistant Professor

Ejezie, Okechukwu
MB-BS
Assistant Professor

Mahmood, Yasin
MB-BS, FRCP(C)
Clinical Associate Professor

Nerutsak, Oleg
MB-BCh, BAO

Nwachukwu, Kingsley
MB-BS
Assistant Professor

Raghunath, Ashwatu
MD, FRCP(C)

LLOYDMINSTER

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

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

Wessels, Phillip
MB-ChB

MOOSE JAW

Adewumi, Adegboyega
MB-BS, FRCP(C)
Assistant Professor

Afolabi, Oyewali
MB-BS, FRCP(C)
Assistant Professor

Aghamelu, Uche
BSC, MB-BS, DCP
Assistant Professor

Ahmed, Yasir
MB-BS
Assistant Professor

Oke, Olumayowa
MB-BS
Assistant Professor

PRINCE ALBERT

Cooper, Lila
MB-ChB, FRCP(C)
Assistant Professor

Cruickshank, Lindsay
MB-ChB, FRCP(C)
Assistant Professor

Holmlund, James
MD, LMCC, FRCP(C)
Assistant Professor

Hussain, Mohammad
MB-BS, FRCP(C)
Assistant Professor

Odogwu, Edward
MB-BS, FRCP(C)
Assistant Professor

Oladapo, Oladele
MB-BS
Assistant Professor

REGINA

Adedun, Uloma
MB-BS, MRCPsych(UK)

Akeju, O. A.
MB-BS, FRCP(C)
Assistant Professor

Chen, Tung-Te (James)
MD, FRCP(C)
Assistant Professor

Chukwujekwu, Christopher
MB-BS, MRCPsych(UK), FRCPC(C)
Assistant Professor

Damodharan, Senthil
MB-BS, FRCP(C)
Clinical Associate Professor

Durrani, Shazia
MB-BS, FRCP(C)
Assistant Professor

Eisa, M.E.A.
MB-BS, MRCPsych(UK)
Assistant Professor

Ezeasor, Nebeolisa
MB-BS, MRCPsych(UK)
Assistant Professor

Falkenberg, Kornelia
MD, FRCP(C)
Clinical Professor

Gbinigie, Victoria
MB-BS, FRCP(C)
Assistant Professor

Haque, M. Samiul
MD, FRCP(C)
Assistant Professor

Harold, S. Brent
MD, FRCP(C)
Assistant Professor

Harrison, Ken
MD, FRCP(C)
Assistant Professor

Hatitchki, Bechedza
MB-B, Ch-BAO, MRC(Psych), FRCP(C)
Assistant Professor

Kumaran, Jananie
MD
Assistant Professor

Harrison, Ken
MD, FRCP(C)
Assistant Professor

Hatitchki, Bechedza
MB-B, Ch-BAO, MRC(Psych), FRCP(C)
Assistant Professor

Kumaran, Jananie
MD
Assistant Professor

REGINA (CONT'D)

Manikkam, Liane
MB-ChB, FRCP(C)
Assistant Professor

Masaoud, Tawfik
MB-BCh, FRCP(C)
Assistant Professor

Natarajan, Dhanapal
MB-BS, FRCP(C)
Clinical Professor

Odenigbo, Chukwuemeka
MB-BS, FRCP(C)
Assistant Professor

Okigbo, Susan
MB-BS, MRCPsych(UK)
Assistant Professor

Olabisi, Oluwale
MB-BS, FRCP(C)
Assistant Professor

Papish, Andriyka
MD, FRCP(C)
Assistant Professor

Peluola, Temitayo
MD, FRCP(C)
Assistant Professor

Reddi, Krishnavellie
MB-ChB, FRCP(C)
Assistant Professor

Soyemi, Oladapo
MB-BS, FRCP(C)
Assistant Professor

Udoh, Godwin
MB-BS, MRCPsych(UK), FRCPC(C)
Assistant Professor

SASKATOON

Adams, Stephen
MD, FRCP(C)
Assistant Professor

Adams, Camelia
MSC, MD, FRCP(C)
Clinical Associate Professor

Adelugba, Olajide
MB-BS, DCP
Clinical Associate Professor

Aftab, Huma
MB-BS, 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)
Professorj & Provincial Head

Baillod, Alanna
MD, FRCP(C)
Assistant Professor

Balbuena, Lloyd
PhD
Assistant Professor

Baziany, Azaad
MD, MB-ChB, FRCP(C)
Clinical Associate Professor

Bennett, Vernon
MD, FRCP(C)
Associate Professor

Bodani, Rachana
MD, FRCP(C)
Assistant Professor

Brennan, Stefan
MD, FRCP(C)
Assistant Professor

Bowen, Rudy (RETIRED)
MD, BSC, CM (McGill), FRCP(C)
Professor

Chicoine, Curtis
BA, MD, FRCP(C)
Associate Professor

Cherland, Esther (RETIRED)
MD, FRCP(C)
Assistant Professor

Clark, Malin
BA, MD, FRCP(C)
Clinical Associate Professor

Conacher, Heather
MD, CCFP, FRCP(C)
Assistant Professor

D'Arcy, Carl
PhD, BA, MA
Professor

Davidson, Marla
MD, FRCP(C)
Associate 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
BSC, MD, FRCP(C)
Assistant Professor

Hinz, Tamara
MD, FRCP(C)
Assistant Professor

Holt, Alana
MD, FRCP(C)
Assistant Professor

Hooper, Monika
MD, FRCP(C)
Assistant Professor

SASKATOON (CONT'D)

Karuthedath, Rajesh

MB-BS, FRCP(C)
Clinical Associate Professor

Kok, Kevin (Dean)

MD, FRCP(C)
Clinical Associate Professor

Kukha-Mohamad, Shirwan

MB-ChB, FRCP(C)
Clinical Professor

Lau, Bienca

MD, FRCP(C)
Clinical Associate Professor

Lawson, Dennis

MD, FRCP(C)
Clinical Associate Professor

Lodhi, Rohit

MB-BS, MRCPsych(UK), FRANZCP
Assistant Professor

Lowry, Helen

MD, FRCP(C)
Assistant Professor

Marcoux, Eugene

MD, FRCP(C)
Clinical Professor

Masood, Altaf

MB-BS, FRCP(C)
Assistant Professor

Mela, Mansfield

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

Mitchell, Allison

MD, FRCP(C)
Assistant Professor

Mousseau, Darrell

PhD
Professor

Okoro, Emmanuel

MB-BS
Assistant Professor

Okunola, Olubusola

MB-BS, FRCP(C)
Assistant Professor

Peluola, Akinlolu

MB-BS, FRCP(C)
Clinical Associate Professor

Porter, David

MD, FRCP(C)
Assistant Professor

Qayyum, Saba

MD, FRCP(C)
Assistant Professor

Quinn, Declan

BA, MB-BCh-BAO, FRCP(C)
Professor

Rahmani, Mohammad F.

MB-BS, FRCP(C)
Assistant Professor

Reisner, Debra Marilyn

BSC, CCFP, MD, FRCP(C)
Assistant Professor

Renuka-Prasad, Mysore

MB-BS, FRCP(C)
Clinical Professor

Roccamatysi, Dawn

MD, FRCP(C)
Assistant Professor

Sarda, Madhav

MD, FRCP(C)
Assistant Professor

Tait, Caroline

PhD
Professor

Thorpe, Lilian U.

MD, FRCP(C)
Clinical Professor

Ukandu-Nduebueze, Chidinma

MB-BS, FRCP(C)
Assistant Professor

Uku, Raymond

MB-BS
Assistant Professor

Wagner, Jason

MD, FRCP(C)
Assistant Professor

Walz, Wolfgang

DIPL-Biol. Dr. RER.NAT(KONSTANZ)
Professor

Wanson, Annabelle

MD, FRCP(C)
Assistant Professor

Wanson, Laurent

MD, Medical Specialist
Psychiatrist (Belgium)
Assistant Professor

Zhang, Yanbo

PhD, MD, MB-BS, FRCP(C)
Assistant Professor

Zimmer, Rachelle

MD, FRCP(C)
Assistant Professor

SWIFT CURRENT

Ezeaka, Reuben

MB-BS, MRCPsych(UK)

Venkata, Prasad

MB-BS, FRCP(C)
Assistant Professor

WEYBURN

Fadahunsi, Olajide

MB-BS, DCP

Ofuafor, Thomas

MB-BS

Oyebode, Dele

MB-BS, FRCP(C)

YORKTON

Adefolarin, Oluremi

MB-BS, FRCP(C)
Assistant Professor

Adenaike, Victor

MB-BS

Erhaze, Sylvester

MB-BS, MRCPsych(UK)

Ogunbiyi, Ajibola

MB-BS, DCP
Assistant Professor

NON-PSYCHIATRY SUPPORT FACULTY - SASKATOON

Bonli, Rupal, PhD
Clinical Assistant

Hart, Regan, PhD
Clinical Assistant

Helmer, D'Arcy, PhD
Clinical Assistant

Hillis, Sarah, PhD
Clinical Assistant

Pancyr, Glenn, PhD
Clinical Assistant

Phillips, Dawn, PhD
Clinical Assistant

Vrbancic, Mirna, PhD
Clinical Assistant

Wilson, Laurene, PhD
Clinical Assistant

NON-PSYCHIATRY SUPPORT FACULTY - REGINA

Frederick, Joanne, MA
Clinical Assistant

Hadjistavropoulos, Heather, PhD
Clinical Assistant

Lewis, J. Dufton, PhD
Clinical Assistant

McLeod, Melanie, PharmD
Clinical Lecturer

Owens, Katherine, PhD
Clinical Lecturer

Peebles, Jason, PhD
Clinical Assistant

ADJUNCT

Block, Gerald, PhD
Calder Centre

Gu, Deqiang, PhD
Regional Psychiatric Centre

Li, Xin-Min, PhD
MD, FRCP(C)
University of Alberta

ASSOCIATE MEMBERS (CoM)

Bowen, Angela
BSN, PhD, Nursing
Chlan, Jennifer
PhD, Anatomy & Cell Biology

Dyck, Erika
PhD, History, Arts & Science

Howland, John
PhD, Physiology

Luther, Glenn
LLB, LLM, Law

Remillard, Fred
PhD, Pharmacy & Nutrition

PROFESSOR EMERITI

Blackshaw, Stella 2014
MD, FRCP(C)

Bowen, Rudy 2019
MD, FRCP(C)

Dyck, Lillian 2007, PhD

Juorio, Augusto 2002, PhD

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

Come visit anytime.



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

Collegiality & Collaboration • Integrity • Competency • Respect • Accountability

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

psychiatry.communications@usask.ca

Copyright © 2019 Department of Psychiatry
University of Saskatchewan
& Saskatchewan Health Authority

AVAILABLE ONLINE IN PDF FORMAT AT

medicine.usask.ca/psychiatry