

ARNETT LAB

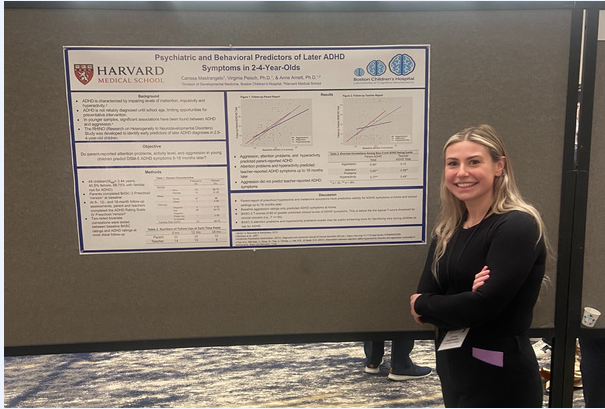
Newsletter



Boston Children's Hospital
Laboratories of Cognitive Neuroscience

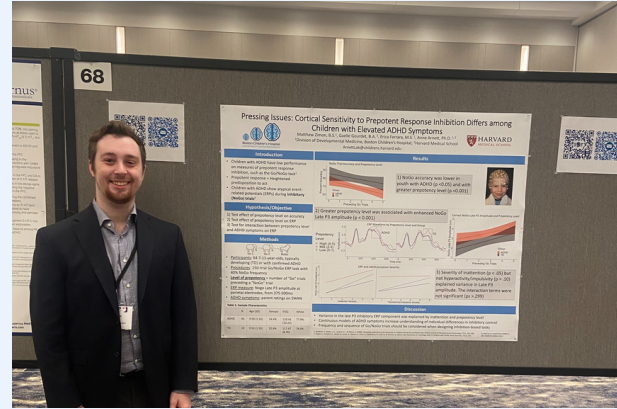


RESEARCH FINDINGS



Carissa Mastrangelo presenting at The American Professional Society of ADHD and Related Disorders

Carissa Mastrangelo (Northeastern University undergraduate student intern in the Arnett Lab) presented a poster on our preliminary data from the RHINO-Mites study at the 2024 APSARD conference in January. She found that parent ratings of a child's inattention and hyperactivity at 2-4-years-old are strongly predictive of clinical ADHD symptoms at home and in the classroom up to 18 months later. These data support our goals of identifying young children at risk for ADHD and providing preventative interventions and support for children and families.



Matthew Zimon presenting at The American Professional Society of ADHD related disorders

Matthew Zimon (Research Assistant in the Arnett Lab) presented a poster on data from the RHINO study at the 2024 APSARD conference. He reported that all children have more trouble inhibiting their responses (i.e., stopping themselves from pressing a button during a computer task) when the inhibition trial is preceded by multiple trials in which they are expected to press the button. At the brain level, Matthew also showed that children show increased cortical effort when the inhibition trial is preceded by more response trials. Children with ADHD had lower accuracy and greater cortical effort across all inhibition trials, and this association was driven by inattentive symptoms.

MEET THE TEAM

Jacob Pratt, PsyD, is a current research and clinical postdoctoral psychology fellow in the Department of Developmental Medicine at Boston Children's. He is a recent graduate of the Wright Institute in Berkeley California. His primary interests include the development and administration of child assessments and early intervention in educational settings. Jacob has worked and conducted research at Boston University, Massachusetts General Hospital, a Title - 1 school, and community mental health clinics in northern California. He has publications on multidisciplinary research, executive functioning, and the development of a novel PTSD and Post-Traumatic Growth assessment. Jacob has developed, coded, and tested interventions that integrate 3D motion capture technology to improve executive functioning. His current research involves the development and testing of a screening tool for ADHD in children using response and eye-tracking via a video game-based App for the iPhone.



CURRENTLY RECRUITING

RHINO-Mites Study is currently seeking:

- 2.5-4 year old children with or without a family member
- who has ADHD

BRAVE RHINO Study is currently seeking:

- 7-11-year-old children with anxiety

CONTACT INFORMATION

ArnettLab@childrens.harvard.edu
(617) 919-7771



Boston Children's Hospital

Where the world comes for answers