



SCHOOL  
OF MEDICINE

DEPARTMENT OF PSYCHIATRY  
& BEHAVIORAL SCIENCES

# Annual Research Activity Report

# OCTOBER 2022





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 and outside the Department of Psychiatry and Behavioral Sciences and identify research opportunities for residents, interns and post-docs.

- A glossary of acronyms can be found at the end of this document.

**For questions or updates to the report please contact:**

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## Department of Psychiatry and Behavioral Sciences Current Research Projects

### Ongoing as of October 2022

**PI, Co-Is:** Christopher 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

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**PI, Co-Is:** Christopher Abbott, MD

**Study Title:** Deciphering Mechanisms of ECT Outcomes and Adverse Effects

**Funding Dates:** 8/1/2022-5/31/2027

**Funding Agency:** NIH

**Project Synopsis:** In this prospective study we propose the first investigation integrating multiple units of analysis including clinical and cognitive phenotyping, whole-brain neuroimaging, EEG, and E-field modeling to establish the mechanisms underlying ECT-induced antidepressant response (response biomarkers) and cognitive adverse effects (safety biomarkers), as well as to find the “sweet spot” of ECT dosing for optimal antidepressant benefit and cognitive safety.

**Keywords:** Neuroimaging, ECT

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**PI, Co-Is:** Christopher Abbott, MD  
**Study Title:** Electroconvulsive therapy amplitude titration for improved clinical outcomes in late-life depression  
**Funding Dates:** 2/1/2021-1/31/2023  
**Funding Agency:** NIH  
**Project Synopsis:** During 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

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**PI, Co-Is:** Deborah Altschul, PhD and Brandi Fink, MD  
**Study Title:** Integrating Intergenerational Cultural Knowledge Exchange with Zero Suicide  
**Funding Dates:** 10/1/2017-6/30/2023  
**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:** Suicide Intervention, Health Disparities, Native Americans

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**PI, Co-Is:** Deborah Altschul, PhD  
**Study Title:** NM Emergency Response to COVID-19\*  
**Funding Dates:** 4/1/2020-6/30/2023  
**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 is individuals with SMI, SED, SUD, and those with co-occurring SMI/SED and SUD.  
**Keywords:** Public Health, Behavioral Health, Pandemic

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**PI, Co-Is:** Deborah Altschul, PhD  
**Study Title:** San Felipe I-CARE  
**Funding Dates:** 4/1/2022-3/31/2027  
**Funding Agency** IHS Behavioral Health Integration Initiative  
**Project Synopsis:** The purpose of the BH2I program is to improve the physical and mental health status of people with behavioral health issues by developing an integrated and coordinated system of care. This effort supports the IHS mission to raise the physical, mental, social, and spiritual health of AI/AN individuals to the highest level.  
**Keywords:** Integrative Care, Native Americans

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**PI, Co-Is:** Deborah Altschul, PhD  
**Study Title:** San Felipe Pueblo Garrett Lee Smith Suicide Prevention Grant  
**Funding Dates:** 7/1/2019-6/29/2024  
**Funding Agency** SAMSHA  
**Project Synopsis:** Kathishya Embraces Youth, Wellness, and Hope (KEYWAH) seeks to expand suicide prevention and early intervention strategies in schools, tribal courts, and the tribal behavioral health program.  
**Keywords:** Suicide Intervention, Native Americans

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**PI, Co-Is:** Deborah Altschul, PhD  
**Study Title:** San Felipe Pueblo Home Visiting Grant\*  
**Funding Dates:** 10/1/2016-9/29/2023  
**Funding Agency:** ACF  
**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:** Home Visiting, Native Americans

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**PI, Co-Is:** Deborah Altschul, PhD  
**Study Title:** San Felipe Pueblo 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, Native Americans

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**PI, Co-Is:** Deborah Altschul, PhD  
**Study Title:** San Felipe Pueblo 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 at 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:** Suicide Intervention, Health Disparities, Native Americans

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**PI, Co-Is:** David Arciniegas, MD  
**Study Title:** A longitudinal study of traumatic brain injury in a high-risk population  
**Funding Dates:** 9/1/2022-8/30/2027  
**Funding Agency:** NIH/NINDS  
**Project Synopsis:** This project seeks to examine TBI in forensic populations, drawing on a rare and highly valuable population that is historically underserved by mental health research. For this project, we will commence a longitudinal study on n=500 individuals aged 35 and older, examining variables that will differentiate pathological trajectories associated with static and progressive cognitive impairments and will provide objective brain-based measures of cognitive decline and imaging-based classification tools for identifying brain injuries and how these change over time, within-subjects.  
**Keywords:** Traumatic Brain Injury

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**PI, Co-Is:** David Arciniegas, MD  
**Study Title:** A Prospective Observational Study on Therapeutic and Adverse Effects of Medical Cannabis for Chronic Traumatic Brain Injury  
**Funding Dates:** 10/1/2022-9/30/2024  
**Funding Agency:** DoD  
**Project Synopsis:** The overarching aims of this project are to quantify chronic emotional, physical and cognitive symptoms post-TBI relative to healthy controls; to evaluate how chronic symptoms, neural and vascular functioning are affected by medical cannabis use relative to standard therapies; and to quantify microstructural and atrophic changes in grey and white matter post-TBI relative to healthy controls, and the potential mediating role of medical cannabis on both imaging and blood-based biomarkers of pathology  
**Keywords:** Traumatic Brain Injury

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**PI, Co-Is:** David Arciniegas, MD  
**Study Title:** Emotional dyscontrol in Veterans with extended history of mild traumatic brain injury and upright balance control and auditory sensory processing contributions  
**Funding Dates:** 9/1/2021-8/30/2027  
**Funding Agency:** DoD  
**Project Synopsis:** The overarching aims of this project are to compare measures of emotional dyscontrol, upright balance control, auditory processing, their structural magnetic resonance of the brain correlates, and the relationships between these variables among Veterans with chronic mTBI and healthy comparators.  
**Keywords:** Traumatic Brain Injury

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**PI, Co-Is:** David Arciniegas, MD  
**Study Title:** New approach to studying white matter aging: symmetric multimodal fusion of MRI techniques targeting different biophysical properties of white matter  
**Funding Dates:** 9/1/2021-8/30/2023  
**Funding Agency:** NIH/NIA  
**Project Synopsis:** This R21 aims to test whether the multimodal approach confirms the selective vulnerability to aging in late-developing white matter regions, and to test whether the multimodal measure of age-related myelin and axonal loss correlates with cognitive decline.  
**Keywords:** Symmetric Multimodal Fusion

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**PI, Co-Is:** Juan Bustillo, MD  
**Study Title:** The relationship between the efficacy of lumateperone and central glutamate and dopaminergic metabolism: A comparison with risperidone in first episode psychosis  
**Funding Dates:** 7/1/2022-6/30/2024  
**Funding Agency:** Intra-Cellular Therapies  
**Project Synopsis:** To examine the differential relationships between antipsychotic efficacy and changes in dopaminergic and glutamatergic metabolism in lumateperone and risperidone treated early psychosis patients.  
**Keywords:** First Episode Psychosis

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**PI, Co-Is:** Thomas Chavez, PhD  
**Study Title:** NM Workforce Diversity Center of Excellence-Other  
**Funding Dates:** 7/1/2022-6/30/2023  
**Funding Agency:** HRSA COE  
**Project Synopsis:** NM COE will provide under-represented minority (URM) students and faculty on campus and off, skills in culturally attuned health care training for clinical practice and research, with an emphasis on identifying and addressing adverse sociocultural determinants of health (SDH).  
**Keywords:** Workforce Development, cultural-attuned health care training

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**PI, Co-Is:** Jennifer Crawford, PhD  
**Study Title:** FOCUS Expansion Evaluation Project  
**Funding Dates:** 9/30/2021-9/29/2026  
**Funding Agency:** SAMHSA, 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:** Substance Use Disorder, Program Evaluation

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**PI, Co-Is:** Annette Crisanti, PhD  
**Study Title:** Crisis Intervention Training Knowledge Network  
**Funding Dates:** 12/8/2016-6/30/2023  
**Funding Agency:** APD, UNM Department of Psychiatry and Behavioral Sciences, and New Mexico Department of Health (DOH)  
**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

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**PI, Co-Is:** Annette Crisanti, PhD  
**Study Title:** Duration of Untreated Psychosis and Perceived Barriers to Mental Health Care Among College Students  
**Funding Dates:** N/A  
**Funding Agency:** N/A  
**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

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**PI, Co-Is:** Annette Crisanti, PhD  
**Study Title:** Opening Doors Through Services and Supports for Homeless Individuals with Serious Mental Illness (SMI) or Co-occurring SMI and Substance Use Disorder (CODs)  
**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

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**PI, Co-Is:** Annette Crisanti, PhD  
**Study Title:** Peer Support Model to Address Substance Use Disorders Treatment Engagement in Rural Communities  
**Funding Dates:** 9/30/2022-9/29/2023  
**Funding Agency** UNM SUD Grand Challenge, UNM Health System  
**Project Synopsis:** The purpose of the Peer Support Model to Address Substance Use Disorders Treatment Engagement in Rural Communities project is to develop, implement and test a model of tele-substance use disorder (TH-SUD) treatment and patient engagement to reach underserved rural Hispanic and Native American (NA) populations in Sandoval, San Juan, McKinley, Cibola, Valencia, and Santa Fe Counties, within New Mexico (NM). The overall goal is to reduce the consequences of substance use in culturally relevant ways. Our population of focus is rural, Hispanic and NA adult patients (from the counties listed above) with a SUD who present to the emergency department (ED) or medical inpatient units of the University of New Mexico (UNM), Sandoval Regional Medical Center (SRMC), Inc. located in Sandoval County (SC).  
**Keywords:** Telehealth, Substance Use Disorder Treatment, Peer Support Workers, Rural, Native American, Hispanic

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**PI, Co-Is:** Annette Crisanti, PhD  
**Study Title:** UNM First Episode Psychosis Project  
**Funding Dates:** 1/15/2020-ongoing  
**Funding Agency** NM DOH  
**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

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**PI, Co-Is:** Annette Crisanti, PhD  
**Study Title:** UNM HSC CONNECT Program for Clinical High-Risk Psychosis  
**Funding Dates:** N/A  
**Funding Agency:** N/A  
**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

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**PI, Co-Is:** Rebecca Ezechukwu, PhD  
**Study Title:** Addressing Childhood Trauma through Intervention, Outreach, and Networking III (ACTION III)  
**Funding Dates:** 9/30/2022-9/29/2027  
**Funding Agency:** SAMSHA  
**Project Synopsis:** The primary purpose of the ACTION III Treatment Program is to support the University of New Mexico Health Sciences Center's Children's Psychiatric Center-Outpatient Services (UNM HSC CPC-OS) in developing and implementing an outpatient trauma-informed specialty clinic that is grounded in collaboration among child-serving institutions.  
**Keywords:** Childhood Trauma, Trauma Services, Children and Adolescents

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**PI, Co-Is:** Brian Isakson, PhD  
**Study Title:** Bridges to Wellness Healthcare Integration  
**Funding Dates:** 9/30/2018-9/29/2023  
**Funding Agency:** SAMSHA  
**Project Synopsis:** The main goal of this project is to will promote bidirectional healthcare integration for adults with mental illness and/or substance use disorders with co-morbid physical conditions in three rural counties.  
**Keywords:** Serious Mental Disorders, Program Evaluation, Rural

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**PI, Co-Is:** Brian Isakson, PhD  
**Study Title:** Community Mental Health Centers - Increasing Behavioral Health Access Post-COVID Pandemic  
**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:** COVID, Healthcare Integration, Serious Mental Disorders

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**PI, Co-Is:** Brian Isakson, PhD  
**Study Title:** Healthy Transitions Expansion Grant  
**Funding Dates:** 3/31/2019-3/30/2024  
**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

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**PI, Co-Is:** Brian Isakson, PhD  
**Study Title:** System 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:** Serious Emotional Disturbance, Program Evaluation

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**PI, Co-Is:** Tyler Kincaid, PhD  
**Study Title:** NM Multisystemic Therapy Outcomes Tracking Project  
**Funding Dates:** 5/3/2017-6/30/2023  
**Funding Agency:** CYFD, NM DOH  
**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

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**PI, Co-Is:** David Lardier, PhD  
**Study Title:** Project AWARE  
**Funding Dates:** 7/1/2022-6/30/2024  
**Funding Agency:** SAMSHA  
**Project Synopsis:** The purpose of Project AWARE (Advancing Wellness and Resiliency in Education) is to promote the healthy development of school-aged youth and prevent youth violence  
**Keywords:** Youth, Violence Prevention

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**PI, Co-Is:** Rhoshel Lenroot, MD  
**Study Title:** Trends in Psychiatric Emergency Presentations in Children and Adolescents  
**Funding Dates:** 8/17//2021-11/30/2022  
**Funding Agency:** UNM CTSC  
**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

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**PI, Co-Is:** Jen Perillo, PhD  
**Study Title:** Implementation and Enhancement of Law Enforcement Assisted Diversion (LEAD) Programs in New Mexico  
**Funding Dates:** 7/1/2020-6/30/2023  
**Funding Agency:** DoD  
**Project Synopsis:** The purpose of the program evaluation is to examine the impact of LEAD programs in New Mexico regarding criminal behavior (recidivism), aggregate emergency health service utilization, and aggregate drug overdose rates.  
**Keywords:** Homelessness, Permanent Supportive Housing

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**PI, Co-Is:** Davin Quinn, MD  
**Study Title:** A Novel Bench-to-Bedside Translational Model of Anhedonia  
**Funding Dates:** 4/1/2019-3/31/2024  
**Funding Agency:** NIMH  
**Project Synopsis:** To determine electrophysiological signatures of anhedonia in animal and human contexts using electroencephalography.  
**Keywords:** Electroencephalography, Anhedonia

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**PI, Co-Is:** Davin Quinn, MD  
**Study Title:** A Prospective Observational Study on Therapeutic and Adverse Effects of Medical Cannabis for Chronic Traumatic Brain Injury  
**Funding Dates:** 10/1/2022-9/30/2025  
**Funding Agency:** DoD  
**Project Synopsis:** To use advanced neuroimaging techniques to quantify changes in brain function in Veterans with traumatic brain injury taking medical cannabis.  
**Keywords:** Traumatic Brain Injury, Medical Cannabis

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**PI, Co-Is:** Davin Quinn, MD  
**Study Title:** Bispectral Index Monitoring and Density Spectral Array for the Detection of Delirium in Hospitalized Patients  
**Funding Dates:** N/A  
**Funding Agency:** N/A  
**Project Synopsis:** To evaluate utility of bedside bispectral index monitoring to assist clinical diagnosis of delirium in general hospital patients.  
**Keywords:** Delirium, Electroencephalography

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**PI, Co-Is:** Davin Quinn, MD  
**Study Title:** Control Network Neuromodulation to Enhance Cognitive Training in Complex Traumatic Brain Injury (The CONNECT-TBI Trial)  
**Funding Dates:** 7/1/2020-9/29/2023  
**Funding Agency:** DoD  
**Project Synopsis:** To conduct a multi-center, 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:** Traumatic Brain Injury, Cognitive Rehabilitation, Brain Stimulation

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**PI, Co-Is:** Davin Quinn, MD  
**Study Title:** Eye Recovery Automation for Post-Injury Dysfunctions (iRAPID)  
**Funding Dates:** 09/01/2022-08/31/2026  
**Funding Agency:** DoD  
**Project Synopsis:** To conduct a clinical trial of VERVE, a virtual reality platform for delivering automated vision therapy for post-concussion convergence insufficiency in Veterans with mild traumatic brain injury.  
**Keywords:** Traumatic Brain Injury, Vision Therapy

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**PI, Co-Is:** Davin Quinn, MD  
**Study Title:** High-Definition Transcranial Direct Current Stimulation for Sensory Deficits in Complex Traumatic Brain Injury  
**Funding Dates:** 11/1/2017-9/30/2022  
**Funding Agency:** DoD  
**Project Synopsis:** To characterize and ameliorate cognitive control deficits underlying multisensory postconcussive symptoms using magnetoencephalography and high-definition transcranial direct current stimulation in Veterans and Servicemembers with mild traumatic brain injury.  
**Keywords:** Traumatic Brain Injury, Magnetoencephalography, Brain Stimulation

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**PI, Co-Is:** Davin Quinn, MD and Christopher Abbott, MD  
**Study Title:** Individualized Targeting and Neuromodulation of Late Life Depression  
**Funding Dates:** 5/1/2022-4/30/2023  
**Funding Agency:** NIH  
**Project Synopsis:** This project is a renewal of a pilot study of structural and functional MRI (sfMRI) to validate patient-specific targets for TMS to treat late life depression.  
**Keywords:** Transcranial Magnetic Stimulation, Late Life Depression

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**PI, Co-Is:** Davin Quinn, MD  
**Study Title:** Mountain States PASC Consortium, Post-Acute Sequelae of SARS-CoV-2 Infection Initiative, SARS-CoV-2 Recovery Cohort Studies  
**Funding Dates:** 5/1/2021-4/30/2025  
**Funding Agency:** NIH  
**Project Synopsis:** To study the demographics, clinical course, and pathophysiology of post-acute sequelae of COVID-19.  
**Keywords:** COVID-19, long COVID

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**PI, Co-Is:** Davin Quinn, MD and David Arciniegas, MD  
**Study Title:** New Mexico Department of Health Report on TBI  
**Funding Dates:** 4/1/2021-7/1/2021  
**Funding Agency:** NM Brain Injury Advisory Council  
**Project Synopsis:** To author a report on current resources and gaps in traumatic brain injury services in New Mexico.  
**Keywords:** Traumatic Brain Injury, Continuum of Care

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**PI, Co-Is:** Davin Quinn, MD  
**Study Title:** Randomized ESRD Trial Comparing CBT Alone VERSus With Buprenorphine (RECOVER): The HOPE Consortium  
**Funding Dates:** 4/1/2020-3/31/2025  
**Funding Agency:** NIH  
**Project Synopsis:** The study will examine the use of CBT vs. CBT with Buprenorphine for the treatment of pain in patients with ESRD.  
**Keywords:** End-state renal disease, Cognitive Behavioral Therapy, Buprenorphine

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**PI, Co-Is:** Julie Salvador, PhD  
**Study Title:** ECHO-F Model For Expansion of MAT in Rural Primary Care  
**Funding Dates:** 9/1/2017-1/31/2023  
**Funding Agency:** AHRQ  
**Project Synopsis:** The goal of this study is to increase uptake of Medication Assisted Treatment in rural primary care settings in New Mexico through use of an innovative ECHO-F model combining Project ECHO training infrastructure and practice detailing strategies.  
**Keywords:** Televideo, ECHO, Primary Care, Medication Assisted Treatment, Opioid Use Disorder

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**PI, Co-Is:** Julie Salvador, PhD  
**Study Title:** State Opioid Response  
**Funding Dates:** 9/30/2022-9/29/2023  
**Funding Agency** SAMSHA  
**Project Synopsis:** Reduce OUD and associated morbidity and mortality through expansion of evidence-based practices in OUD treatment, recovery, harm reduction and prevention. Focus on MAT for OUD expansion.  
**Keywords:** Opioid Use Disorder

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**PI, Co-Is:** Lindsay Smart, PhD  
**Study Title:** Evaluation of the UNM HSC Certified Healthcare Leader Peer Coach Training  
**Funding Dates:** N/A  
**Funding Agency** N/A  
**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. InThe 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

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**PI, Co-Is:** Lindsay Smart, PhD

**Study Title:** Micro-Mentoring Through the Use of a Web-Based Mentorship Platform in the Department of Psychiatry and Behavioral Sciences

**Funding Dates:** N/A

**Funding Agency:** N/A

**Project Synopsis:** This project seeks to incorporate a micro-mentoring model using the web-based Tribute platform for Residents, Fellows, and Assistant/Associate Faculty members in the Department of Psychiatry and Behavioral Sciences, Department of Family and Community Medicine, and Department of Pediatrics. The benefit of a micro-mentoring model is the flexibility it provides in receiving and delivering mentorship, in addition to the possibility for mentor and mentee to connect with a wider range of individuals than they would normally have had contact with during their day-to-day work activities. This project seeks to evaluate this micro-mentoring model and web-based platform more in-depth to further inform the Department's development of mentoring initiatives. This project is seeking to explore the experience of both the mentor and the mentee.

**Keywords:** Mentorship, Micro-mentoring Model

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**PI, Co-Is:** Lindsay Smart, PhD

**Study Title:** Script Concordance Test for Residents and Fellows

**Funding Dates:** N/A

**Funding Agency:** N/A

**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

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**PI, Co-Is:** Virginia Ann Waldorf, PhD  
**Study Title:** Expanding CRAFT in New Mexico  
**Funding Dates:** 9/30/2022-9/29/2023  
**Funding Agency:** SAMSHA  
**Project Synopsis:** The project will focus on proliferating the Community Reinforcement and Family Training (CRAFT) model throughout the State of New Mexico as a way to enhance treatment services in under-served communities across the state. CRAFT is an evidence-based practice designed specifically to provide support and skills building sessions to families who have a loved one who is involved with an addiction. The skills can be useful for persons needing to access services, but lacking sufficient support and motivation as well as for families who have a loved one in a controlled environment (incarceration or residential addiction treatment) who will be returning home. The project will fund four pilot projects, one in each quadrant of the state, with one reserved to serving a Native American community, and result in serving 400 families while developing a New Mexico based cadre of trainers in the model.  
**Keywords:** Family Training, Addiction

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**PI, Co-Is:** Virginia Ann Waldorf, PhD  
**Study Title:** UNM Provider's Clinical Support System Nurse Practitioner Expansion  
**Funding Dates:** 9/30/2021-9/29/2024  
**Funding Agency:** SAMSHA  
**Project Synopsis:** The goal of this project expansion is to embed the PCSS DATA 2000 Waiver training, required for prescribing buprenorphine, into the mandatory education for all Doctor of Nursing Practice concentrations 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

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**PI, Co-Is:** Daniel Williams, PhD

**Study Title:** Assertive Community Treatment Grant

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

**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:** Healthcare Integration, Program Evaluation, Rural

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## Research Projects from Other Departments of Possible Interest to Trainees

**PI, Co-Is:** Richard Campbell, PhD  
**Study Title:** Neuropsychological and psychosocial functioning in children and adolescents with  
**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

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**PI, Co-Is:** Bill Shuttleworth, PhD  
**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

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## Research Projects by Trainees in the Dept of Psychiatry and Behavioral Sciences

**PI, Co-Is:** Andrew Carlson, PhD  
**Study Title:** Targeting Spreading Depolarization and Neurological Deficits in Chronic Subdural Hematoma  
**Funding Dates:** 7/1/2020-6/30/2025  
**Funding Agency:** NIH/NIGMS  
**Mentor:** Richard Campbell, MD  
**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

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**PI, Co-Is:** Jeremy Hogeveen, PhD  
**Study Title:** Motivation Circuits Underlying Apathy in Traumatic Brain Injury  
**Funding Dates:** 7/1/2020-6/30/2025  
**Funding Agency:** NIH/NIGMS  
**Mentor:** Richard Campbell, MD  
**Project Synopsis:** The main purpose of this project is to target and alter neural networks associated with apathy using transcranial magnetic stimulation (TMS).  
**Keywords:** Acute Brain Injuries

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**PI, Co-Is:** Russ Morton, PhD  
**Study Title:** Cellular and Physiological Mechanisms of Mild Traumatic Brain Injuries  
**Funding Dates:** 7/1/2020-6/30/2025  
**Funding Agency:** NIH/NIGMS  
**Mentor:** Richard Campbell, MD  
**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

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## Faculty Involved HSC Research Programs

**PI, Co-Is:** Lisa Cacari-Stone, PhD, College of Population Health; Steve Verney, PhD, Psychology; Maria Brave Heart, PhD, Psychiatry and Behavioral Sciences; Gabriel Sanchez, PhD, Political Science

**Study Title:** Transdisciplinary Research, Equity and Engagement (TREE) Center for Advancing Behavioral Health

**Funding Dates:** 9/1/2017-6/30/2023

**Funding Agency:** NIH/NIMHD

**Faculty Collaborators:** Deborah Altschul, PhD; Brandi Fink, PhD

**Project Synopsis:** The major goal of this proposal is to advance the science of minority health and health disparities by conducting transdisciplinary, multi-level research in a defined thematic area and by providing research opportunities and support for post-doctoral fellows, junior faculty, and other investigators.

**Keywords:** Minority Health

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**PI, Co-Is:** Andrew Mayer, PhD, MIND Research Network

**Study Title:** Multimodal Imaging of Neuropsychiatric Disorders

**Funding Dates:** 9/8/2008-6/30/2023

**Funding Agency:** NIH

**Faculty Collaborators:** Juan Bustillo, MD; Davin Quinn, MD

**Project Synopsis:** This study examines the functional and anatomical connectivity in various neuropsychiatric disorders using multimodal neuroimaging, genetics, and advanced analysis approaches.

**Keywords:** Neuropsychiatry

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**PI, Co-Is:** Edward Nunes, Jr, MD; John Rotrosen, MD; Roger Weiss, MD  
**Study Title:** Optimizing Retention, Duration, and Discontinuation Strategies for Opioid Use Disorder pharmacotherapy  
**Funding Dates:** 9/30/2021-03/31/2026  
**Funding Agency:** NIDA Clinical Trials Network  
**Faculty Collaborators:** Snehal Bhatt, MD  
**Project Synopsis:** The projects combined a variety of medication and psychotherapeutic interventions to improve outcomes for people with OUD.  
**Keywords:** MOUD, Psychotherapy, Treatment Retention, Treatment Discontinuation

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**PI, Co-Is:** Kimberly Page, PhD  
**Study Title:** NIDA Southwest Node  
**Funding Dates:**  
**Funding Agency:** NIDA  
**Faculty Collaborators:** Snehal Bhatt, MD  
**Project Synopsis:**  
**Keywords:** Clinical Trials, Manuscript Reviews

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**PI, Co-Is:** Bill Shuttleworth, PhD  
**Study Title:** Center for Brain Recovery and Repair  
**Funding Dates:** 7/1/2020-6/30/2025  
**Funding Agency:** NIH/NIGMS  
**Faculty Collaborators:** Richard Campbell, MD; Davin Quinn, MD  
**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

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**PI, Co-Is:** Bill Shuttleworth, PhD, Department of Neurosciences  
**Study Title:** New Mexico IDeA Networks of Biomedical Research Excellence (INBRE)  
**Funding Dates:** 4/1/2019-3/31/2024  
**Funding Agency:** NIH/NIGMS  
**Faculty Collaborators:**  
**Project Synopsis:** New Mexico INBRE champions biomedical and community based research excellence in the state of New Mexico through the development of innovative, supportive and sustainable research environments for faculty and students, community engaging health initiatives, while building a network of lead scientists and educators at the state, regional and national level.  
**Keywords:** Community Based Research

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**PI, Co-Is:** A. Robin Williams, MD  
**Study Title:** Optimal Policies to Improve Methadone Maintenance Adherence Longterm  
**Funding Dates:** 9/30/2021-06/31/2023  
**Funding Agency:** NIDA Clinical Trials Network  
**Faculty Collaborators:** Snehal Bhatt, MD  
**Project Synopsis:** The project aims to evaluate the impact of changes in OTP federal regs during COVID-19 pandemic on patient outcomes.  
**Keywords:** OTP, Methadone, COVID-19

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# Glossary

<b>AAO</b>	Albuquerque Area Office	<b>DECODE</b>	Deciphering Mechanisms of ECT Outcomes and Adverse Effects
<b>ACF</b>	Administration for Children and Families	<b>FEMA</b>	Federal Emergency Management Agency
<b>ACT</b>	Assertive Community Treatment	<b>FEP</b>	First Episode Psychosis
<b>AHRQ</b>	Agency for Healthcare Quality and Research	<b>HHS</b>	Health and Human Services
<b>APD</b>	Albuquerque Police Department	<b>HMS</b>	Hidalgo Medical Services
<b>AWARE</b>	Advancing Wellness and Resilience in Education	<b>HNL</b>	Honoring Native Life
<b>BC</b>	Bernalillo County	<b>HRSA COE</b>	Health Resources and Services Administration - Centers of Excellence
<b>BHS</b>	Behavioral Health Services	<b>HSC</b>	UNM Health Sciences Center
<b>BHSD</b>	Behavioral Health Services Division	<b>HSD</b>	New Mexico Human Services Division
<b>CBH</b>	UNM HSC Division of Community Behavioral Health	<b>HSP</b>	Health Services Psychology
<b>CBHTR</b>	Consortium for Behavioral Health Training and Research	<b>IHS</b>	Indian Health Services
<b>CCM</b>	Cerebral Cavernous Malformation	<b>INBRE</b>	IDeA Networks of Biomedical Research Excellence
<b>CCSS</b>	Comprehensive Community Support Services	<b>LEA</b>	Local Education Agency
<b>CHR</b>	Clinical High Risk	<b>LEAD</b>	Law Enforcement Assisted Diversion
<b>CIT</b>	Crisis Intervention Training	<b>MAT</b>	Medication Assisted Treatment
<b>COD</b>	Co-occurring SMI And Substance Use Disorder	<b>MST</b>	Multisystemic Therapy
<b>CONNECT</b>	Collaborative Interdisciplinary Evaluation and Community-based Treatment	<b>NIDA</b>	National Institute on Drug Abuse
<b>CSC</b>	Coordinated Specialty Care	<b>NIMH</b>	National Institute of Mental Health
<b>CTC</b>	Crisis Triage Center	<b>NM DOH</b>	New Mexico Department of Health
<b>CTSC</b>	Clinical and Translational Science Center	<b>NMBHPC</b>	New Mexico Behavioral Health Planning Council
<b>CYFD</b>	Children, Youth and Family Division	<b>NMCAL</b>	New Mexico Crisis Access Line
		<b>OPTIMMAL</b>	Optimal Policies to Improve Methadone Maintenance Adherence Longterm

<b>ODD</b>	Opioid Use Disorder
<b>PCSS</b>	UNM Provider's Clinical Support System
<b>PED</b>	New Mexico Public Education Department
<b>RDD</b>	Optimizing Retention, Duration, and Discontinuation Strategies for Opioid Use Disorder pharmacotherapy
<b>SAMSHA</b>	Substance Abuse Mental Health Services Administration
<b>SED</b>	Serious Emotional Disturbance
<b>SHAC</b>	Student Health and Counseling
<b>SMI</b>	Serious Mental Illness
<b>SOC</b>	System of Care
<b>SOR</b>	State Opioid Response
<b>SUD</b>	Substance Use Disorder
<b>TBHCE</b>	Tele-behavioral Health Center of Excellence
<b>TREE</b>	Transdisciplinary Research, Equity and Engagement
<b>UNMH</b>	University of New Mexico Hospital
<b>ZS</b>	Zero Suicide





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