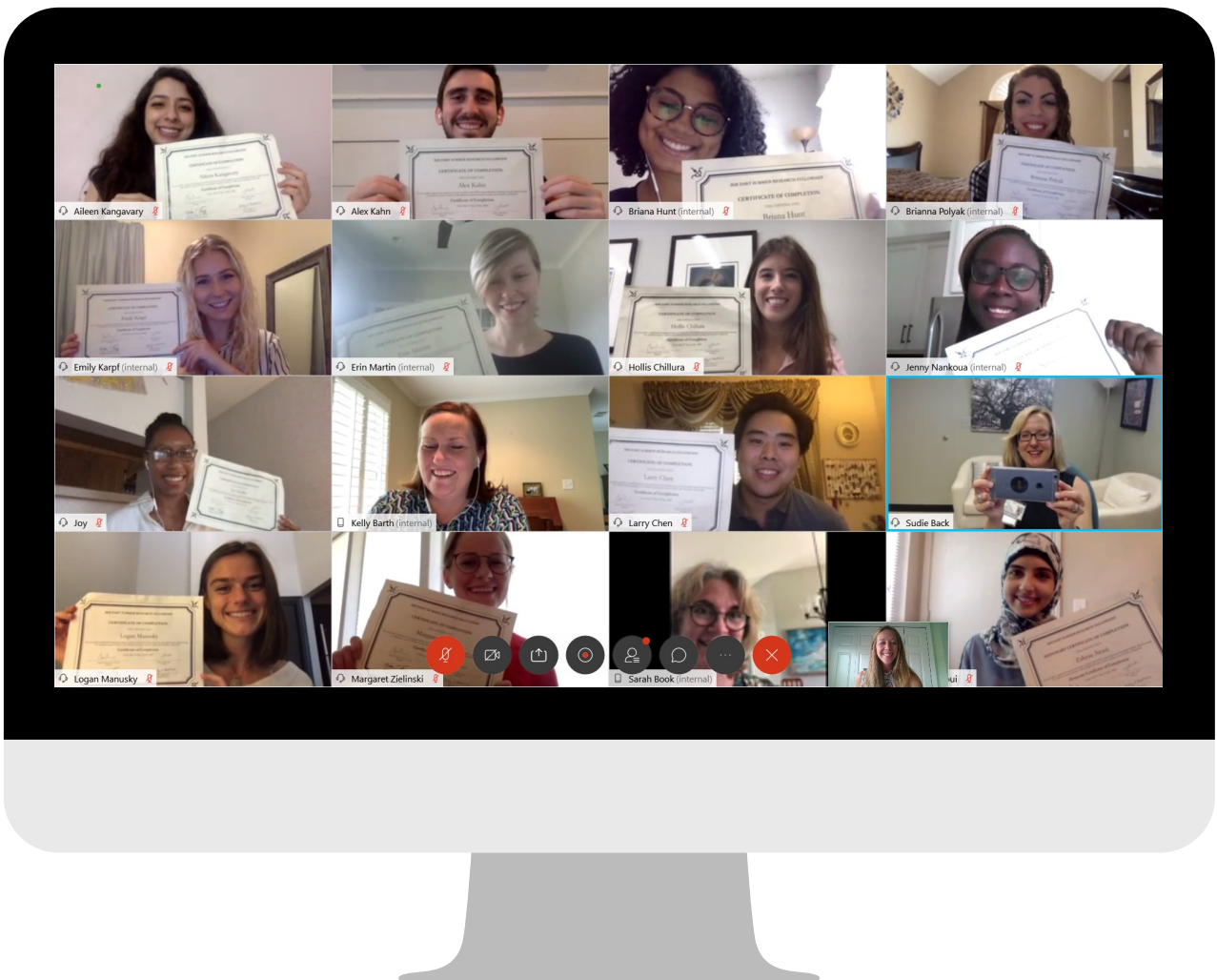


SPRING 2021

THE DART NEWSLETTER

Updates from the Drug Abuse Research Training Program at
the Medical University of South Carolina (R25 DA020537)



Virtual Training & Beyond

Adapting to remote learning and research training has presented unique challenges over the last year. Even so, DART trainees and alumni have continued to thrive.



Resident Research Track

FLEX Elective

Summer Research Program

Resident Research Track

CONGRATULATIONS, GRADUATES



Sean Christensen, M.D. will be working in the Outpatient Clinic and providing TMS coverage at the Philadelphia VA Medical Center in Pennsylvania and will continue his research in voice analysis.

Lauren Das, M.D., M.S.C.R. will be joining Sweetgrass Psychiatry in Mount Pleasant, South Carolina.

Mike Norred, M.D. accepted a position in Primary Care Mental Health Integration (PCMHI) with the James A. Haley VA Hospital and will also continue research in TMS in Tampa, Florida.

Patrick Robbins, M.D. accepted a Forensic Psychiatry Fellowship at Emory University in Atlanta, Georgia.

CURRENT TRAINEES



Corey Hassell, M.D. is mentored by Jacobo Mintzer, M.D. & Jessica Broadway, M.D. He will be focusing on adverse outcomes associated with dementia and opioid use for his DART project.

Manish Karamchandani, M.D. is mentored by Robert Malcolm, M.D. & Jennifer Jones, M.D. He will be investigating sex differences in ketamine treatment.

Emily Whisler, D.O. is mentored by McLeod Frampton Gwynette, M.D. & Laura Carpenter, Ph.D. Her DART project focuses on Autistic females and sexual health and knowledge.



NEW RESIDENTS

The DART Program is excited to welcome our newest resident trainees:

Chris Austelle, M.D., mentored by Mark George, M.D., Tom Uhde, M.D., Baron Short, M.D., & Bashar Badran, Ph.D.

Anna Ehrhardt, M.D., mentored by Lisa McTeague, Ph.D.

Daniel Hashemi, M.D., mentored by Kevin Gray, M.D.

FLEX Research Elective

CURRENT TRAINEES

The FLEX Research Elective is a 13-week training open to College of Medicine Students at MUSC.



Jelissa Suarez is a second year medical student at MUSC. She completed her undergraduate education at the University of South Carolina Honors College and has experience in medical interpretation, public health work with migrant farm workers, and international missions. Jelissa will be mentored by Tom Uhde, M.D. during her FLEX Elective with the DART Program, investigating sleep inertia among medical personnel. This project will consist of 4 primary phases: developing a sleep inertia questionnaire (SIQ) for medical personnel, administering the SIQ, determining whether the SIQ predicts objective findings of cognitive and motor performance impairment under controlled conditions, and finally, determining the impact of sleep deprivation on performance with and without sleep inertia.

Alumni Updates

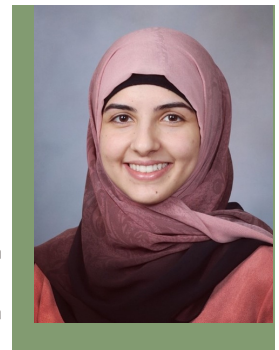
MATCH MADE!

Zahraa Atoui, M.D.

2020 DART Summer Fellow

Mentored by Amber Jarnecke, Ph.D.

Zahraa Atoui, M.D. graduated medical school from the American University of Beirut, Lebanon. During her DART Summer Training, Zahraa worked with Dr. Amber Jarnecke to explore the neural reactivity in response to trauma and alcohol cues in patients with comorbid alcohol use disorder (AUD) and post-traumatic stress disorder (PTSD), using functional MRI. She is currently working on a manuscript from the results. Zahraa continued to collaborate with her mentor on another fMRI project, the CIRCUITS Study, which examines brain activation and behavioral responses to in-scanner tasks, in comorbid AUD and PTSD. Zahraa recently matched into her first choice for residency, where she will be starting her psychiatry training at MUSC in July.

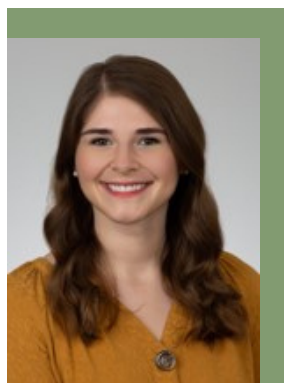


MATCH MADE!

Carlisle Hiott, M.D.

2018 DART Summer Fellow

*Mentored by
Connie Guille, M.D.,
& Bernadette
Cortese, Ph.D.*



Carlisle Hiott, M.D. completed the DART Summer Research Fellowship program in 2018, working with Drs. Cortese and Guille. She decided to pursue a career in psychiatry and served as the Community Outreach Coordinator for the Student Psychiatry Interest Group (SPIG) for the 2020-2021 school year. Carlisle, along with other SPIG members, led a mental health discussion for local 7th grade students and joined College of Medicine volunteers in improving the rooms and halls of the child and adolescent psychiatric unit in the Institute of Psychiatry. She graduated in May 2021 and is excited to be staying at MUSC for residency.



NEW FACULTY

Delisa Brown, Ph.D.

2014 DART Summer Fellow

*Mentored by Bryan
Tolliver, M.D., Ph.D.*

Congratulations to Delisa Brown, Ph.D. who was recently appointed Assistant Professor!

Dr. Brown is continuing her research at MUSC under the mentorship of Dr. Sudie Back. She is currently examining the impact of race-related stress among individuals with alcohol use disorder and PTSD to understand the behavioral and neurobiological underpinnings of experiences of racial discrimination in African Americans and other racial minorities. She is also investigating stress and craving among individuals with opioid use disorder as well as sex differences.

UPCOMING PRESENTATIONS

Since 2006, DART trainees and alumni have delivered over 550 presentations, both in person and virtually. Be sure to visit them at these upcoming conferences!

34TH ANNUAL UPDATE IN PSYCHIATRY AT MUSC

JUNE 10-11, 2021 - VIRTUAL

Jennifer Jones, M.D.

Psychedelics in Psychiatry Session: Catalyzing Change: The Importance of Therapy in Psychedelic Paradigms

Oral Presentation - Friday, June 11, 2021 - 10:15a.m.-11:15a.m.

AMERICAN DELIRIUM SOCIETY ANNUAL MEETING

JUNE 13-15, 2021 - VIRTUAL

Patrick Robbins, M.D.

Temporal Relationship of Benzodiazepines and Hospital Delirium

Poster Presentation & Discussion - Tuesday, June 15, 2021 - 8:00a.m.-10:00a.m.

Ben Kalivas, M.D.

The Effect of Delirium and In-Hospital Falls on Length of Stay and Discharge Disposition

Poster Presentation & Discussion - Tuesday, June 15, 2021 - 8:00a.m.-10:00a.m.

COLLEGE ON PROBLEMS OF DRUG DEPENDENCE

JUNE 21-24, 2021 - VIRTUAL

Irene Pericot-Valverde, Ph.D.

Diagnostic Accuracy of the BDI-II and its Relationship to Direct-Acting Antivirals Adherence: Implications for Hepatitis C Treatment Among People Who Inject Drugs on Medications for Opioid Use Disorder

Poster Presentation - Wednesday, June 23, 2021 - 3:00p.m.-4:00p.m.

Changes in Depressive and Anxiety Symptoms Among People who Inject Drugs With and Without Opioid Use Disorder Treated for Hepatitis C Virus

Panel Speaker: Living Hep C Free - Wednesday, June 23, 2021 - 10:00a.m.-11:00a.m.

Lauren Das, M.D.

Mental Health During the COVID-19 Pandemic: An Institutional Survey of Medical Resident Stress, Depression, and Alcohol Consumption

Oral & Poster Presentation - Monday, June 21, 2021 - 2:12p.m.-2:24p.m.

Erin Martin, B.A.

Endogenous and Exogenous Oxytocin Differentially Impact Stress Response on the Basis of Childhood Trauma Exposure

Poster Presentation - Monday, June 21, 2021 - 3:00p.m.-4:00p.m.

Caitlyn Hood, M.S.

Results of the 2020 CPDD Membership Survey: We Are More Diverse Than Suggested by Earlier Survey Approaches

Oral & Poster Presentation - Monday, June 21, 2021 - 2:50p.m.-2:55p.m.

SELECT PUBLICATIONS

Zuschlag ZD, Compean E. Nietert P, Lauzon S, Hamner M, Wang Z. Dopamine Transporter (DAT1) Gene in Combat Veterans with PTSD: A Case-Control Study. *Psychiatry Research*. 2021;298:113801.

Saraiya TC, Jarnecke AM, **Jones J, Brown DG**, Brady KT, Back SE. Laboratory-induced stress and craving predict opioid use during follow-up among individuals with prescription opioid use disorder. *Drug Alcohol Dependence*. 2021 May 21;225:108755.

Williams NR, Sudheimer KD, Cole EJ, Varias AD, Goldstein-Piekarski AN, Stetz P, Lombardi A, Filippou-Frye M, van Roessel P, Anderson K, McCarthy EA, Wright B, Sandhu T, Menon S, Jo B, Koran L, Williams LM, Rodriguez CI. Accelerated Neuromodulation Therapy for Obsessive-Compulsive Disorder. *Brain Stimulation*. 2021;14(2):435-7.

Oros SM, Christon LM, **Barth KS**, Berini CR, **Padgett BL**, Diaz VA. Facilitators and Barriers to Utilization of Medications for Opioid Use Disorder in Primary Care in South Carolina. *International Journal of Psychiatry in Medicine*. 2021;56(1):14-39.

Fadus MC, Valadez EA, Bryant BE, Garcia AM, Neelon B, Tomko RL, Squeglia LM. Racial Disparities in Elementary School Disciplinary Actions: Findings From the ABCD Study. *Journal of the American Academy of Child and Adolescent Psychiatry*. 2020 Dec 24;S0890-8567(20)32213-9.

Fadus M, Hung K, Casoy F. Care Considerations for LGBTQ Patients in Acute Psychiatric Settings. *American Journal of Psychiatry: Focus*. 2020 Jul;18(3):285-288.

Brown DG, Flanagan JC, Jarnecke A, Killeen TK, Back SE. Ethnoracial differences in treatment-seeking veterans with substance use disorders and co-occurring PTSD: Presenting characteristics and response to integrated exposure-based treatment. *Journal of Ethnicity in Substance Abuse*. 2020 Oct 28:1-24.

Kinzie JM, DeJong SM, Edgar L, Houston LJ, Janssen F, Macaluso M, Aoun EG, **Bowen L**, Keepers G, Bentman AL, Cowley DS. Psychiatry Milestones 2.0: Using the Supplemental Guide to Create a Shared Model of the Development of Professional Identity and Expertise. *Academic Psychiatry*. 2021:1-6.

Brown JC, Yuan S, DeVries WH, Armstrong NM, Korte JE, **Sahlem GL**, Carpenter LL, George MS. NMDA-Receptor Agonist Reveals LTP-like Properties of 10-Hz rTMS in the Human Motor Cortex. *Brain Stimulation*. 2021.

Spindle, TR, **Martin, EL**, Grabenauer, M, Woodward, T, Milburn, MA, Vandrey, R. Assessment of Cognitive and Psychomotor Impairment, Subjective Effects, and Blood THC Concentrations Following Acute Administration of Oral and Vaporized Cannabis. *Journal of Psychopharmacology*. 2021.

SELECT PRESENTATIONS

Saraiya TC, Jarnecke A, **Jones J, Brown DG**, Brady KT, & Back SE. (June, 2021). Laboratory-induced stress and craving predict opioid use during follow-up among individuals with prescription opioid use disorder. Poster to be presented to the annual meeting of the College on Problems of Drug Dependence.

Williams N. (2021, May). Using Rapid-Acting Brain Stimulation for Treatment Resistant Depression. Presented virtually at the BBR Foundation monthly webinar series.

Jones J & Malcolm R. (2021, April). Psychedelic Psychiatry: Novel Emerging Treatments Involving Non-Ordinary States of Consciousness. Presented virtually at MUSC's Psychiatry Grand Rounds Series.

Christensen S. (2021, February). You Sound Different - Voice as a Biomarker in Mental Health. Presented virtually at the MUSC's Psychiatry Grand Rounds.

Rodes J, Crouch T, **Barth K**. (2021, January). Gender differences in Outcomes of Interdisciplinary Pain Rehabilitation. Poster presented virtually at the South Carolina Psychiatric Association Annual Meeting.

Smith A. & **Oros S**. (2021, January). Major Medical Updates for the General Psychiatrists. Presented virtually at the 2021 South Carolina Psychiatric Association Annual Meeting.

Lewis AL. (2021, January). New Long-Acting Stimulant Medications. Presented virtually at the 2021 South Carolina Psychiatric Association Annual Meeting.

Brown DG, Joseph JE, Taimina L, Crum KL, Lohnes L, & Back SE. (2020, June). Race effects in neural cue reactivity to trauma cues in AUD and comorbid PTSD: An exploratory study. Presented virtually at the annual meeting of the Research Society on Alcoholism.

Crum K, Joseph J, Jarnecke, AM, Lohnes L, Ross-Simmons S, **Hohmeister M, Brown DG**, Taimina L, Aloï J, Saraiya T, & Back SE. (2020, June). Sex Differences in Reward and Attention Neurocircuitries Among Individuals with PTSD and Substance Use Disorder. Presented virtually at the annual meeting of the College on Problems of Drug Dependence.



Ben Kalivas, M.D. received the Clinical Preceptor Excellence in Teaching Golden Apple award.

Julia Rodes won 1st place in the SCPA Poster Competition at the 2021 Annual Meeting.

Julia West, M.D. was recognized as an MUSC Safety Hero.

DART Trainee awards and scholarship

Emily Whisler, D.O. was appointed Chief Resident.

At the 2020 AAAP Annual Meeting, **Michael Capata, M.D.** received a Poster Award and Regional Award for his leadership in the field of addiction.

Brianna Hunt won 1st Place for her oral presentation at MUSC's 2020 Perry Halushka Research Day.

Kelly Barth, D.O. received the Research Excellence Award from the College of Medicine.

Upcoming Conferences

**The College on Problems of Drug Dependence
83rd Annual Meeting**
June 21-24, 2021
Virtual

**Research Society on Alcoholism
44th Scientific Meeting/ISBRA Congress**
June 19-23, 2021
Virtual

The 57th Perry V. Halushka Research Day
November 2021
Medical University of South Carolina
Virtual

**American Academy of Addiction Psychiatry
32nd Annual AAAP Meeting**
December 9-12, 2021
Virtual

**American College of Neuropsychopharmacology
59th Annual Meeting**
December 5-8, 2021
Puerto Rico

Loan Repayment Program (LRP)

The Clinical Research Loan Repayment Program is a vital component of our nation's efforts to attract health professionals to careers in clinical research. In exchange for a two-year commitment to clinical research, NIH will repay up to \$35,000 per year of qualified educational debt, pay an additional 39% of the repayments to cover Federal taxes, and may reimburse state taxes that result from these payments. To participate, you must conduct clinical research for 50% or more of your total effort (average at least 20 hours per week) during each quarterly service period. Examples of DART alumni who completed the LRP are Drs. Kelly Barth, Bryan Tolliver, Jennifer Jones, & Joshua Brown.

For more information, please visit <http://www.lrp.nih.gov>



The DART Program at the Medical University of South Carolina is directed by Drs. Sudie Back, Sarah Book, Kelly Barth, Colleen Halliday, & Kathleen Brady. For more information, please contact DART Program Coordinator, Emily Bristol (DART@musc.edu).

For additional information or to apply, please visit our website, medicine.musc.edu/DART