

Approved

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COMIRB

Measuring Brain Structure and Function in Autism Spectrum Disorders

The Magnetoencephalography Laboratory at the University of Colorado is looking for **people with no personal or family history of developmental disorders** to participate in a brain imaging research study. Our team is interested in the structural and functional brain differences between people who have Autism Spectrum Disorders (ASD), parents of children with ASD, and those with no history of developmental disabilities. Brain structure and activity will be measured using two neuroimaging techniques: magnetoencephalography (MEG) and magnetic resonance imaging (MRI).

Who is eligible?

- Families with no history of developmental disorders, at least 2 participants per family needed (3 preferred).
- Participants must be 5-55 years old.

Eligibility limitations:

- Participants must have normal hearing.
- Participants must not have a personal or familial history of developmental disorders.
- Participants must not have any non-removable metal objects or implants in the body, including braces.
- Participants must not currently be abusing drugs or alcohol.
- Participants should be able to arrange for transportation to the Anschutz Medical Campus in Aurora, Colorado.

Participants will:

- Be invited to the laboratory for a tour and orientation.
- Participate in a magnetoencephalographic (MEG) recording. This involves lying on a bed and watching a movie and listening to sounds while researchers record brain activity.
- Have a magnetic resonance image (MRI) taken to observe the anatomy of the brain.
- Complete a psychiatric interview, as well as a series of psychological tests assessing memory, attention and intellect.
- Be compensated for their time.

For more information, please contact:

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