

Who We Are

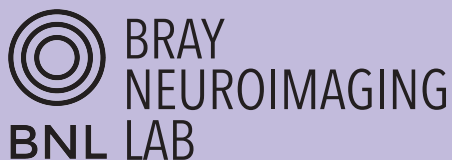
We are a research lab at the **University of Calgary**, located at the **Alberta Children's Hospital**.

Our research is focused on understanding brain development in children with neurodevelopmental disorders.

Our research team is led by **Dr. Signe Bray**



Contact Us



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Email:
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Location:
**Alberta Children's Hospital
2888 Shaganappi Trail NW
Calgary, AB, Canada
T3B 6A8**

Research Links

Website:
<http://brayneuroimaginglab.ca>

MRI for Kids Website:
<http://ucalgary.ca/mri4kids>



Be part of our research
to help understand
**Turner
Syndrome**



What does the study involve?

Participation involves coming to the Alberta Children's Hospital for 2-3 visits, during which your child will complete a series of assessments and an MRI scan of their brain. Each visit lasts 1-2 hours. All visits can be done in one day or spread out!

For some studies we ask you to come back after 12 months

This allows us to look at what has changed over time in the brain.

Initial Visits

1

- 'practice' MRI scan
- assessments

2

- MRI scan (1 hr)
- finish assessments

Follow-Up Visits (1 year later)

1

- 'practice' MRI scan
- assessments

2

- MRI scan (1 hr)
- attention assessments

What is the purpose of the study?

Our goal is to understand the cognitive differences in children with Turner Syndrome. More specifically, we are looking at how developmental changes in the brain relate to changes in attention skills. We hope that our findings from our research will be useful in helping children reach their full potential.

What is MRI?

MRI is a safe, non-invasive technique that takes pictures of the brain. MRI uses a large magnet to take pictures, so it does not involve radiation.

Our MRI scanner is dressed up to look like a rocket ship! The machine makes loud noises, which sound a bit like a rocket ship. We provide head phones and ear plugs to make it less noisy.

While in the MRI scanner, your child will be encouraged to lie as still as possible while watching a movie.

We also have a 'mock' MRI scanner that simulates the experience, to help your child become more comfortable with it before heading to the real MRI.



Why participate?

Participating in studies like this one is a great way to volunteer your time, learn more about science taking place in your community, and contribute to our knowledge of Turner Syndrome!

You **do not** have to live in Calgary to participate! If you are from out of town, we will cover all travel expenses.



Does my child qualify for the study?

We are looking for participants **between the ages of 4-6 years**. If you are interested, please contact us, and we will go through some very brief screening questions to see if your child will qualify.

Interested in participating?

If you are interested in participating in this study, or have any questions, please contact us!

Dr. Signe Bray

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