

2018 SRA Biennial Meeting

April 12-14, 2018

Minneapolis, MN

Invited Program Session

RDoC: A Lense for Understanding Changes in Adolescent Brain and Behavior

Chair: **Margaret A. Sheridan**, University of North Carolina at Chapel Hill

Paper 1: ***Cognitive Processes: The Impact of Early Exposures on the Development of Complex Cognition in Adolescence***

Margaret A. Sheridan, University of North Carolina at Chapel Hill

Paper 2: ***Developmental Shifts in Using Reward Cues to Guide Goal-directed Behavior***

Leah H. Somerville, Harvard University

Paper 3: ***Childhood Trauma Exposure and Negative Valence Systems in Adolescence***

Kate McLaughlin, University of Washington

Paper 4: ***Social Processes Shape the Adolescent Brain***

Eva H. Telzer, University of North Carolina at Chapel Hill

Paper 5: ***Risk and Resilience Mechanisms Underlying Dimensions of Psychopathology During Adolescence***

Amanda E. Guyer, University of California, Davis

Integrative Statement. From suicidal ideation to delinquent behavior, Adolescence is a period where risk for psychopathology and associated behaviors increases dramatically. This uptick in psychopathology is linked to developmental shifts in the underlying cognitive, emotional, and social lives of adolescents. Increasingly sophisticated research in adolescent development has identified change in neural, physiological, and behavioral function and interactions across these levels of analysis during adolescence. In this symposium we examine adolescent functioning across several levels of analysis in four RDoC domains: Positive Valence Systems, Negative Valence Systems, Cognitive Processes, and Social Processes. Each talk will use multilevel measurement within one domain to link adolescent development to brain, behavioral, and interpersonal processes underlying risk for psychopathology. Across the talks we will identify specific within domain processes which are most relevant to better understanding and treating adolescent mental health.



Chair Biography. Margaret Sheridan, Ph.D., is an Assistant Professor of Psychology and Neuroscience at UNC Chapel Hill. She received her Ph.D. from the University of California, Berkeley in Clinical Psychology. The goal of her research is to better understand the neural underpinnings of the development of cognitive control across childhood (from 5-18 years of age) and to understand how disruption in this process results in psychopathology. In particular she studies how experiences of adversity shift brain development to lead to risk for psychopathology. Her research uses multimethod tools including longitudinal assessments, fMRI, EEG, and psychophysiology. Dr. Sheridan is the recipient of a Robert Wood Johnson Health and Society Scholar award and her research has been funded by the National Institutes of Health, NSF, Robert Wood Johnson, Dubai Cares, and NC TraCs. Dr

Sheridan has published extensively, with over 80 publications and book chapters.