

How children's brains process sounds and sights

Volunteers are needed to participate in a research study at the Hospital for Sick Children to investigate brain function during auditory or visual processing. Children will participate in two sessions: 3-5 hour testing of their listening, thinking, and social interaction, and 1-2 hour neuroimaging testing.

We need children:

- aged 6-12 years old
- without braces or glasses
- diagnosed with an Autism Spectrum Disorder (including Autism, PDD or Asperger Syndrome)
- with average to above average intelligence
- who may have a language delay but speak in spontaneous sentences
- able to lie completely still for 3-8 minutes
- with no known hearing, vision or neurological impairment (like seizures or CP)

We would like to measure children's magnetic brainwaves while they are listening to sounds or looking at shapes or photos. This is completely non-invasive and does not involve any form of radiation. See your brain in action!

If interested, or for further information, please call Rachel Barber at 416-813-8748

Investigators:

Janis Oram Cardy, PhD, S-LP(C) and Darcy Russell, B.Sc.*

University of Western Ontario

Wendy Roberts, MD, FRCP(C)

Autism Research Unit, Hospital for Sick Children

Margot Taylor, PhD

Diagnostic Imaging, Hospital for Sick Children

***Autism Ontario
Stimulus Grant
Recipient**

