

Stanford



Claudia Beatriz Padula

Assistant Professor of Psychiatry and Behavioral Sciences (Public Mental Health and Population Sciences)

 Curriculum Vitae available Online

Bio

ACADEMIC APPOINTMENTS

- Assistant Professor - University Medical Line, Psychiatry and Behavioral Sciences
- Member, Bio-X
- Member, Wu Tsai Human Performance Alliance
- Member, Wu Tsai Neurosciences Institute

Research & Scholarship

CLINICAL TRIALS

- Examining the Effectiveness of Deep TMS in Veterans With Alcohol Use Disorder, Not Recruiting

Teaching

COURSES

2025-26

- Think Before You Drink: Neurocircuitry of Alcohol Use Across the Developmental Lifespan: PSYC 17N (Win)

2024-25

- Think Before You Drink: Neurocircuitry of Alcohol Use Across the Developmental Lifespan: PSYC 17N (Win)

2023-24

- Think Before You Drink: Neurocircuitry of Alcohol Use Across the Developmental Lifespan: PSYC 17N (Win)

STANFORD ADVISEES

Postdoctoral Faculty Sponsor

William Craft III, Graham Warner

Publications

PUBLICATIONS

- **Effects of intermittent theta burst on multiple measures of craving in those with alcohol use disorder.** *Journal of studies on alcohol and drugs*
Durazzo, T. C., Humphreys, K., Padula, C. B.
2025
- **Sleep Disturbances Across the Addiction Stages: A Review of Alcohol, Cannabis and their Co-Use** *CURRENT ADDICTION REPORTS*

- Padula, C. B., Grayson, A., Izabel, S., Tenekedjieva, L., Zhang, E., Goldstein-Piekarski, A. N.
2025; 12 (1)
- **Developing a reverse translational model of low-intensity rTMS in alcohol use disorder: The influence of theta burst stimulation protocols on binge alcohol drinking in mice.** *Transcranial magnetic stimulation (2024)*
Dhungana, A., McCalley, D. M., Heath, A. M., Kraybill, E. P., Mojabi, F. S., Morales, J. M., Morningstar, A. R., Davis, A. K., Padula, C. B., Giardino, W. J., McNerney, M. W.
2025; 4
 - **Illuminating posterior targets for transcranial magnetic stimulation beyond the prefrontal cortex** *NATURE MENTAL HEALTH*
McCalley, D. M., Sanderson, L. L., Dowdle, L. T., Padula, C. B., Siddiqi, S. H., Ellard, K. K., Taylor, J. J.
2025
 - **Intermittent theta burst to the left dorsolateral prefrontal cortex promoted decreased alcohol consumption and improved outcomes in those with alcohol use disorder: A randomized, double-blind, placebo-controlled clinical trial.** *Drug and alcohol dependence*
Durazzo, T. C., Kraybill, E. P., Stephens, L. H., McCalley, D. M., Humphreys, K., May, A. C., Padula, C. B.
2025; 270: 112641
 - **Rethinking gender differences: An investigation of comorbid psychopathology and alcohol use disorder in veterans.** *Alcohol, clinical & experimental research*
Craft, W. H., Padula, C. B.
2025
 - **Effects of intermittent theta burst to the left dorsolateral prefrontal cortex on brain volumes and neurometabolites in people with alcohol use disorder: a preliminary investigation.** *Frontiers in human neuroscience*
Durazzo, T. C., Bearegard, L. H., Gu, M., Kraybill, E. P., Joseph, B. D., Herrold, A. A., Humphreys, K., McNerney, M. W., Knutson, B., Padula, C. B.
2025; 19: 1613993
 - **Two Faces of Reward: Alcohol-Cue and Monetary Assessment of Reward Circuit Functioning Reveals Neural Predictors of Relapse in Alcohol Use Disorder**
Padula, C., MacNiven, K., Tenekedjieva, L., McCalley, D., Knutson, B., Williams, L.
SPRINGERNATURE.2024: 217-218
 - **Females Experience Greater Clinical Benefit from TMS for AUD: A Translational Analysis of Sex-Differences in Preclinical and Clinical Treatment Outcomes**
McCalley, D., Hanlon, C., Giardino, W. J., McNerney, M., Padula, C.
SPRINGERNATURE.2024: 230-231
 - **Accelerated Deep TMS in Alcohol Use Disorder: A Preliminary Pilot Trial Targeting the Dorsal Anterior Cingulate Cortex Increases Neural Target Engagement and Abstinence.** *Brain stimulation*
Padula, C. L., Tenekedjieva, L. E., McCalley, D. A., Morales, J. A., Madore, M. I.
2024
 - **Context matters: Exploring the adaptive nature of self-regulation skills in predicting abstinence among veterans with alcohol use disorder.** *Alcohol, clinical & experimental research*
Dwyer, C. L., Padula, C. B.
2024
 - **Transdiagnostic Mood, Anxiety and Trauma Symptom Factors in Alcohol Use Disorder: Neural Correlates Across Three Brain Networks.** *Biological psychiatry. Cognitive neuroscience and neuroimaging*
Tenekedjieva, L. T., McCalley, D. M., Goldstein-Piekarski, A. N., Williams, L. M., Padula, C. B.
2024
 - **Inviting Veterans InTo Enrollment in Alzheimer's Disease Research Centers (INVITE-ADRC): An NIA and VA-sponsored initiative to increase veteran participation in aging and dementia research.** *Alzheimer's & dementia : the journal of the Alzheimer's Association*
Padula, C. B., Ball, S., Wyman, M. F., Evans, K., Grant, H., Periyakoil, V. S., Zhu, C. W., Yaffe, K., Huang, G. D.
2024
 - **A pilot, randomized clinical trial: Left dorsolateral prefrontal cortex intermittent theta burst stimulation improves treatment outcomes in veterans with alcohol use disorder.** *Alcohol, clinical & experimental research*
Padula, C. B., McCalley, D. M., Tenekedjieva, L., MacNiven, K., Rauch, A., Morales, J. M., Knutson, B., Humphreys, K., Williams, L. M., Durazzo, T. C.

2024; 48 (1): 164-177

- **Left Dorsolateral Prefrontal Cortex Intermittent Theta Burst Stimulation Improves Treatment Outcomes in Veterans With Alcohol Use Disorder: A Randomized, Sham-Controlled Clinical Pilot Trial**
McCalley, D., Tenekedjieva, L., MacNiven, K., Rauch, A., Morales, J., Knutson, B., Humphreys, K., Williams, L., Durazzo, T., Padula, C.
SPRINGER NATURE.2023: 449
- **Preliminary Results of Deep Transcranial Magnetic Stimulation to the Dorsal Anterior Cingulate Cortex Reveal Increased Neural Target Function and Abstinence in Veterans with Alcohol Use Disorder**
Padula, C., McCalley, D., Tenekedjieva, L., Morales, J., Madore, M.
SPRINGER NATURE.2023: 448
- **BDNF rs6265 Met carriers with alcohol use disorder show greater age-related decline of N-acetylaspartate in left dorsolateral prefrontal cortex. *Drug and alcohol dependence***
Durazzo, T. C., McNerney, M. W., Hansen, A. M., Gu, M., Sacchet, M. D., Padula, C. B.
2023; 248: 109901
- **Brain tract structure predicts relapse to stimulant drug use. *Proceedings of the National Academy of Sciences of the United States of America***
Tisdall, L., MacNiven, K. H., Padula, C. B., Leong, J. K., Knutson, B.
2022; 119 (26): e2116703119
- **Active Cigarette Smoking Is Associated With Increased Age-Related Decline on Measures of Visuospatial Learning and Memory and Executive Function in Alcohol Use Disorder. *Alcohol and alcoholism (Oxford, Oxfordshire)***
Padula, C. B., Durazzo, T. C.
2022
- **Transdiagnostic Versus Traditional Diagnostic Approaches to Psychiatric Symptoms in Alcohol Use Disorder: Associations With Emotion Regulation and Salience Network Function**
Tenekedjieva, L., Goldstein-Piekarski, A. N., Madore, M. R., Kaur, M., Coffigny, M., Padula, C. B.
ELSEVIER SCIENCE INC.2022: S104
- **Targeting the Salience Network: A Mini-Review on a Novel Neuromodulation Approach for Treating Alcohol Use Disorder. *Frontiers in psychiatry***
Padula, C. B., Tenekedjieva, L., McCalley, D. M., Al-Dasouqi, H., Hanlon, C. A., Williams, L. M., Kozel, F. A., Knutson, B., Durazzo, T. C., Yesavage, J. A., Madore, M. R.
2022; 13: 893833
- **The Role of Neural Reward Expectancy and Valuation in Readiness to Change Among Treatment Seeking Veterans With Alcohol Use Disorder (AUD)**
Hagerty, S. L., Durazzo, T. C., Williams, L. M., Padula, C. B.
ELSEVIER SCIENCE INC.2021: S342
- **Dimensions of Craving Interact with COMT Genotype to Predict Relapse in Individuals with Alcohol Use Disorder Six Months after Treatment. *Brain sciences***
Padula, C. B., Hansen, A., Hughes, R. L., McNerney, M. W.
2021; 11 (1)
- **Heart Rate, Brain Imaging Biomarkers and Cognitive Impairment in Older (>= 63 years) Women *AMERICAN JOURNAL OF CARDIOLOGY***
Haring, B., Liu, J., Rapp, S. R., Shimbo, D., Padula, C. B., Mozhui, K., Li, W., Espeland, M., Wassertheil-Smoller, S.
2020; 129: 102-108
- **Predicting relapse after alcohol use disorder treatment in a high-risk cohort: The roles of anhedonia and smoking. *Journal of psychiatric research***
Nguyen, L., Durazzo, T. C., Dwyer, C. L., Rauch, A. A., Humphreys, K., Williams, L. M., Padula, C. B.
2020; 126: 1-7
- **NEUROPHYSIOLOGICAL CORRELATES OF REWARD ANTICIPATION AND ANHEDONIA IN VETERANS WITH ALCOHOL USE DISORDER**
Rauch, A., Williams, L., Dwyer, C., Linh-Chi Nguyen, Padula, C.
WILEY.2019: S119
- **Brain activation to cannabis- and alcohol-related words in alcohol use disorder. *Psychiatry research. Neuroimaging***
Müller-Oehring, E. M., Berre, A. L., Serventi, M. n., Kalon, E. n., Haas, A. L., Padula, C. B., Schulte, T. n.

2019; 294: 111005

- **Mean Heart Rate and Brain Morphology in Elderly Women Without a History of Cardiovascular Disease**
Haring, B., Liu, J., Shimbo, D., Padula, C. B., Li, W., Mozhui, K., Rapp, S., Espeland, M., Wassertheil-Smoller, S.
LIPPINCOTT WILLIAMS & WILKINS.2019
- **Association of Neural Responses to Drug Cues With Subsequent Relapse to Stimulant Use** *JAMA Netw Open*
MacNiven, K. H., Jensen, E. L., Borg, N., Padula, C. B., Humphreys, K., Knutson, B.
2018
- **Blunted amygdala functional connectivity during a stress task in alcohol dependent individuals: A pilot study.** *Neurobiology of stress*
Wade, N. E., Padula, C. B., Anthenelli, R. M., Nelson, E., Eliassen, J., Lisdahl, K. M.
2017; 7: 74-79
- **The association between an inflammatory diet and global cognitive function and incident dementia in older women: The Women's Health Initiative Memory Study** *ALZHEIMERS & DEMENTIA*
Hayden, K. M., Beavers, D. P., Steck, S. E., Hebert, J. R., Tabung, F. K., Shivappa, N., Casanova, R., Manson, J. E., Padula, C. B., Salmoirago-Blotcher, E., Snetselaar, L. G., Zaslavsky, O., Rapp, et al
2017; 13 (11): 1187-1196
- **Cannabis use patterns and motives: A comparison of younger, middle-aged, and older medical cannabis dispensary patients** *ADDICTIVE BEHAVIORS*
Haug, N. A., Padula, C. B., Sottile, J. E., Vandrey, R., Heinz, A. J., Bonn-Miller, M. O.
2017; 72: 14-20
- **Utilizing a transdiagnostic neuroscience-informed approach to differentiate the components of a complex clinical presentation: A case report.** *Personalized medicine in psychiatry*
Vanden Bussche, A. B., Haug, N. A., Ball, T. M., Padula, C. B., Goldstein-Pierarski, A. N., Williams, L. M.
2017; 3: 30-37
- **Long-term Effects on Cognitive Trajectories of Postmenopausal Hormone Therapy in Two Age Groups** *JOURNALS OF GERONTOLOGY SERIES A-BIOLOGICAL SCIENCES AND MEDICAL SCIENCES*
Espeland, M. A., Rapp, S. R., Manson, J. E., Goveas, J. S., Shumaker, S. A., Hayden, K. M., Weitlauf, J. C., Gaussoin, S. A., Baker, L. D., Padula, C. B., Hou, L., Resnick, S. M., WHIMSY WHIMS-ECHO Study Grp
2017; 72 (6): 838-45
- **Longitudinal Cognitive Trajectories of Women Veterans from the Women's Health Initiative Memory Study.** *Gerontologist*
Padula, C. B., Weitlauf, J. C., Rosen, A. C., Reiber, G., Cochrane, B. B., Naughton, M. J., Li, W., Rissling, M., Yaffe, K., Hunt, J. R., Stefanick, M. L., Goldstein, M. K., Espeland, et al
2016; 56 (1): 115-125
- **Alcohol Consumption Levels and All-Cause Mortality Among Women Veterans and Non-Veterans Enrolled in the Women's Health Initiative.** *Gerontologist*
Simpson, T. L., Rillamas-Sun, E., Lehavot, K., Timko, C., Rubin, A., Cucciare, M. A., Williams, E. C., Padula, C. B., Hunt, J. R., Hoggatt, K. J.
2016; 56: S138-49
- **Impact of Type 2 Diabetes and Postmenopausal Hormone Therapy on Incidence of Cognitive Impairment in Older Women.** *Diabetes care*
Espeland, M. A., Brinton, R. D., Hugenschmidt, C., Manson, J. E., Craft, S., Yaffe, K., Weitlauf, J., Vaughan, L., Johnson, K. C., Padula, C. B., Jackson, R. D., Resnick, S. M.
2015; 38 (12): 2316-2324
- **Craving is associated with amygdala volumes in adolescent marijuana users during abstinence.** *American journal of drug and alcohol abuse*
Padula, C. B., McQueeney, T., Lisdahl, K. M., Price, J. S., Tapert, S. F.
2015; 41 (2): 127-132
- **Gender effects in alcohol dependence: an FMRI pilot study examining affective processing.** *Alcoholism, clinical and experimental research*
Padula, C. B., Anthenelli, R. M., Eliassen, J. C., Nelson, E., Lisdahl, K. M.
2015; 39 (2): 272-281
- **Cognition and Competency Restoration: Using the RBANS to Predict Length of Stay for Patients Deemed Incompetent to Stand Trial** *CLINICAL NEUROPSYCHOLOGIST*
Ross, P. T., Padula, C. B., Nitch, S. R., Kinney, D. I.

