A Family-Genetic Study of Fragile X Syndrome

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Help us discover more about fragile X syndrome and the *FMR1* premutation.

This research study investigates how the *FMR1* gene influences development and behavior in fragile X syndrome, as well as in parents and relatives who are carriers of the *FMR1* premutation. Findings will help us to understand how the *FMR1* gene impacts the development of complex traits in all of us.

STUDY OBJECTIVE:

- To understand the brain and gene basis of language and related skills in individuals with the *FMR1* premutation and their family members

IMPORTANCE OF STUDY:

- Involves the use of innovative technologies for studying language and social features
- Helps us understand how the *FMR1* gene relates to language and social behavior in premutation carriers

WE ARE LOOKING FOR:

- Individuals who carry the *FMR1* premutation, and their relatives with fragile X syndrome

PARTICIPATION INCLUDES:

- Solving puzzles
- Completing measures of brain activity
- Talking about your friendships and the ways that you relate to other people
- Providing a blood sample

COMPENSATION AND TIME:

- Participation involves 1-2 visits
- Participants will be compensated for their time

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Research in the NDL is supported by grants from the National Institutes of Health IRB#STU00222422