

Jasmin Elisa Guevara

Curriculum Vitae

jasmin.guevara@psych.utah.edu

Education

Clinical Psychology Doctoral Program Aug 2019 - Present

University of Utah, Salt Lake City, UT
Clinical Neuropsychology Track

Proposed Dissertation: *Assessing the relation of EEG midfrontal theta activity to neuropsychological and intra-individual measures of cognitive control*

Dissertation Committee: Matt Euler Ph.D. (Chair), Yana Suchy Ph.D., ABPP-CN, Kevin Duff Ph.D., ABPP-CN, Paula Williams Ph.D., Monika Lohani Ph.D.

Expected Dissertation Defense: May, 2024

Master of Science in Clinical Psychology May 2022

University of Utah, Salt Lake City, UT

Thesis: *Evaluating Physiological Correlates of Mental Effort During Cognitive Demand*

Bachelor of Science in Neuroscience May 2017

University of Delaware, Newark, DE

Bachelor of Arts in Psychology May 2017

University of Delaware, Newark, DE

Minor: Public Health

Awards and Scholarships

Service Commendation 2023

Department of Psychology, University of Utah

Student Travel Award 2021

College of Social and Behavioral Sciences, University of Utah

Clayton Research Fellowship - \$4,000 2020

Department of Psychology, University of Utah

Graduate Fellowship - \$4,000 2019

Department of Psychology, University of Utah

Summer Research Internship Program - (Fully funded) 2016

National Institute on Drug Abuse (NIDA)

HACEMOS Scholarship - \$1,500 2014

Hispanic Scholarship Fund

Clinical Experience

Primary Children's Hospital

July 2023 – Present

Salt Lake City, UT

Pediatric Neuropsychology Trainee

Supervisor: John Fulton, Ph.D., ABPP-CN

- Assist in neuropsychological evaluations with children and adolescents with acquired brain injury (e.g., TBI, stroke, encephalitis) or medical conditions affecting the central nervous system (e.g., epilepsy, congenital malformations)
- Participate in clinical interview, administration and scoring, report writing, and providing feedback to patients and families
- Administer, score, and interpret instruments including: WISC-V, WRAT-5, D-KEFS, NEPSY-II, Beery VMI, RCFT, ChAMP, BRIEF-2, BASC-3, PAI-A
- Provide neuropsychology consult services in multidisciplinary Spina Bifida clinic

Behavioral Health Dissemination and Innovation Center

July 2022 - Present

Salt Lake City, UT

Clinical Psychology Trainee

Supervisors: Brian Baucom, Ph.D., Fea Leifker, Ph.D.

- Administer cognitive behavioral therapy (CBT) with individual adult patients often presenting with depression and anxiety symptoms
- Conduct weekly clinical intake interviews using the Diagnostic Interview for Anxiety, Mood, and OCD, and Related Neuropsychiatric Disorders (DIAMOND) instrument

University of Utah Cognitive Concerns Clinic

Aug 2019 – Present

Salt Lake City, UT

Neuropsychology Trainee

Supervisors: Matt Euler, Ph.D., Yana Suchy, Ph.D., ABPP-CN

- Provide supervised in-person and telehealth neuropsychological assessments and screenings for neurodegenerative disorders, often with psychiatric complexity
- Provide tiered supervision to neuropsychology graduate students including for case conceptualization, report editing, and providing feedback

VA Salt Lake City Healthcare System

Feb 2023 – July 2023

Salt Lake City, UT

Neuropsychology Trainee

Supervisor: Joseph Kim, Ph.D.

- Provided supervised neuropsychology consult services to Veterans with cognitive and psychiatric difficulties in a multidisciplinary Neurology clinic
- Conducted brief clinical interviews, test administration and scoring, and report writing. Provided psychoeducation and feedback to patients
- Administered, scored, and interpreted instruments including: RBANS, MoCA, TMT, GDS, GAI

Huntsman Mental Health Institute
Department of Psychiatry
Salt Lake City, UT

July 2022 – July 2023

Neuropsychology Trainee

Supervisor: Joseph Kim, Ph.D.

- Provided supervised neuropsychological evaluations of memory disorders, acquired brain injuries, and ADHD, primarily with psychiatric complexity
- Independently led clinical interview, test administration and scoring, report writing, and feedback sessions
- Administered, scored, and interpreted instruments including: WAIS-IV, RBANS, CVLT-III, BVMT-R, HVLN-R, WMS-IV, BNT, COWAT, D-KEFS, TMT, JOLO, ToPF, WRAT-5, PAI, MMPI-2
- Administered CBT for ADHD psychotherapy protocol with individual adult patients
- Brain Wellness Program: Conducted brief neuropsychological assessments and CBT-informed psychotherapy focused on behavioral change for brain health in geriatric patients with Mild Cognitive Impairment
- Administered Structured Clinical Interview for DSM-5 Disorders (SCID-5) and other psychological assessment measures to control and patient subjects as part of Emotion Regulation and Depression in the Aging Brain Study (PIs: Vincent Koppelmans, Ph.D., Joseph Kim, Ph.D.)

University of Utah Pain Management Center

Aug 2022 – Dec 2022

Salt Lake City, UT

Clinical Psychology Trainee

Supervisor: Akiko Okifuji, Ph.D.

- Assisted in providing behavioral medicine assessment and CBT-based psychotherapy services to patients with chronic pain conditions

University of Utah Hospital

Aug 2022 – Dec 2022

Salt Lake City, UT

Neuropsychology Trainee

Supervisor: Michelle Miranda, Ph.D., MPH

- Assisted with Wada testing for mapping of language and memory functioning in presurgical epilepsy and other patients

University of Utah Health Sciences Center

Sept 2021 – June 2021

Department of Neurology – Cognitive Disorders Clinic

Salt Lake City, UT

Neuropsychology Trainee

Supervisor: Kevin Duff, Ph.D., ABPP-CN

- Participated in neuropsychological evaluations including clinical interview and report writing
- Provided supervised assessments for patients with memory and other neurocognitive concerns and provided pre-surgical evaluations for patients with essential tremor and Parkinson's Disease seeking DBS/FUS treatment

- Participated in multidisciplinary team meetings as neuropsychology consult to determine patient eligibility for DBS/FUS treatment

Huntsman Mental Health Institute

Aug 2021 – April 2022

Salt Lake City, UT

Clinical Psychology Extern

Supervisors: Brian Augustyn, Ph.D., Lisa Foley, PsyD

- Co-facilitated DBT-informed coping skills groups for adult inpatients, children ages 5-11, and parent behavior training groups

University of Utah Counseling Center

Aug 2020 – April 2021

Salt Lake City, UT

Psychological Assessment Practicum Trainee

Supervisor: Feea Leifker, Ph.D.

- Conducted weekly CBT psychotherapy sessions with undergraduate and graduate students through the University Counseling Center
- Conducted bi-weekly intake interviews with students seeking psychology services
- Created Crisis Response Plans with students experiencing active suicidal ideation

University of Utah Counseling Center

Aug 2020 – April 2021

Salt Lake City, UT

CBT Practicum Trainee

Supervisors: Scott Langenecker, Ph.D., Sommer Thorgusen, Ph.D.

- Conducted supervised psychological assessments with undergraduate and graduate students through the University Counseling Center
- Independently conducted clinical interview, test selection, administration, and scoring, report writing, and providing feedback
- Administered, scored, and interpreted instruments including: WAIS-IV, WIAT-4, NDRT, MMPI-2, MMPI-2-RF, CAARS-S:L, BAI, BDI-II

Peer-Reviewed Publications

Guevara, J. E., Kurniadi, N., & Duff, K. (2023). Assessing change in Mild Cognitive Impairment with estimated standardized regression-based formulas. *Journal of Alzheimer's Disease, 95*(2), 509-521. <https://doi.org/10.3233/JAD-230160>

Guevara, J. E. & Murdock, K. W. (2020). Executive functioning and rumination as they relate to stress-induced cortisol curves. *Journal of Behavioral Medicine, 43*(5), 829-838. <https://doi.org/10.1007/s10865-019-00119-z>

Guevara, J. E., Gilbert, S., Murdock, K. W., Stowe, R. P., & Fagundes, C. P. (2019). Sex differences in executive functioning and latent herpesvirus reactivation in bereaved and non-bereaved individuals. *Stress and Health, 35*, 396-406. <https://doi.org/10.1002/smi.2867>

Guevara, J. E. & Murdock, K. W. (2019). High social strain and physical health: Examining the roles of anxious arousal and IL-6. *Psychoneuroendocrinology*, *106*, 155-160.
<https://doi.org/10.1016/j.psyneuen.2019.04.005>

Somkuwar, S. S., Vendruscolo, L. F., Fannon, M. J., Schmeichel, B. E. Nguyen, T. B., **Guevara, J. E.**, Sidhu, H., Contet, C., Zorrilla, E. P., Mandyam, C. D. (2017). Abstinence from prolonged ethanol exposure affects plasma corticosterone, glucocorticoid receptor signaling and stress-related behaviors. *Psychoneuroendocrinology*, *84*, 17-31.
<https://doi.org/10.1016/j.psyneuen.2017.06.006>

Manuscripts Under Review

Guevara, J. E. & Euler, M. J. (under review). EEG Midfrontal theta and related signals as markers of cognitive control: Applications to neuropsychology. *Neuropsychologia*.

Kurniadi, N. E., **Guevara, J. E.**, & Duff, K. (under review). Cognitive decline in Mild Cognitive Impairment: Differences between those who remain stable versus those who progress to dementia. *Journal of the International Neuropsychological Society*.

Euler, M., J. Vehar, J. V., **Guevara, J. E.**, Geiger, A., & Lohse, K. (under review). Associations between the resting EEG aperiodic slope and broad domains of cognitive ability. *Psychophysiology*.

Weymann, T., Achenbach, J., **Guevara, J. E.**, Bassler, M., Karst, M., & Lambrecht, A. & (under review). EMG measured reaction time as a predictor of invalid symptom report in psychosomatic patients. *The Clinical Neuropsychologist*.

Manuscripts In Preparation

Guevara, J. E., DesRuisseaux, L. A., Gereau Mora, M., Euler, M. J., Suchy, Y. (in preparation). A potential measure of premorbid functioning: Evaluating the construct validity of the Author and Magazine Recognition Tests

DesRuisseaux, L. A., **Guevara, J. E.**, & Duff, K. (in preparation). Examining the stability and predictive utility of across- and within-domain intra-individual variability in Mild Cognitive Impairment.

Euler, M., J. **Guevara, J. E.**, Vehar, J. V., Geiger, A., & McKinney, T. (in preparation). Effects of signal processing and analytic strategies on individual differences in mid-frontal theta power and cognitive control.

Geiger, A., **Guevara, J. E.**, Vehar, J. V., Suhrie, K., Dixon, A., Duff, K., & Euler, M. J. (in preparation). Evaluating the N4 effect event-related potential as an electrophysiological marker in Alzheimer's Disease.

Book Chapters

Euler, M. J., Vehar, J. V., & **Guevara, J. E.** (2023). Theories of Intelligence. *Handbook of Clinical Child Psychology: Theory to Practice*. J. Matson (Ed.). Springer.

Conference Presentations

Guevara, J. E., Cassim, T., Geiger, A., Suchy, Y., & Euler, M., (February, 2024). *The relationship between neural and behavioral indices of cognitive control: EEG N2 amplitude predicts executive functioning in healthy older adults*. Poster to be presented at The International Neuropsychological Society 2024 Annual Meeting, New York City, NY

Geiger, A., **Guevara, J. E.**, Vehar, J. V., Euler, M. J. (February, 2024). *Evaluating the N4 effect event-related potential in Alzheimer's Disease*. Poster to be presented at The International Neuropsychological Society 2024 Annual Meeting, New York City, NY

Guevara, J. E., Kurniadi, N. E., & Duff, K. (July, 2023). *Neuropsychological change in MCI using estimated standardized regression-based formulas*. Poster presented at the Alzheimer's Association International Conference 2023, Amsterdam, Netherlands

Guevara, J. E., Carlson, S., Cassim, T., Williams, P., & Euler, M. J. (February, 2023). *Examining the relationships between physiological, cognitive, and self-report indices of self-regulation*. Poster presented at The International Neuropsychological Society 2023 Annual Meeting, San Diego, CA

Geiger, A., **Guevara, J. E.**, Vehar, J., Duff, K., & Euler, M. J. (February, 2023). *Investigating the relationship between neuropsychological test performance and electrophysiological measures of semantic functioning in Alzheimer's disease*. Poster presented at The International Neuropsychological Society 2023 Annual Meeting, San Diego, CA

Guevara, J. E., Vehar, J. V., Geiger, A., & Euler, M. J. (February, 2022). *Investigating the relationship between physiological and self-report measures of mental effort during cognitive demand*. Poster presented at The International Neuropsychological Society 2022 Annual Meeting, New Orleans, LA

Vehar, J. V., **Guevara, J. E.**, Pathania, A., Clark, M., Geiger, A., Lohse, K., & Euler, M. J. (February, 2022). *Sensitivity of the EEG aperiodic slope and offset to age and task demand during neuropsychological task performance*. Poster presented at The International Neuropsychological Society 2022 Annual Meeting, New Orleans, LA

McKinney, T. L., **Guevara, J. E.**, Vehar, J. V., Carlson, R., Anderson, A., Horrocks, M., & Euler, M. J. (February, 2020). *Higher fluid intelligence is related to higher task engagement, but not task effort*. Poster presented at The International Neuropsychological Society 2020 Annual Meeting, Denver, CO

McKinney, T. L., Vehar, J. V., **Guevara, J. E.**, & Euler, M. J. (February, 2020). *Acculturation, but not ethnicity, relates to test taking approach on Raven's matrices*. Poster presented at The International Neuropsychological Society 2020 Annual Meeting, Denver, CO

Guevara, J. E., Gilbert, S., & Murdock, K. W. (March, 2019). The effects of cellular energetics on cognitive abilities. Poster presented at the Psychosomatic Society 2019 Annual Meeting, Vancouver, BC

Gilbert, S., **Guevara, J. E.**, Borrelli, A. M., & Murdock, K. W. (March, 2019). Poor inhibition is inversely correlated with HbA1c in non-diabetic middle-aged adults. Poster presented at the Society of Behavioral Medicine 2019 Annual Meeting, Washington D.C.

Pathak, H. D., **Guevara, J. E.**, Gilbert, S., Fagundes, C. P., & Murdock, K. W. (March, 2019). Sex differences in executive functioning and latent herpesvirus reactivation in bereaved and non-bereaved individuals. Poster presented at the Society of Behavioral Medicine 2019 Annual Meeting, Washington D. C.

Guevara, J. E. & Murdock, K. W. (June, 2018). High social strain and physical health: Examining the roles of anxious arousal and IL-6. Paper presented at the Psychoneuroimmunology Research Society 2018 Annual Meeting, Miami, FL.

Research Experience

Graduate Student Researcher **Aug 2019 - Present**
Neuropsychology and Neural Dynamics (NDN) Laboratory, University of Utah

- Conduct psychophysiological and behavioral research on individual variability in cognitive functioning

Study Coordinator **May 2021 – July 2022**
Neuropsychology and Neural Dynamics (NDN) Laboratory, University of Utah

- National Institute on Aging Small Grant (R03): “Task-related EEG activation as a biomarker for early Alzheimer’s disease.” PI: Euler.

Laboratory Coordinator **Aug 2017 - July 2019**
DRIVES Laboratory, The Pennsylvania State University

- Managed research study investigating the relationship between cognitive abilities, emotion regulation, stress, and health

Research Intern **June - Aug 2016**
National Institute on Drug Abuse, Mandyam Laboratory - VA Medical Center, La Jolla, CA

- Conducted research on neurogenesis and stress-related behaviors in animal models of methamphetamine and alcohol addiction

Research Assistant

Sept 2015 - May 2016

Clinical Psychophysiology Laboratory, University of Delaware

- Collected electroencephalography data for studies investigating psychophysiology and psychopathology

Research Assistant

Sept 2015 - May 2016

Parent-Teen Laboratory, University of Delaware

- Transcribed and coded Adult Attachment Interviews (AAI) with study participants

Grant Experience

Unfunded

APA Early Graduate Student Researcher Award

2022

APAGS/Psi Chi Junior Scientist Fellowship

2020

Mentored Peer-Reviews

Mentor: Matt Euler, PhD

The Clinical Neuropsychologist

Mentor: Kyle Murdock, PhD

Annals of Behavioral Medicine

Attachment and Human Development

British Medical Journal Open

PLOS ONE

Psychological Assessment

Trainings and Seminars

- Title: Demystifying ACT: A Practical Guide for Therapists **April, 2023**
Provider: Psychotherapyacademy.org
Learn the fundamentals of ACT in an on-demand, self-paced online training covering the essentials of ACT. Course and discussion was led by DJ Moran, Ph.D. in clinical and school psychology, a board-certified behavioral analyst, consultant, and trainer.
- Title: Comprehensive Behavioral Intervention for Tics (CBIT) **October, 2022**
Provider: Mike Himle, Ph.D.
CBIT training seminar with didactic and role-playing components.

Teaching Experience

Teaching/Clinical Assistant, University of Utah

PSY11 Principles and Techniques of Psychological Assessment I **Fall 2023**

- Independently instructed assessment lab focused on testing techniques and WAIS-IV administration

PSY6613 Psychological Assessment Practicum **Fall 2022 – Spring 2023**

- Provided peer-to-peer supervision on psychological assessment cases to Clinical Psychology graduate students

Graduate Instructor, University of Utah

Summer 2022, 2023

PSY1010 General Psychology

- Independently instructed and managed online course

Teaching Assistant, University of Utah

PSY1010 General Psychology

Spring 2022

- Graded assignments and assisted with classroom activities

PSY3000 Statistical Methods in Psychology

Spring 2021

- Independently instructed two weekly lab sections on conducting statistical analyses in R

PSY2010 Psychology as a Science and Profession

Fall 2020

- Graded assignments on consuming psychology research and assisted with classroom activities

PSY3010 Research Methods in Psychology

Fall 2019, Spring 2020

- Independently instructed weekly lab section on APA style scientific writing

University and Community Service

The Association of Neuropsychology Students in Training (ANST)

Jan 2021 - Present

Interest Group Graduate Student Representative, University of Utah

- Organize interest group activities (e.g., guest speakers, graduate student panels) for all levels of neuropsychology trainees

Diversity Graduate School Application Advisory (DGSAA)

Sept 2020 - Present

Vice President, President (2020-2021), Leadership Team (2022-2023), University of Utah

- Graduate student mentor, lead organizational activities of DGSAA to support underrepresented students in professional development and applying to graduate school

Diversity Committee Member

Aug 2019 - Present

University of Utah, Department of Psychology

- Managed Diversity Committee website design, participated in initiatives to promote the importance of diversity in academia and influence change in departmental policies

Neuropsychology Community Outreach

Brain Health and Aging Community Talk

Mt. Olympus Senior Center, Salt Lake City, UT

June 2022

Magna Kennecott Senior Center, Magna, UT

June 2022

- Presented and discussed with community senior center members about topics related to brain health and aging

Community Cognitive Screening Events

Magna Kennecott Senior Center, Magna, UT

June 2022

Cache County Senior Center, Logan, UT

June 2021

University of Utah, Department of Psychology Cognitive Concerns Clinic

- Administered cognitive screeners to rural community members with cognitive concerns to promote access to neuropsychological services

Salt Lake City Senior Expo in Salt Lake City, UT

Oct 2019

University of Utah, Department of Psychology Cognitive Concerns Clinic

- Administered cognitive screeners to community members to promote the University of Utah Cognitive Concerns Clinic

Professional Memberships

- American Psychological Association (APA)
Division 40 – Society for Clinical Neuropsychology
- International Neuropsychological Association (INS)
- Association of Neuropsychology Students in Training (ANST)
- Hispanic Neuropsychological Society (HNS)
- Psi Chi – International Honor Society in Psychology

