

CHOP Research Institute Summer Scholars Program



Judith Miller, Ph.D., M.S.

Center for Autism Research

Clinical Research: Patient-oriented research examining the effectiveness of clinical and behavioral treatment interventions. Projects involve human subjects or data collected from human subjects.

Diagnosis and Classification Issues in Autism Spectrum Disorder (ASD)

ASD refers to a group of complex neurodevelopment disorders characterized by repetitive and characteristic patterns of behavior and difficulties with social communication and interaction. My research focuses on the behaviors seen in autism – either identifying ASD characteristics in individuals with genetic or psychiatric conditions, or studying particular ASD behaviors in experiments.

- **Potential summer research projects:**

(1) Studying children who were screened for autism in primary care; (2) Developing a new diagnostic interview for pediatricians to diagnose autism; and (3) Studying particular ASD behaviors including a smartphone app and a related electroencephalography (EEG) event related potential experiment where we measure how well children respond to their name (not responding to your name is highly predictive of autism).

- **Students will learn the following techniques:**

(1) Beginning interview skills; (2) Behavioral coding; (3) EEG – administration and analysis.

Please click [here](#) to read more about Dr. Miller