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Professor Andrew James Greenshaw

Correspondence language: English

Sex: Male

Date of Birth: 11/28

Canadian Residency Status: Canadian Citizen

Country of Citizenship: United Kingdom

Contact Information

The primary information is denoted by (*)

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Professor Andrew Greenshaw

Language Skills

Language	Read	Write	Speak	Understand
English	Yes	Yes	Yes	Yes
French	Yes	No	No	Yes

User Profile

Disciplines Trained In: Neurosciences, Psychology

Research Disciplines: Neurosciences, Psychiatry

Areas of Research: Mental Health and Society, Neuropharmacology

Fields of Application: Biomedical Aspects of Human Health

Research Specialization Keywords: Addiction, Behavioural Neuroscience, Brain fMRI, Brain Stimulation, Depression, Drugs and Psychiatry, Motivation, Neurochemistry, Reward/Reinforcement, Schizophrenia

Degrees

1978/9 - 1981/12	<p>Doctorate, Doctor of Philosophy, Psychology (Behavioural Pharmacology), University of Wales</p> <p>Degree Status: Completed</p> <p>Supervisors: Professor D.E.Blackman</p>
1975/9 - 1978/7	<p>Bachelor's Honours, Bachelor of Science (Honours), Psychology, The University of Liverpool</p> <p>Degree Status: Completed</p> <p>Supervisors: E. Thornton K. Stenning</p>

Credentials

2016/12	Brain Story Certification, Alberta Family Wellness Institute
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Recognitions

2017/1	<p>Elected Fellow (FRSA)</p> <p>Royal Society of Arts</p> <p>Distinction</p>
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2000/5 - 2002/5	President CCNP Canadian College of Neuropsychopharmacology (CCNP) Distinction
1999/5	CCNP Janssen Innovations Award in Neuropsychopharmacology (with GB Baker & RT Coutts) CCNP Prize / Award
1988/7	CINP Rafaelson Scholar CINP Prize / Award
1987/5	CCNP Young Investigator Award CCNP Prize / Award
1986/2 - 1993/7	AHFMR Scholar Award University of Alberta Prize / Award

Employment

2016/7	Scientific Director: APEC Digital Hub for Mental Health Digital Hub for Mental Health, University of Alberta, Asia Pacific Economic Cooperation (APEC)
2013/9	Associate Chair (Research) Psychiatry, Faculty of Medicine, University of Alberta
1996/7	Professor Psychiatry, Faculty of Medicine & Dentistry, University of Alberta
2014/12 - 2020/2	Chair, Depression Hubs National Advisory Panel, Canadian Depression and Research Intervention Network Research, National, CDRIN (Canadian Depression research & Intervention Network)
2014/10 - 2015/9	Interim Co-Director (Mental Health Research), Neuroscience and Mental Health Institute Mental Health, Faculty of Medicine & Dentistry, University of Alberta
1989/8 - 2011/7	Associate Director (Neurochemical Research Unit) Psychiatry, Faculty of Medicine & Dentistry, University of Alberta
2004/1 - 2010/12	Associate Vice President (Research) Vice President (Research) Office, Executive Administration, University of Alberta
1999/5 - 2003/6	Associate Dean Executive Administration, Faculty of Graduate Studies & Research, University of Alberta
1989/7 - 1996/7	Associate Professor Psychiatry, Faculty of Medicine & Dentistry, University of Alberta
1986/2 - 1989/6	Assistant Professor Psychiatry, Faculty of Medicine & Dentistry, University of Alberta
1983/9 - 1985/12	Sessional Lecturer - Comparative & Physiol Psychology Psychology, Faculty of Arts and Science, University of Saskatchewan
1984/11 - 1984/12	Visiting Lecturer Biochemistry, Faculty of Medicine, Maharaja Sayajirao University of Baroda

1980/7 - 1981/8	Visiting Researcher Laboratory of Neurophysiology of Memory, Activitas Nervosa Superior, Czech Academy of Sciences
1979/11 - 1979/12	Visiting Researcher Institute of Comparative & Physiological Psychology, Faculty of Science, Heinrich-Heine-Universität Dusseldorf

Affiliations

The primary affiliation is denoted by (*)

2015/9	Associate, Institute of Health Economics
(*) 1986/7	Professor and Associate Chair (Research), Psychiatry, University of Alberta
2016/6 - 2019/5	Chair, Depression Hubs National Advisory Committee, Depression Hubs National Advisory Committee, Canadian Depression Research & Intervention Network

Research Funding History

Awarded [n=16]

2019/9 - 2025/8 Co-investigator	The Saskatchewan First Nations and Métis Health and Wellness Research, Training, and Knowledge Mobilization Network Funding Sources: 2019/9 - 2025/8 Saskatchewan NEIHR Centre Operating Grant Total Funding - 3,500,000 (Canadian dollar) Funding Competitive?: Yes
2019/9 - 2025/8 Co-investigator	The First Nations and Métis Health and Wellness Research, Training, and Knowledge Mobilization Network Funding Sources: 2019/9 - 2025/8 Consortium NEIHR Operating Grant Total Funding - 1,650,000 (Canadian dollar) Funding Competitive?: Yes
2020/3 - 2025/2 Principal Investigator	Closing the psychological treatment gap for Canadians traumatized by the rapidly evolving COVID-19 crisis through a supportive text message (Text4Hope) program Funding Sources: 2020/3 - 2025/2 Mental Health Foundation MHF Targeted funding allocation Total Funding - 1,250,000 (Canadian dollar) Funding Competitive?: Yes
2018/3 - 2023/4 Co-investigator	First Nations views towards biological health research: Before and after participation in a two-eyed seeing curriculum Co-investigator : Debbie Martin; Emma Whelan; Gerald McKinley; Hymie Anisman; James Allen; Lawrence Kirmayer; Maree Tombs; Michael Mackley; Micheal Halpin; Zulfiquar Merali; Principal Investigator : Benoit , Anita C; Bombay Amy; Hopkins Carol; Matheson K; McQuaid Robin

Funding Sources:

2018/3 - 2023/4 Canadian Institutes of Health Research (CIHR)
Project Grant
Total Funding - 765,000 (Canadian dollar)
Funding Competitive?: Yes

2018/1 - 2023/2 Co-investigator Enhanced Measurement-Based Care Effectiveness for Depression (EMBED): A Canada China Implementation Project. [paired with equal funding to J Chen and China team from NSFC] R Lam Canada team includes 17 co-Investigators

Co-investigator : Jun Chen;

Principal Applicant : Raymond lam

Funding Sources:

2018/1 - 2023/2 Canadian Institutes of Health Research (CIHR)
GACD 211 CIHR/NSFC Canada China team grant
Total Funding - 1,025,000 (Canadian dollar)
Funding Competitive?: Yes

2019/1 - 2022/12 Principal Applicant Digital speech analysis: prediction and differential diagnosis of PTSD symptoms and severity

Funding Sources:

2019/1 - 2022/12 IBM Canada Ltd
IBM CAS grant
Total Funding - 200,000 (Canadian dollar)
Funding Competitive?: Yes

2019/1 - 2022/12 Co-investigator Development of an Artificial Intelligence Chatbot supporting coaching and optimal service for individuals with Neurodevelopmental disabilities and their families

Co-investigator : Clelland, Steven; Demmans Epp, Carrie; Gavin, Frank; Greiner, Russell; Lafleur, Marie; Maynard, Douglas; Michalak, Erin; Paulden, Mike; Reynolds, James; Weiss, Jonathan; Zwicker, Jennifer;

Principal Applicant : Bolduc, Francois; Irish, Debbie; Majnemer, Annette; Nicholas, David; Zaiane, Osmar

Funding Sources:

2019/4 - 2022/3 Canadian Institutes of Health Research (CIHR)
Collaborative Health Research Projects (NSERC partnered)
Total Funding - 1,531,288 (Canadian dollar)
Funding Competitive?: Yes

2017/10 - 2022/9 Co-applicant The Alberta Indigenous Mentorship in Health Innovation Network (AIM-HI Network)
Principal Applicant : Cheryl Currie; Cora Voyageur; Karlee Fellner; Lynden Crowshoe; Robert Henry;

Principal Investigator : Cheryl Barnabe;

Principal Knowledge User : Bonnie Healy; Esther Tailfeathers

Funding Sources:

2017/10 - 2017/9 Canadian Institutes of Health Research (CIHR)
Indigenous Mentorship in Health Innovation Network (AIM-HI Network)
Total Funding - 1,000,000 (Canadian dollar)
Funding Competitive?: Yes

2017/6 - 2022/5 Co-applicant	<p>Building Reconciliation Together: Transformative Intergenerational Mentorship</p> <p>Co-applicant : Abonyi, Sylvia; Acoose, Sharon L; Bombay, Amy; Browne, Annette J; Butler, Lorna J; Clark, Natalie;</p> <p>Co-investigator : Elias, Brenda D; Gregory, David M; Henry, Robert; Innes, Robert A; Wilson, Alexandria M;</p> <p>Principal Investigator : Caroline Tait</p> <p>Funding Sources:</p> <p>2017/6 - 2022/5 Canadian Institutes of Health Research (CIHR) Training Grant : Indigenous Mentorship Network Program – Saskatchewan Total Funding - 1,000,000 (Canadian dollar) Funding Competitive?: Yes</p>
2017/9 - 2021/8 Co-investigator	<p>Enhancing peer-support experience for addiction and mental health patients through training, mentoring, recognition, reward systems and technology</p> <p>Funding Sources:</p> <p>2017/9 - 2021/8 Douglas Harding Trust Philanthropic grant Total Funding - 230,000 (Canadian dollar) Funding Competitive?: No</p>
2019/6 - 2021/6 Principal Applicant	<p>Predictive model of Mental Disorders PTSD</p> <p>Co-investigator : Serdar Dursun; Vincent Agyapong;</p> <p>Principal Applicant : Russ Greiner</p> <p>Funding Sources:</p> <p>2019/6 - 2021/6 IBM (CAS) Centre for Advances Studies Project Grant Total Funding - 200,000 (Canadian dollar) Funding Competitive?: Yes</p>
2019/3 - 2021/4 Co-investigator	<p>CIHR Project Grant: Spring 2019 Bipolar Bridges: A Digital Health Innovation Targeting Quality of Life in Bipolar Disorder</p> <p>Co-investigator : Anderl, C.; Barnes S; Chen F; Currie, L.; Depp, C.; Dewa, C.; Greenshaw, A.; Greiner, R.; Haines-Saah, R H; Ho, K.; Hole, R.; Jenkins, E.; Lam, R.; Lapsley, S.; Li, L.; Milev, R.; Morton, E.; Murray, G.; O'Brien, H.; Provencher, M.; Yatham, L.;</p> <p>Principal Applicant : Michalak E</p> <p>Funding Sources:</p> <p>2019/3 - 2021/4 Canadian Institutes of Health Research (CIHR) Project Grant Total Funding - 535,500 (Canadian dollar) Funding Competitive?: Yes</p>
2020/6 - 2020/12 Co-investigator	<p>Harnessing digital mental health to improve equity in mental health care in the context of COVID-19: Needs, best-practices and opportunities in the Asia Pacific region</p> <p>Principal Applicant : Erin Michalak; Jill Murphy; Raymond Lam</p>

Funding Sources:

2020/5 - 2020/11 Canadian Institutes of Health Research (CIHR)
 Knowledge Synthesis: COVID-19 in Mental Health and Substance Use
 Total Funding - 50,000 (Canadian dollar)
 Funding Competitive?: Yes

2020/6 - 2020/12
 Principal Applicant

COVID-19 Physical Distancing and Post-Traumatic Stress Injury: Utilization of Digital Health and Remote Mental Health Services for Military, Veterans, and Public Safety Personnel

Co-applicant : Alexandra Heber; Antonio Miguel Cruz; Bo Cao; Fardous Hosseiny; Kris Wells; Lisa Burbach; Matthew Brown; Nicholas Carleton; Olga Winkler; Phillip Sevigny; Rakesh Jetly; Russell Greiner; Xin-Min Li;

Collaborator : Ashely Pike; Chelsea Jones; Colleen Mooney; Eric Vermetten; Glen Klose; Jeff Sawalha; Lorraine Smith-MacDonald; Patrick Smith;

Principal Applicant : Martin Ferguson-Pell; Suzette Bremault-Phillips; Vincent Agyapong;

Principal Knowledge User : Mark Snaterse; Steven Clelland

Funding Sources:

2020/6 - 2020/12 Canadian Institutes of Health Research (CIHR)
 Knowledge Synthesis: COVID-19 in Mental Health and Substance Use
 Total Funding - 50,000 (Canadian dollar)
 Funding Competitive?: Yes

2019/3 - 2020/4
 Co-investigator

CIHR Project Grant - Priority Announcement: Data science, management and stewardship
 Bipolar Bridges: A Digital Health Innovation Targeting Quality of Life in Bipolar Disorder

Co-investigator : Anderl C; Chen F; Currie L; Depp C; Dewa C; Greiner R; Haines-Sah R; Ho K; Hole R; Jenkins E; Lam R; Lapsely S; Li L; Milev R; Morton E; Murray G; O'Brien H; Provencher M; Yatham L;

Principal Applicant : Barnes SJ; Michalak E

Funding Sources:

2019/3 - 2020/4 Canadian Institutes of Health Research (CIHR)
 Project Grant Priority Announcement
 Total Funding - 100,000 (Canadian dollar)
 Funding Competitive?: Yes

2015/3 - 2020/4
 Co-applicant

Prairie Collaborative Research Initiative in Substance Misuse (CRISM) node proposal
 (Team grant with 1 PI, 3 co-PIs and 34 co-applicants)

Principal Applicant : Alan Aubry; Cam Wild; Colleen Dell; David Hodgins

Funding Sources:

2015/3 - 2020/4 Canadian Institutes of Health Research (CIHR)
 CRISM
 Total Funding - 2,535,000 (Canadian dollar)
 Funding Competitive?: Yes

Completed [n=7]

2017/2 - 2019/1
 Co-investigator

The health effects of the Alberta wildfire and evacuation: Pediatric resiliency

Co-investigator : C McDonald-Harker; J Drolet; J Franc; S Corbett; S Dursun; V Agyapong;

Principal Applicant : P Silverstone;

Principal Knowledge User : T Shand

Funding Sources:

2017/2 - 2019/1 Canadian Institutes of Health Research (CIHR)
Health Effects of Alberta Wildfires
Total Funding - 500,000 (Canadian dollar)
Funding Competitive?: Yes

2015/4 - 2018/7
Principal Applicant Prediction and Understanding of Resilience in Alberta Families: Longitudinal Study of Disaster Responses (PURLS)

Principal Applicant : Dawn Kingston; Sheila McDonald; Suzanne Tough

Funding Sources:

2015/4 - 2018/7 Alberta Innovates- Health Solutions
CRIO Population Resiliency - Team
Total Funding - 1,951,714 (Canadian dollar)
Funding Competitive?: Yes

2015/4 - 2018/5
Principal Applicant Prevention of FASD with technology

Funding Sources:

2015/4 - 2018/3 Alberta Innovates- Health Solutions
PRHIS
Total Funding - 468,000 (Canadian dollar)
Funding Competitive?: Yes

2016/9 - 2017/8
Co-investigator Building Cross-Generational Wellness and Resilience in Multi-Generational Indigenous Households: A Scoping Review

Co-investigator : A Marshall; C Tait; D Scott; J Victor; L Many Guns; M Hogue; N Coupland; R Breen; T Oosterbroek; V Agyapong;

Co-knowledge User : C Hopkins; C Ward; L Varley;

Collaborator : C Dell; C Zhu;

Principal Applicant : CL Currie;

Principal Knowledge User : A Fox

Funding Sources:

2016/9 - 2017/8 Canadian Institutes of Health Research (CIHR)
SPOR PICHI Network Knowledge Synthesis Grant
Total Funding - 25,000 (Canadian dollar)
Funding Competitive?: Yes

2017/1 - 2017/3
Principal Applicant Application Development Workshop for the Team Grant: GACD Mental Health - Canada-China Program

Funding Sources:

2017/2 - 2017/3 Canadian Institutes of Health Research (CIHR)
Travel Awards: Global Alliance for Chronic Diseases (GACD)
Mental Health - Canada-China
Total Funding - 2,160 (Canadian dollar)
Funding Competitive?: Yes

2015/9 - 2016/8
Co-investigator Towards a quantitative study of the neurological impact of therapeutic interventions in children who have experienced trauma

Principal Applicant : Rebecca Marsh

Funding Sources:

2015/9 - 2016/8 Norlien Foundation
 Brain and early childhood development research and KT research initiative
 Total Funding - 30,000 (Canadian dollar)
 Funding Competitive?: Yes

2014/3 - 2016/4
 Principal Applicant

Canadian Depression Research & Intervention Network

Principal Applicant : Scott Patten

Funding Sources:

2014/3 - 2016/3 Government of Canada
 CDRIN network
 Total Funding - 364,000 (Canadian dollar)
 Funding Competitive?: Yes

Student/Postdoctoral Supervision

Master's Thesis [n=3]

Co-Supervisor	Reham Shalaby (In Progress) , University of Alberta Student Degree Start Date: 2018/9 Present Position: Graduate Student
Principal Supervisor	Matthew Reeson (In Progress) , University of Alberta Student Degree Start Date: 2016/5 Student Degree Expected Date: 2018/7 Project Description: Adverse childhood experience as a determinant of child and youth mental health outcomes Present Position: Graduate student
Principal Supervisor	Brenda Maire (Completed) , University of Alberta Student Degree Start Date: 2010/9 Student Degree Received Date: 2017/11 Project Description: Group cohesion in substance abuse treatment Present Position: working for Alberta Justice

Doctorate [n=12]

Principal Supervisor	Ericson Dametto (Completed) , University of Alberta Student Degree Start Date: 2103/9 Student Degree Received Date: 2017/5 Project Description: Neurocysticercosis:neuroimaging-based analysis of changes in brain due to cyst formation. Determination of relationship between cyst stage, characteristics and location in relation to epileptic symptomatology. Present Position: Clinical Neurologist in Brazil
Principal Supervisor	Jeffrey Sawalha (In Progress) , University of Alberta Student Degree Start Date: 2019/1 Student Degree Expected Date: 2023/7 Present Position: Graduate student

Principal Supervisor	<p>Tami-lee Duncan (In Progress) , University of Alberta</p> <p>Student Degree Start Date: 2016/9</p> <p>Student Degree Expected Date: 2020/8</p> <p>Project Description: Dyspareunia: psychological aspects and effective treatment interventions</p> <p>Present Position: Clinical psychologist</p>
Principal Supervisor	<p>Jasmine Brown (In Progress) , University of Alberta</p> <p>Student Degree Start Date: 2016/5</p> <p>Student Degree Expected Date: 2020/7</p> <p>Project Description: Use of technology during pregnancy to prevent FASD</p> <p>Present Position: Graduate student & policy analyst IHE</p>
Co-Supervisor	<p>Brad Necyk (In Progress) , University of Alberta Psychiatry</p> <p>Student Degree Start Date: 2015/3</p> <p>Student Degree Expected Date: 2018/5</p> <p>Project Description: "Exploring Arts-based Methods in Patient Oriented Research: This student is an artist and openly identifies as a person with lived experience of bipolar affective disorder. His initial work comprises a scoping review of art-based approaches to patient engagement in patient-oriented research. Leading from that scoping review, he is exploring the role and contribution of a visual arts-based dialogue event to bring patients and other health research stakeholders together in a research agenda exercise. He is using a participatory approach to build trust and dialogue between patients with mental illness and practitioners, in addition to documenting and analyzing the cultural shift that is expected, he will create a digital archive from his work that will be a resource for current and future patients, health practitioners, and health educators. Deliverables include an exhibit that will bring the public into the discussions that are created through this patient-oriented arts-based approach.</p> <p>Present Position: Professional Artist, patient experience focus</p>
Co-Supervisor	<p>Deena Hamza (Completed) , University of Alberta</p> <p>Student Degree Start Date: 2014/1</p> <p>Student Degree Received Date: 2017/5</p> <p>Project Description: Working on a large cohort project involving high risk youth in a school setting - developing and using interventions to boost self-esteem and follow-up on outcomes in adolescence.</p> <p>Present Position: Staff member PGME office Faculty of Medicine UAlberta</p>
Principal Supervisor	<p>Manoj Malik (In Progress) , University of Alberta</p> <p>Student Degree Start Date: 2013/9</p> <p>Student Degree Expected Date: 2017/12</p> <p>Project Description: Systematic reviews and meta-analysis of human neuroimaging and biomarker studies to determine predictors for severity, time-course and outcome of dementia</p> <p>Present Position: Postdoctoral</p>
Principal Supervisor	<p>James Benoit (In Progress) , University of Alberta</p> <p>Student Degree Start Date: 2012/9</p> <p>Student Degree Expected Date: 2018/1</p> <p>Project Description: Machine learning and prediction of diagnosis and outcomes for psychiatric disorders in clinical trial datasets</p> <p>Present Position: Postdoctoral Fellow at Harvard (Beth Israel)</p>

- Principal Supervisor Michal Juhas (In Progress) , University of Alberta
 Student Degree Start Date: 2012/9
 Student Degree Expected Date: 2017/9
 Project Description: Analysis of structural and functional brain changes during treatment for alcohol use disorder.
 Present Position: Graduate student
- Principal Supervisor Hayes David (Completed) , University of Alberta
 Student Degree Start Date: 2003/9
 Student Degree Received Date: 2009/6
 Project Description: Neural basis of motivation and reward
 Present Position: Visiting Assistant Professor Union College US
- Principal Supervisor Mosher Tera (Completed) , University of Alberta
 Student Degree Start Date: 2002/9
 Student Degree Received Date: 2006/7
 Project Description: 5-HT effects on place conditioning and exploratory activity
 Present Position: Science Patent Consultant
- Principal Supervisor Clements Robert (Completed) , University of Alberta
 Student Degree Start Date: 1999/9
 Student Degree Received Date: 2005/7
 Project Description: Glutamate & ICSS
 Present Position: Physician Vancouver Island Health Authority

Post-doctorate [n=3]

- Principal Supervisor Gao Yan (In Progress) , University of Alberta
 Student Degree Start Date: 2019/10
 Student Degree Expected Date: 2020/8
 Project Description: Machine learning prediction of suicide attempts
 Present Position: Research Psychiatrist, Postdoctoral fellow
- Co-Supervisor Su Hong (Completed) , Chongqing Medical University, China
 Student Degree Start Date: 2018/11
 Present Position: Postdoctoral Fellow CMU China
- Principal Supervisor Yasmeen Krameddine (In Progress) , University of Alberta
 Student Degree Start Date: 2015/1
 Student Degree Expected Date: 2018/5
 Project Description: Developing training interventions for first responders in relation to the mentally ill and marginalized populations - emphasis on police personnel
 Present Position: Consultant

Research Associate [n=1]

- Principal Supervisor Matthew Brown Dr (Completed) , University of Alberta
 Student Degree Start Date: 2009/1
 Student Degree Received Date: 2014/3
 Project Description: Behavioural and neuroimaging analysis of high risk adolescents and patients with alcohol use disorder.
 Present Position: Adjunct Professor & company CEO

Knowledge and Technology Translation

- 2018/1 Scientific Advisory Board member, Community Engagement
Group/Organization/Business Serviced: Little Warriors
Target Stakeholder: General Public
Activity Description: Involved in startup activities for evaluative research program in child mental health, focussing on sexual abuse survivors in the context of Little warriors which has a variety of services, including a ranch-based residential treatment program in Alberta
- 2017/12 Associate Board member, Community Engagement
Group/Organization/Business Serviced: Alberta Alliance on Mental Illness and Mental Health
Target Stakeholder: General Public
Activity Description: Joined the Board of the Alberta Alliance on Mental Illness and Mental Health (AAMIMH) as an associate member. AAMIMH provides a collective advocacy voice to the Alberta Government on matters related to mental health policy and services
- 2013/6 Board member, Community Engagement
Target Stakeholder: Healthcare Personnel
Activity Description: Board member supporting the Our House Residential Addiction Treatment Centre for Men . this is the only residential facility in Alberta that provides harm reduction treatment for opioid addiction.
- 2015/6 - 2020/5 Chair CDRIN Depression Hubs National Advisory Committee, Community Engagement
Group/Organization/Business Serviced: Canadian Depression Research and Intervention Network
Target Stakeholder: Patients
Outcome / Deliverable: Building a network to facilitate and encourage engagement of patients and other people with lived experience of mental illness (depression, PTSD and experience of suicide-related loss or suicide in families to engage in research. Aligned with Alberta SPOR patient engagement platform.
Evidence of Uptake/Impact: CDRIN established as a network. Several successful conferences have been convened. CDRIN has a growing membership of patient advocates and lived experience participants focussing on bringing the voices of their communities into the research domain as active participants in research from inception to implementation, dissemination and translation.
References / Citations / Web Sites: www.CDRIN.org
Activity Description: I have been partnering with others to lead development and strategic engagement of the Canadian Depression and Research Intervention Network (funded initially by a \$5M grant from Health Canada to the Mood Disorders Society of Canada on behalf of the CDRIN initiative). The network comprises 7 regional hubs including a national Indigenous Peoples 'First People First Person' Hub that I supported in its establishment. <https://www.youtube.com/watch?v=Eb8PTt8lqfY> This unique network engages people with lived experience of depression, PTSD and experiences related to loss and suicide. I am involved in liaison with lived experience participants to enable engagement based on equity and opportunity to participate in a move to transform Canadian research culture for their inclusive participation. My role has extended to presentations in media for a globalnews.ca/video/1991165/**mental-health-awareness-week-2** https://youtu.be/FirMEfk_92c and organization of national and regional CDRIN conferences.

- 2016/10 - 2019/9 Scientific Director APEC Digital Hub for Mental Health, Community Engagement
 Group/Organization/Business Serviced: APEC partners
 Target Stakeholder: Healthcare Personnel
 Outcome / Deliverable: Project initiated 2016 - deliverable is Digital Hub for Mental Health to serve Asia Pasific Economic Cooperation, inter-governmental initiative of 21 countries comprising 59% of global GDP
 Evidence of Uptake/Impact: Initial funding in place. Core partner MOU's in place for Hub collaboration. Other funding applications under review. Pre-launch website in place.
 References / Citations / Web Sites: <https://mdsc.ca/apec-digital-hub-leading-the-way/>
 Activity Description: Together with partners at UBC and the Mood Disorders Society of Canada I have been creating a Digital Hub for Mental Health on behalf of the APEC community - comprising 21 countries and approx 59% of global GDP. This initiative was selected for Canadian leadership in a competitive international submission process. We are currently developing the Digital Hub and discussing with community partners at all levels the focal areas for content and activities - these include a priority area of Indigenous Peoples, based on the APEC needs assessment in mental health. Communications about this initiative are in press in Lancet Psychiatry and the British Journal of Psychiatry.
- 2016/3 - 2018/7 Steering Committee Member, Community Engagement
 Group/Organization/Business Serviced: Alberta Valuing Mental Health Community Stakeholder Group
 Target Stakeholder: General Public
 Outcome / Deliverable: Engaged in strategic planning and lobbying to influence AB.gov decisions on mental health service provision.
 Evidence of Uptake/Impact: 50+ stakeholder group formed with connections to NGOs and universities in Alberta. Established relationship with Alberta Alliance on Mental Illness and Mental Health (AAMIMH). reports recieved from the stakeholder group by AB.gov and ongoing dialogue and lobbying in place.
 Activity Description: I am a member of the grass roots Alberta Valuing Mental Health Community Engagement Group formed in Alberta to address the provincial government's Valuing Mental Health Report on provincial needs in that domain. Working with other community leaders I am engaged in organizing and running community meetings of stakeholders and supporting strategic priority setting and planning for this group including submission of the Group sub-committee recommendations to the Alberta Health Deputy Minister and lobbying members of the Alberta Legislature. This Group includes an Indigenous Stakeholders Committee of which I am a member.

International Collaboration Activities

- 2014/1 Co-investigator, China
 Collaborating with Professor Tao Li in Psychiatry at West Szechuan Hospital in Chengdu on studies of schizophrenia in relation to potential biomarkers, including neuropsychological data, neuroimaging data and clinical diagnostic data - using data mining and machine learning technology for prediction and discrimination of classes and parameter intensities. Activities include joint research supervision of visiting doctoral student and joint publications.
- 2011/3 Co-investigator, Germany
 Co-investigator on German-based multinational (Germany, Spain, Finland, Canada)ERANet funded team project on alcohol use. Continuing collaboration with Wolfgang Sommer at the Institute of Addiction Laboratory at the University of Heidelberg, Mannheim.

Presentations

1. (2019). Is Change Coming?. 9th Annual E-Mental Health Conference Caring in a Digital World: Introducing Disruptive Change to Mental Health Care. Beanfield Centre Toronto March 5-6, Toronto, Canada
Main Audience: Knowledge User
Invited?: Yes
2. (2019). Panelist: AI in the community: patient experiences and clinical challenges. Alex Trebek Forum for Dialogue: Symposium on Artificial Intelligence and Mental Health Global contexts for Diagnosis, Treatment and Social Impact Sept 26-27 University of Ottawa, Ottawa, Canada
Main Audience: Knowledge User
Invited?: Yes
3. Lucilla Sioli (EU) Director for AI and Digital Industry - DG CNECT Genevieve Tanguay (Canada) VP Emerging Tech - NRC Canada Michael Zeller (Germany) Snr VP AI Strategy & Innov. Software AG. (2018). APEC Digital Hub for Mental Health - From research to commercialization: discussant on AI and Health Sector. G7 Multistakeholder Conference on Artificial Intelligence: From research to Commercialization, Canada
Main Audience: Decision Maker
Invited?: Yes
4. (2018). Artificial intelligence in psychiatry: implications for prognostics and diagnostics. Turkish Association of Psychopharmacology, Antalya, Turkey
Main Audience: Researcher
Invited?: Yes
5. (2018). What is the future of cannabis in medicine and society?. Turkish Association of Psychopharmacology, Antalya, Turkey
Main Audience: Researcher
Invited?: Yes
6. (2018). Big Data Machine learning and Health. Invited lecture Chongqing Medical University, Chongqing, China
Main Audience: Researcher
Invited?: Yes
7. (2018). The digital revolution in mental health: APEC Digital Hub for Best Practices in Mental Health. Turkish Association for Psychopharmacology, Antalya, Turkey
Main Audience: Researcher
Invited?: Yes
8. (2016). Neurobiological markers of depression. 8th International Congress on Psychopharmacology & 4th International Symposium on Child & Adolescent Psychiatry, Antalya, Turkey
Main Audience: Researcher
Invited?: Yes
9. (2016). Approaches to research - Strategies and funding issues. Special lecture to Shri Guru Ram Rai Institute of Medical Sciences, Dehradun, India
Main Audience: Researcher
Invited?: Yes
10. (2016). Toward Clinical Applications of MRI and Machine Learning. 8th International Congress on Psychopharmacology & 4th International Symposium on Child & Adolescent Psychiatry, Antalya, Turkey
Main Audience: Researcher
Invited?: Yes

11. (2016). Brain development: Impact of drugs and childhood experience. 103rd INDIAN SCIENCE CONGRESS, Mysore, India
Main Audience: Researcher
Invited?: Yes
12. (2016). Biomarkers of addiction. 8th International Congress on Psychopharmacology & 4th International Symposium on Child & Adolescent Psychiatry, Antalya, Turkey
Main Audience: Researcher
Invited?: Yes
13. (2016). Protecting Patient Data and Confidentiality in Psychiatry. 8th International Congress on Psychopharmacology & 4th International Symposium on Child & Adolescent Psychiatry, Antalya, Turkey
Main Audience: Researcher
Invited?: Yes
14. (2015). Abstinence in alcohol use disorder: neuroimaging and effects of naltrexone. Grand Rounds in Adult Psychiatry Grey Nuns Hospital Edmonton, Edmonton, Canada
Main Audience: Researcher
Invited?: Yes

Broadcast Interviews

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| 2016/05/26 | Indigenous Mental Health, Canadian Journalism forum on Violence and Trauma https://youtu.be/FirMEfk_92c , YOUTUBE |
| 2015/11/27 | Launch of Indigenous peoples depression hub for CDRIN, https://www.youtube.com/watch?v=Eb8PTt8lqfY , YOUTUBE |

Publications

Journal Articles

1. Ritchie A, Sautner B, Omege J, Denga E, Nwaka B, Akinjise I, Corbett SE, Moosavi S, Greenshaw A, Chue P, Li XM, Agyapong VIO. (2020). Long-term mental health effects of a devastating wildfire are amplified by sociodemographic and clinical antecedents in college students. Disaster Medicine and Public Health Preparedness. June 15: 1-11.
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3. Chen J, Tan J, Greenshaw AJ, Sawalha J, Liu Y, Zhang X, Zou W, Cheng X, Deng W, Zhang Y, Cui L, Liu C, Sun J, Cheng X, Wu Q, Li S, Mai S, Lan X, Chen Y, Cai Y, Zheng C, Cheng D, Zhang B, Yang C, Li X, Li X, Ye B, Yousefnezhad M, Zhang Y, Zhao L, Soares JC, Zhang X, Li T, Cao B, Cao L. (2020). CACNB2 rs11013860 polymorphism correlates of prefrontal cortex in bipolar patients with first-episode mania. Journal of Affective Disorders. 268: 82-87.
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