

Webcast Presentation Form

Shaun Eack, PhD

October 17, 2018

Biomedical Science Tower, 1:00 to 3:00 PM (please arrive at 12:30 PM)

Presenter Bio

Please include your full name, credentials, degrees and information about your position and place of employment. **Please send a copy of your CV along with this completed form.**

Shaun M. Eack, PhD

David E. Epperson Professor of Social Work and Professor of Psychiatry
School of Social Work and Department of Psychiatry
University of Pittsburgh
Pittsburgh, Pennsylvania

Dr. Eack received his Bachelor's degree in Science in 2002 and his Masters in Social Work in 2003 from the University of Illinois at Urbana-Champaign. He went on to receive his Doctoral degree in Social Work from the University of Pittsburgh in 2009.

His expertise is in the conduct of psychosocial treatment trials in severe mental illness, particularly cognitive remediation for individuals with schizophrenia and autism spectrum disorder. He trained in Cognitive Enhancement Therapy and conducted clinical trials with the late G. E. Hogarty, a renowned psychosocial treatment expert in schizophrenia research and the developer of Cognitive Enhancement Therapy (CET). He has also trained extensively in functional neuroimaging and cognitive neuroscience directed toward characterizing the neuroplastic effects of psychosocial treatment in severe mental illness. Dr. Eack is currently Principal Investigator (PI) of several federally-funded studies, including a large-scale trial of CET for adults with autism spectrum disorder and a 10-year follow-up study of the effects of CET in early course schizophrenia, and he is Co-PI (with Matcheri Keshavan) of a study of the neurobiological effects of CET in early course schizophrenia. He has published over 80 scholarly papers in a variety of highly-regarded journals and has expertise in advanced data analytics, including hierarchical linear modeling, structural equation modeling, functional connectivity analysis, and clinical trials analysis.

Dr. Eack has made several substantial contributions to the fields of social work and mental illness treatment, including establishing the benefits of cognitive remediation in early course schizophrenia, demonstrating the first evidence that psychosocial treatment can influence gray matter morphology in schizophrenia, developing the first evidence-based cognitive remediation intervention for adult autism spectrum disorder, and providing the first evidence that cognitive remediation can be beneficial in patients with schizophrenia who have substance use comorbidity.

Name and Narrative Description of your Presentation – **Please determine if it is introductory, intermediate or advanced.**

Intermediate

"Cognitive Enhancement Therapy for Adults with Autism Spectrum Disorder"

This session will introduce a new psychosocial treatment approach for adults with autism spectrum disorder, Cognitive Enhancement Therapy. Information on the rationale and development of this treatment approach will be presented, along with emerging data from ongoing feasibility and clinical trial studies in adults with autism. Attendees will learn about the practice of cognitive remediation and its general principles and applications, as well as its use in adult autism with Cognitive Enhancement Therapy. Emerging efficacy data will be presented on the impact of this treatment

approach on cognition, the brain, and adaptive function. Finally, future directions for developing and implementing treatments to help individuals with autism succeed in adulthood will be discussed.

Intermediate

Three (3) learning objectives

By the completion of this session participants will be able to:

1. Identify major gaps in the treatment of adults with autism spectrum disorder
2. Describe the practice of cognitive remediation and its application to adult autism using Cognitive Enhancement Therapy
3. Evaluate the emerging evidence surrounding the potential benefits of cognitive remediation in the treatment of adult autism

Three (3) current (within the past 10 years) peer-reviewed publications that support the evidence base for the content of your presentation

Publications must be listed in American Psychological Association (APA) Style (see www.apastyle.org for more information).

APA format for journal article citation:

Author last name, Author First Initial. Author Second Initial. (Publication Year). Title of article. *Title of Journal*. volume(issue) (if issue numbered), pages.

Eack, S. M., Hogarty, S. S., Greenwald, D. P., Litschge, M. Y., Porton, S. A., Mazefsky, C. A., & Minshew, N. J. (2018). Cognitive Enhancement Therapy for adult autism spectrum disorder: Results of an 18-month randomized clinical trial. *Autism Research*. 11, 519-530.

Eack, S. M., Bahorik, A. L., Hogarty, S. S., Greenwald, D. P., Litschge, M. Y., Mazefsky, C. A., & Minshew, N. J. (2013). Is cognitive rehabilitation needed in verbal adults with autism? Insights from initial enrollment in a trial of Cognitive Enhancement Therapy. *Journal of Autism and Developmental Disorders*. 43(9), 2233-2237.

Bishop-Fitzpatrick, L., Minshew, N. J., & Eack, S. M. (2013). A systematic review of psychosocial interventions for adults with autism spectrum disorders. *Journal of Autism and Developmental Disorders*. 43(3), 687-694.