

UNM Department of Psychiatry and Behavioral Sciences

Annual Research Activity Report

October 2021



**SCHOOL
OF MEDICINE**

**DEPARTMENT OF PSYCHIATRY
& BEHAVIORAL SCIENCES**

The purpose of this report is to track and disseminate information on current research activities within the Department of Psychiatry and Behavioral Sciences for faculty and trainees. The hope is that, by increasing awareness of research activities, this document will facilitate collaboration among faculty within the Department of Psychiatry and Behavioral Sciences and identify research opportunities for residents, fellows, interns and post-docs.

For questions or updates to the report please contact:

**Annette Crisanti, PhD
Tenured Professor and Vice Chair of Research
Department of Psychiatry and Behavioral Sciences
acrisanti@salud.unm.edu**

**Sam Pasena
Program Specialist
Department of Psychiatry and Behavioral Sciences
Division of Community Behavioral Health
sjpasena@salud.unm.edu**

**Department of Psychiatry and Behavioral Sciences Current Research Projects
Ongoing As of October 2021**

PI: Chris Abbott, MD

Study Title: Data Driven Approaches to Identify Biomarkers from Multimodal Imaging Big Data

Funding Dates: 7/1/2019-6/30/2024

Funding Agency: NIMH

Project Synopsis: Using multimodal neuroimaging that has the potential to span traditional diagnostic categories, the proposed study develops cutting-edge classification and prediction methods to identify biomarkers for major depression disorders, which may guide personalized treatment decisions and predict treatment outcome for individual patients.

Keywords: Neuroimaging, Major Depression

PI: Chris Abbott, MD

Study Title: Electroconvulsive Therapy Amplitude Titration for Improved Clinical Outcomes in Late-Life Depression

Funding Dates: 2/4/2021-1/31/2023

Funding Agency: NIH

Project Synopsis: The initial phase (R61) of this investigation will establish the relationship between amplitude titration and changes in hippocampal volumes with traditional ECT (800ma) amplitude. The second phase (R33) will compare hippocampal neuroplasticity, antidepressant, and cognitive outcomes between amplitude titration with neuroplasticity multiplier and traditional fixed amplitude ECT in older depressed subjects.

Keywords: ECT, Neuroplasticity

PI: Deborah Altschul, PhD

Study Title: New Mexico Multisystemic Therapy Outcomes Tracking Project

Funding Dates: 5/3/2017-6/30/2022

Funding Agency: CYFD, NM Department of Health

Project Synopsis: The NM Outcomes Tracking Project provides demographic and outcome data regarding youth and families who have received MST services from New Mexico's MST provider agencies.

Keywords: Multi-Systemic Therapy, Youth

Co-PIs: Deborah Altschul, PhD and Brandi Fink, PhD

Study Title: Integrating Intergenerational Cultural Knowledge Exchange with Zero Suicide

Funding Dates: 10/1/2017-9/1/2022

Funding Agency: NIMHD

Project Synopsis: Integrating Intergenerational Cultural Knowledge Exchange with Zero Suicide is an innovative study in a Southwestern tribal nation that incorporates Zero Suicide into Indian Health Services (IHS) primary care settings. The goal of this study is to determine the effectiveness of Zero Suicide plus a cultural component (ZS+) (experimental group) compared to Zero Suicide (ZS) alone (control group) on suicidal ideation, behaviors, and resiliency in a randomized control trial of 138 AI youth ages 12-24 at two tribal health clinics. The long-term goal of this study is to determine which is more effective at reducing suicidal ideation and behaviors and increasing resiliency, ZS+ or ZS alone.

Keywords: Native Americans, Suicide Intervention, Health Disparities

PI: Deborah Altschul, PhD

Study Title: Emergency COVID Behavioral Health

Funding Dates: 4/1/2020-5/31/2022

Funding Agency: SAMSHA

Project Synopsis: New Mexico Behavioral Health Services Division Emergency Response to COVID-19 is a statewide initiative to ensure access to evidence-based screening, assessment and behavioral health treatment during the COVID-19 pandemic. Strategies include implementation of uniform screening and assessment practices and dissemination of Evidence Based Practices including Cognitive Behavioral Therapy, Community Reinforcement Approach, Dialectic Behavioral Therapy, and Medication Assisted Treatment. The populations of focus are individuals with SMI, SED, SUD, and those with co-occurring SMI/SED and SUD.

Keywords: Public Health, Behavioral Health, Pandemic

PI: Deborah Altschul, PhD

Study Title: Native Aware

Funding Dates: 10/1/2018-9/1/2023

Funding Agency: SAMSHA

Project Synopsis: The purpose of this program is to build or expand the capacity of State Educational Agencies, in partnership with State Mental Health Agencies (SMHAs) overseeing school-aged youth and local education agencies (LEAS). This program supports the development and implementation of a comprehensive plan of activities, services, and strategies to decrease youth violence and support the healthy development of school-aged youth; and builds upon the successful strategies of the Safe Schools/Healthy Students Initiative that have been effective in creating safe and secure schools and promoting the mental health of students in communities across the country.

Keywords: School Based Health, Health Disparities, Workforce Development

PI: Deborah Altschul, PhD

Study Title: San Felipe Zero Suicide

Funding Dates: 10/1/2018-9/1/2023

Funding Agency: SAMSHA

Project Synopsis: The purpose of the San Felipe Zero Suicide (SFZS) is to implement the Zero Suicide model throughout the health care system in the Pueblo of San Felipe. The target population is San Felipe tribal members 25 years of age or older who are risk for suicide. The aim is to raise awareness of suicide, establish screening, referral, and treatment processes, and improve care and outcomes for individuals who are at risk for suicide.

Keywords: Native American Populations, Suicide Intervention, Health Disparities

PI: Deborah Altschul, PhD

Study Title: Katishtya Home Visiting KEVA Grant II

Funding Dates: 10/1/2016-9/29/2022

Funding Agency: Administration of Children and Families

Project Synopsis: The primary purpose of Project Katishtya Eh-wahs Valued Always (KEVA) Tribal Home Visiting Program is to support the Pueblo of San Felipe in creating a healthy and happy community for children, parents, and families in the community.

Keywords: Native Americans, Home Visiting Program

PI: Juan Bustillo, MD

Study Title: Defining the Brain Network Underlying Psychotic Symptoms in Early Schizophrenia and Bipolar Disorder

Funding Dates: 7/2/2018-8/31/2022

Funding Agency: MRN COBRE III

Project Synopsis: To find the critical brain areas involved in the production of psychotic symptoms.

Keywords: Psychosis, Neuroimaging

PI: Juan Bustillo, MD

Study Title: The Where and When of the Vulnerability to Misinterpret Pseudowords in Persons with Auditory Hallucinations

Funding Dates: 1/29/2020-8/23/2022

Funding Agency: UNM CTSC

Faculty Mentor:

Project Synopsis: The major goal of this project is to identify the brain areas critical to the production of auditory hallucinations.

Keywords: Auditory Hallucinations, Neuroimaging

PI: Caroline Bonham, MD

Study Title: Center for Medicare and Medicaid Services (CMS) Grant

Funding Dates: 9/30/2021-6/30/2022

Funding Agency: Center for Medicare and Medicaid Services (CMS)

Project Synopsis: The purpose of this study is to determine what statewide strategies are needed in New Mexico to increase access to treatment and recovery services to Medicaid recipients with substance use disorders.

Keywords: Substance Use Disorders, Medicaid

PI: Jennifer Crawford, PhD

Study Title: FOCUS Expansion Evaluation Project

Funding Dates: 5/10/2021-09/30/2021

Funding Agency: NMHSD

Project Synopsis: The purpose of this study is to evaluate services provided in the UNM FOCUS program to families affected by substance use disorders in order to enhance services for this population and to support initiative to expand the program to provide services from birth to age five.

Keywords: Program Evaluation

PI: Jennifer Crawford, PhD

Study Title: Social Justice Advocacy and Diversity Training in Behavioral Health

Funding Dates: 7/8/2021-09/30/2021

Funding Agency: APPIC

Project Synopsis: The purpose of this study is to pilot the feasibility and acceptability of providing social justice advocacy self-assessment through an online process to behavioral health trainees to enhance identification of training gaps and achievement of related training goals.

Keywords: Social Justice

PI: Jennifer Crawford, PhD

Study Title: NM FOCUS Medication Assisted Treatment Prescription Drug And Opioid Addiction Expansion Project

Funding Dates: 10/01/2021-09/30/2026

Funding Agency: SAMHSA

Project Synopsis: The purpose of this grant is to expand medication assisted treatment and related psychosocial services in the UNM FOCUS program which serves families affected by substance use disorders. Research and evaluation will focus on program outcomes and longitudinal impact.

Keywords: Program Evaluation, Substance Use Treatment

PI: Annette Crisanti, PhD

Study Title: Duration of Untreated Psychosis and Perceived Barriers to Mental Health Care Among College Students

Funding Dates: 5/21/2019-5/31/2022

Funding Agency: NIMH

Project Synopsis: The purpose of this study is to determine the feasibility of an early detection program that aims to: (i) identify college students at clinical high risk (CHR) of psychosis or with first episode psychosis (FEP), and (ii) efficiently link them to coordinated specialty care (CSC) services for a 2nd stage screen, a clinical assessment, and appropriate treatment.

Keywords: First Episode Psychosis, College Mental Health

Co-PIs: Annette Crisanti, PhD and Rhoshel Lenroot, MD

Study Title: UNM HSC CONNECT Program for Clinical High-Risk Psychosis

Funding Dates: 5/14/2019-9/29/2022

Funding Agency: SAMSHA

Project Synopsis: The purpose of CONNECT is to identify youth and young adults, not more than 25 years old, at clinical high risk for psychosis and provide evidence-based interventions to prevent the onset of psychosis or lessen the severity of psychotic disorder. The major goal of this subproject is to oversee the evaluation of the grant, including collection and reporting of grant-required data and local performance assessment.

Keywords: Clinical High Risk of Psychosis

PI: Annette Crisanti, PhD

Study Title: UNM First Episode Psychosis Project

Funding Dates: 1/15/2020-ongoing

Funding Agency: NM Department of Health

Project Synopsis: The purpose of the UNM First Episode Psychosis Project is to evaluate the outcomes of individuals receiving services in the EARLY Program.

Keywords: First Episode Psychosis

PI: Annette Crisanti, PhD

Study Title: Crisis Intervention Training (CIT) Knowledge Network: Evaluation

Funding Dates: 12/8/2016-ongoing

Funding Agency: Albuquerque Police Department and the NM Department of Health

Project Synopsis: The purpose of this evaluation is to determine the impact of a training program for law enforcement in CIT best practices using the ECHO model.

Keywords: Law Enforcement, Crisis Intervention Training

PI: Annette Crisanti, PhD

Study Title: Opening Doors Through Services and Supports for Homeless Individuals with Serious Mental Illness or Co-Occurring Substance Use Disorders

Funding Dates: 1/14/2020-1/14/2024

Funding Agency: SAMSHA

Project Synopsis: The purpose is to provide evidence based, trauma focused services to homeless individuals with serious mental illness or co-occurring mental illness/substance use disorders that address symptoms and behaviors associated with homelessness and housing retention.

Keywords: Homelessness, Permanent Supportive Housing

PI: Molly Faulkner, PhD

Study Title: Bridges to Wellness

Funding Dates: 9/30/2018-9/29/2023

Funding Agency: SAMHSA

Project Synopsis: The main goal of this project is to promote bidirectional healthcare integration for adults with mental illness and/or substance use disorders with co-morbid physical conditions in three rural counties.

Keywords: Program Evaluation, Rural

PI: Brandi Fink, MD

Study Title: HRV and the Emotions and Decisions of Couples

Funding Dates: 10/26/2019-8/9/2022

Funding Agency: UNM CTSC

Project Synopsis: The goal of this project is to investigate Heart Rate Variability Biofeedback for its ability to improve activation of the medial prefrontal cortex, the organizing structure of the central autonomic nervous system, thereby improving emotion regulation in alcohol-related intimate partner violence.

Keywords: Domestic Violence, Biofeedback

Co-PIs: Brandi Fink, PhD and Larissa Maley, PhD

Study Title: Effectiveness of ASAP

Funding Dates: 10/26/2019-9/30/2022

Funding Agency: N/A

Project Synopsis: This project is a program evaluation of the effectiveness of the Stage Treatment Model implemented at the UNM Health System Addictions and Substance Abuse Program.

Keywords: Substance Use Disorder, Program Evaluation

Co-PIs: Brandi Fink, PhD and Larissa Maley, PhD

Study Title: Test of a Living Room Model for Psychiatric Crises

Funding Dates: 9/01/2020-9/30/2022

Funding Agency: UNM Health System

Project Synopsis: This project is an evaluation of the development and effectiveness of a Living Room Model for Psychiatric Crisis at the UNM Health Sciences, University Psychiatric Center.

Keywords: Program Evaluation

Co-PIs: Brandi Fink, PhD and Larissa Maley, PhD

Study Title: Peer Support Model for Improving Treatment Engagement in Patients Experiencing Drug Overdoses

Funding Dates: 9/01/2020-9/30/2022

Funding Agency: UNM SUD Grand Challenge, UNM Health System

Project Synopsis: This project is an evaluation of the development and implementation of a Peer Support Model to improve treatment engagement in patients presenting to the UNM Health Sciences Emergency Department for a drug overdose.

Keywords: Peer support, Program Evaluation, Drug Overdose

PI: Brian Isakson, PhD

Study Title: CYFD Systems of Care

Funding Dates: 9/30/2019-9/29/2023

Funding Agency: SAMSHA

Project Synopsis: The purpose of this program is to improve the mental health outcomes for children and youth, birth through age 21, with serious emotional disturbance (SED), and their families. This program will support the implementation, expansion, and integration of the SOC approach.

Keywords: Program Evaluation

PI: Brian Isakson, PhD

Study Title: Community Mental Health Centers (CMHC) Grant Program

Funding Dates: 9/30/2021-9/29/2023

Funding Agency: SAMSHA

Project Synopsis: The purpose of this program is to enable community mental health centers to support and restore the delivery of clinical services that were impacted by the COVID-19 pandemic and effectively address the needs of individuals with serious emotional disturbance (SED), serious mental illness (SMI), and individuals with SMI or SED and substance use disorders, referred to as co-occurring disorder (COD).

Keywords: Serious Emotional Disturbance, COVID

PI: Brian Isakson, PhD

Study Title: Healthy Transitions Expansion Grant (HTEP)

Funding Dates: 03/31/2019-03/30/2024

Funding Agency: SAMSHA

Project Synopsis: The purpose of this program is to improve access to treatment and support services for youth and young adults, ages 16-25, who have a serious emotional disturbance (SED) or a serious mental illness (SMI), hereafter referred to as serious mental disorders. It is expected that this program will improve emotional and behavioral health functioning so that this population of youth and young adults can maximize their potential to assume adult roles and responsibilities and lead full and productive lives.

Keywords: Serious Mental Disorders, Young Adults

PI: Rhoshel Lenroot, MD

Study Title: A Magnetoencephalography Study of Perceived Body Ownership in Youth with Schizophrenia Spectrum Disorders

Funding Dates: 2/26/2019-9/1/2022

Funding Agency:

Project Synopsis: The main goal of the study is to use MEG and MRI determine whether symptoms in early psychosis are related to abnormalities in predictive encoding and sensory integration.

Keywords: Schizophrenia, Neuroimaging

PI: Rhoshel Lenroot, MD

Study Title: A Magnetoencephalography Study of Perceived Body Ownership in Youth with Schizophrenia-Spectrum Disorders and Youth with Post-Traumatic Stress Disorder

Funding Dates: 9/8/2020-8/9/2022

Funding Agency:

Project Synopsis: The main goal of this study is to determine whether a history of developmental trauma affects brain activity related to predictive encoding and sensory integration in youth with and without psychosis.

Keywords: Psychosis, MEG

PI: Rhoshel Lenroot, MD

Study Title: Trends in Psychiatric Emergency Presentations in Children and Adolescents

Funding Dates: 8/17/2021-9/1/2022

Funding Agency:

Project Synopsis: The goal of the study is to describe demographic, clinical and service related characteristics associated with increasing numbers of pediatric behavioral health presentations to emergency services at UNM, and how these have been affected by the COVID pandemic.

Keywords: COVID, pediatrics

PI: Jeremy Miller, MD

Study Title: Ictal Theta Power: An Electroconvulsive Therapy Safety Biomarker

Funding Dates: 4/30/2021-7/3/2022

Funding Agency: MRN/NIH

Project Synopsis: This is prospective, multimodal pilot study combining electroencephalography, functional infrared spectroscopy, and magnetic resonance imaging to look at the connection between E-field modeling and ictal theta power as ECT safety biomarkers and how they impact cerebral blood flow metrics and functional connectivity.

Keywords: ECT

Co-PIs: Davin Quinn, MD and Richard Campbell, PhD

Study Title: High-Definition Transcranial Direct Current Stimulation for Sensory Deficits in Complex Traumatic Brain Injury

Funding Dates: 11/23/2016-5/31/2022

Funding Agency: DoD

Project Synopsis: To evaluate the efficacy and target engagement of transcranial direct current stimulation for multisensory deficits in complex traumatic brain injury, using magnetic source imaging.

Keywords: TBI

PI: Davin Quinn, MD

Study Title: A Prospective, Multi-Center, Randomized, Controlled, Blinded Trial Demonstrating the Safety and Effectiveness of VNS Therapy® System as Adjunctive Therapy Versus a No Stimulation Control in Subjects With Treatment-Resistant Depression

Funding Dates: 3/25/2020-2/12/2025

Funding Agency: LivaNova LLC

Project Synopsis: To conduct a randomized controlled trial followed by an open trial of vagal nerve stimulation for treatment-resistant depression in a Medicare-eligible population.

Keywords: Clinical Trial, Depression

PI: Davin Quinn, MD

Study Title: Individualized Targeting and Neuromodulation of Late-Life Depression

Funding Dates: 2/6/2020-1/18/2022

Funding Agency: UNM Grand Challenge

Project Synopsis: We propose a pilot study of structural and functional MRI (sfMRI) to identify individual-specific targets for TMS to treat LDD.

Keywords: Neuroimaging, Depression

Co-PIs: Davin Quinn, MD and Richard Campbell, PhD

Study Title: Investigating Mechanisms of COVID-19 Neuropsychiatric Dysfunction

Funding Dates: 1/12/2021-1/11/2022

Funding Agency: N/A

Project Synopsis: The main goal of this study is to explore candidate neural pathophysiologies associated with post-acute sequelae of COVID-19.

Keywords: COVID-19, Neuroscience

PI: Davin Quinn, MD

Study Title: Efficacy of TMS at University of New Mexico Hospital

Funding Dates: 8/11/2021-8/10/2022

Funding Agency: NA

Project Synopsis: To characterize the clinical outcomes of the TMS service at UNM Hospital.

Keywords: TBI, tCDS

Co-PIs: Davin Quinn, MD and Richard Campbell, PhD

Study Title: Transcranial direct current stimulation for treatment of deficits after traumatic brain injury

Funding Dates: 8/11/2015-5/19/2022

Funding Agency: UNM- Neurosciences; NIH/NIGMS-PI Shuttleworth

Project Synopsis: To evaluate transcranial direct current stimulation for modulation of chronic cognitive and emotional symptoms in mild to moderate traumatic brain injury.

Keywords: TBI, tCDS

PI: Davin Quinn, MD

Study Title: Control Network Neuromodulation to Enhance Cognitive Training in Complex Traumatic Brain Injury (The CONNECT-TBI Trial)

Funding Dates: 7/1/2020-6/30/2023

Funding Agency: DoD

Project Synopsis: To conduct a randomized, double-blinded, sham-controlled Phase II clinical trial of APT-3 combined with rTMS, HD-tDCS, or sham to treat cognitive control deficits in Veterans with complex mTBI.

Keywords: TBI

PI: Julie Salvador, PhD

Study Title: ECHO-F Model For Expansion of MAT in Rural Primary Care

Funding Dates: 7/21/2017-6/30/2022

Funding Agency: AHRQ

Project Synopsis: The goal of this study is to examine the impact of participation in a Medications for Opioid Use Disorder (MOUD) ECHO intervention on uptake of Medication Assisted Treatment in rural primary care settings.

Keywords: Televideo, ECHO, Primary Care, Medication Assisted Treatment, Opioid Use Disorder

PI: Julie Salvador, PhD

Study Title: State Opioid Response 2020

Funding Dates: 10/01/2020-9/30/2022

Funding Agency: SAMHSA

Project Synopsis: The goal of this health services initiative and evaluation is to partner with agencies statewide in behavioral health, prevention, primary care, acute care/hospitals, detention, peer agencies and many more to increase access to prevention, treatment, harm reduction and recovery services for opioid and stimulant use disorders in New Mexico. The study components measure the impact of treatment using medications for opioid use disorder (MOUD), therapy and recovery services on improvements on client/patient outcomes including substance use, criminal activity, mental and physical health, family and living conditions, education/ employment status and social connectedness.

Keywords: televideo, ECHO, Primary Care, Medication Assisted Treatment, Opioid Use Disorder

Co-PIs: Lindsay Smart, PhD and Richard Campbell, PhD

Study Title: Youth Organized Sports Participation in Bernalillo County

Funding Dates: No funding.

Funding Agency: No funding. Project for Bernalillo County Youth Sports Commission

Project Synopsis: The primary research questions are: 1) How many youth are playing youth organized sports in Bernalillo County in the past 12 months, 2) What are youth organized sports prevalence rates in Bernalillo County for the past 12 months, and 3) What are the perceived barriers to organized sports participation for youth between the ages of 5-17 in Bernalillo County?

Keywords: Youth Sports

PI: Lindsay Smart, PhD

Study Title: Script Concordance Test for Psychiatry Residents and Fellows

Funding Dates: 6/30/2020-ongoing

Funding Agency: UNM Scholarship in Education Allocations Committee (SEAC)

Project Synopsis: The research question is: Can a Script Concordance Test for Behavioral Health be developed that is internally valid and reliable? The primary purpose of this research will be to test a SCT for behavioral health concerns that was developed in a prior study to determine if it is suitable for assessing the clinical reasoning abilities of psychiatry residents and fellows.

Keywords: Clinical reasoning, problem-based learning, case based learning, education

PI: Lindsay Smart, PhD

Study Title: Evaluation of the UNM HSC Certified Healthcare Leader Peer Coach Training

Funding Dates: 9/4/2019-ongoing

Funding Agency: No funding

Project Synopsis: The Physician Coaching Institute (PCI), creator of the Certified Healthcare Leader Peer Coach program, developed this specialized training in response to both the challenges Academic Health Center faculty and staff leaders face in engaging and influencing their peers, and also to the desire on the part of front line staff for more professional development-focused conversations from leaders. This 3-month training program equips Academic Health Center faculty and staff leaders with specific coaching competencies that aims to promote more meaningful peer communication and engagement. The primary research questions are: Do participants improve in their confidence about their peer coaching skills? Are participants more willing to use peer coaching competencies in specific situations Do participants report satisfaction with a Peer Coaching Training Curriculum on a Post-Training Survey?

Keywords: Mentoring, diversity initiatives, professional development

PI: Poone Tehrani, MD

Study Title: A Teaching Curriculum for Rural & Community Psychiatry Residency Rotation: Systems of Care

Funding Dates: 5/14/2020-ongoing

Funding Agency: N/A

Project Synopsis: This project is a qualitative assessment of one of her curricula.

Keywords: Course Evaluation

PI: Douglas Ziedonis, MD

Study Title: Testing an Organizational Change Model to Address Smoking in Mental Healthcare

Funding Dates: 12/1/2020-2/28/2022

Funding Agency: University of Pennsylvania

Project Synopsis: The grant implements and evaluates the ATTOC model (Ziedonis) in 12 mental health centers with controls.

Keywords: Program Evaluation, ATTOC model

PI: Ann Waldorf, PhD

Study Title: UNM Provider's Clinical Support System

Funding Dates: 9/30/18-9/29/2024

Funding Agency: SAMSHA

Project Synopsis: The goal of this project is to embed the PCSS DATA 2000 Waiver training, required for prescribing buprenorphine, into medical, nursing, and physician assistance education at the University of New Mexico and examine outcomes related to numbers of waived and prescribing providers.

Keywords: Medication assisted treatment, Workforce Development Data 2002 Waiver Training

PI: Ann Waldorf, PhD

Study Title: Assertive Community Treatment Grant

Funding Dates: 9/30/18-9/29/2023

Funding Agency: SAMSHA

Project Synopsis: The purpose of this program is to establish or expand and maintain ACT programs for individuals with a serious mental illness (SMI). SAMHSA expects this program will improve behavioral health outcomes for individuals by reducing rates of hospitalization, mortality, substance use, homelessness, and involvement with the criminal justice system.

Keywords: Serious Mental Illness, Program Evaluation

Research Projects from Other Departments of Possible Interest to Trainees

PI: Richard Campbell, PhD, Neurosciences

Study Title: Neuropsychological and Psychosocial Functioning in Children and Adolescents with Cerebral Cavernous Malformation (CCM)

Funding Dates: 4/01/2016-9/7/2022

Funding Agency: UNM CTSC

Project Synopsis: The aims of this project are to describe the neurocognitive, behavioral, and emotional functioning of children with cerebral cavernous malformations (CCM).

Keywords: Neuropsychology, CCM

Co-PIs: Bill Shuttleworth, PhD, Neurosciences and Davin Quinn, MD, Department of Psychiatry and Behavioral Sciences

Study Title: Spreading Depolarizations and Neuronal Vulnerability

Funding Dates: 1/1/2018-12/31/2022

Funding Agency: NIH/NINDS

Project Synopsis: This project addresses fundamental mechanisms that contribute to the progression of acute brain injuries, including stroke and trauma. Our long-term goal is to develop interventions that can be applied at late time points, and which ultimately will be translatable to clinical studies to improve survival, and quality of life of survivors. The project focuses on the phenomenon of Spreading Depolarization (SD), which has recently emerged as a key contributor to the delayed progression of acute brain injuries.

Keywords: Acute Brain Injuries

Co-PIs: Bill Shuttleworth, PhD and Richard Campbell, PhD, Neurosciences and Davin Quinn, MD, Department of Psychiatry and Behavioral Sciences

Study Title: Center for Brain Recovery and Repair

Funding Dates: 7/1/2020-6/30/2025

Funding Agency: NIH/NIGMS

Project Synopsis: The Center for Brain Recovery and Repair will strengthen its interdisciplinary team of basic science and clinical investigators, with the goal of discovery of new and effective treatments to accelerate recovery of function for stroke and traumatic brain injury survivors. The Center will continue to develop innovative new research programs, supported by intensive mentoring and state-of-the-art resources. These efforts provide a hub for brain injury research in New Mexico, and aim to ultimately benefit the large number of New Mexicans and their families living with the consequences of debilitating brain injuries.

Keywords: Acute Brain Injuries

Research Projects by Trainees in the Department of Psychiatry and Behavioral Sciences

PI: Alice Luo, MD

Study Title: Bispectral Index Monitoring and Density Spectral Array to Detect Delirium in Hospitalized Patients: A Proof of Concept Study

Funding Dates: 8/12/2016-4/4/2022

Funding Agency: UNM SOM Bettie Black Dawson Trainee Research Grant

Mentor: Davin Quinn, MD

Project Synopsis: To evaluate the utility of bedside bispectral index monitoring to assist clinical diagnosis of delirium in general hospital patients.

Keywords: Delirium

PI: Megan Shedd, MD

Study Title: Experiences of Psychosis

Funding Dates: 12/10/2019-12/31/2021

Funding Agency: UNM Department of Psychiatry Rosenbaum Award

Mentor: Nancy Pandhi, MD, Department of Family and Community Medicine

Project Synopsis: The goal of this pilot project is to increase understanding about the experiences of psychosis in order to inform patients, caregivers, researchers, clinicians, learners and other stakeholders.

Keywords: Lived Experience, Psychosis, Qualitative