

Using neurocognitive tools to identify and modulate treatment targets in PTSD, anxiety, and depression

Who: Dr. Jessica Bomyea from the San Diego VA, Center of Excellence for Stress and Mental Health
When: February 27, 2020, 11:00am PST, for 45 minutes
How: Webinar via zoom

Jessica Bomyea, PhD, is an assistant professor at the University of California, San Diego and a research health scientist at the VA Center of Excellence for Stress and Mental Health. Dr. Bomyea received her doctoral degree from the San Diego State University/University of California, San Diego (UCSD) Joint Doctoral Program in Clinical Psychology. Her research, which has been supported by the National Institute of Mental Health and the Department of Veterans Affairs, seeks to understand how aspects of cognition (e.g., executive functioning) may confer risk for and perpetuate anxiety and traumatic stress disorders. In addition, she studies novel interventions with the goals of translating cognitive science principles to new treatment approaches and delineating the processes of change during treatment. Her current work focuses on examining the neurobiological characteristics of individuals across and within traditional diagnostics categories, and how treatment programs impact symptom, neuropsychological, and neurobiological markers of psychopathology.



Selected publications

- **Bomyea J**, Simmons AN, Shenton ME, Coleman MJ, Bouix S, Rathi Y, Pasternak O, Coimbra R, Shutter L, George MS, Grant G, Zafonte RD, McAllister TW, Stein MB. [Neurocognitive markers of childhood abuse in individuals with PTSD: Findings from the INTRuST Clinical Consortium](#). J Psychiatr Res. 2019 Nov 23; 121:108-117.
- **Bomyea J**, Stout DM, Simmons AN. [Attenuated prefrontal and temporal neural activity during working memory as a potential biomarker of suicidal ideation in veterans with PTSD](#). J Affect Disord. 2019 Oct 01; 257:607-614.
- **Bomyea J**, Flashman LA, Zafonte R, Andaluz N, Coimbra R, George MS, Grant GA, Marx CE, McAllister TW, Shutter L, Lang AJ, Stein MB. [Associations between neuropsychiatric and health status outcomes in individuals with probable mTBI](#). Psychiatry Res. 2019 02; 272:531-539.
- **Bomyea J**, Matthews SC, Buchsbaum MS, Spadoni AD, Strigo IA, Simmons AN. [Neural differences underlying face processing in veterans with TBI and co-occurring TBI and PTSD](#). J Affect Disord. 2017 12 01; 223:130-138.
- **Bomyea J**, Stein MB, Lang AJ. [Interference control training for PTSD: A randomized controlled trial of a novel computer-based intervention](#). J Anxiety Disord. 2015 Aug; 34:33-42.