



Drexel University

Assessment of Brain Function during Social Interaction among Children with and without Autism Spectrum Disorder (ASD)

Parents/Guardians are invited to bring their child to participate in a single session study where they will have some developmental testing and be involved in socially focused activities including watching people and objects on a video monitor and interacting with another person. We will measure the child’s brain activity using wearable neuroimaging sensors, which fit on the head like a headband and measure the brain activity. We will also video record your child’s facial expressions to understand social interactions in a more realistic setting. The study will take approximately 2 hours to complete (over Zoom online and Site-visit in-person).

Your child may participate in this study if:

- Your child is between the ages of 18 and 42 months.
- Your child does not have serious visual problems.
- Your child does not have serious hearing problems.
- Your child does not have a history of seizures, head injury, or neurological problems (e.g. stroke, etc.).
- Your child does not have any serious illness, or genetic syndrome.
- Your child does not take neuropsychiatric medications (e.g. Adderall or Ritalin).

And, your child may participate in this study if one of the following is true:

1. Your child <u>has</u> Autism Spectrum Disorder (ASD) and no other developmental disorder	OR	2. Your child <u>does not</u> have ASD and <u>does not</u> have language or developmental delays, or a family history of ASD
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For your time and participation, you will receive a gift card of \$100.

This research is approved by the Drexel University Institutional Review Board.

If you are interested in participating in this study, please contact:

Dr. James Connell, Dr. Karen Heffler, Dr. Hasan Ayaz

Drexel.ASD@gmail.com

Site visit: A.J. Drexel Autism Institute

3020 Market Street, Suite 560

Philadelphia, PA 19104-3734

This research is conducted by researchers who are members of Drexel University.

Drexel ASD
Brain Function Research
Drexel.ASD@gmail.com

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