

Modifiers of Fragile X-Associated Disorders (FX-MOD)

...tracking down genes that interact with FMR1



National Fragile X Center at Emory

Promoting excellence in clinical care, research and education

We have an exciting new study to discover genes that affect the risk and severity of three fragile X-associated disorders.

Our goal is to find new avenues for potential treatments.



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PLEASE CONTACT US

If you have any questions or would like additional information.

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THIS study is funded by the National Institute of Child Health and Human Development. It has been approved by the Emory University Institutional Review Board, Study ID 00074941.

Help advance fragile X research by participating in any of our three new studies!

Study 1: Modifiers of FXPOI in women with the premutation

Fragile X-associated primary ovarian insufficiency (FXPOI) leads to reduced ovarian function and sub-fertility. It affects about 20% of women with the premutation. Our goal is to discover genes that modify the risk and severity of FXPOI.

Study Groups:

- Group I: females with premutation, age 18-75, with early symptoms of FXPOI
- •Group 2: females with premutation, age 50-75, with age at menopause at 50 years or older

Study Activities:

- Medical history review
- •Blood or saliva sample
- •Health and well-being questionnaires

Participants will receive a \$25.00 gift card for a completed blood or saliva sample.

Study 2: Modifiers of FXTAS in individuals with the premutation

Fragile X-associated tremor ataxia syndrome (FXTAS) is a neurological disorder that affects about 40% of older men and about 15% of older women who carry the premutation. Our goal is to discover genes that modify the risk and severity of FXTAS.

Study Groups:

- Group I: individuals with premutation, age
 50-90, with early symptoms of FXTAS
- Group 2: males with premutation, with no symptoms of FXTAS before the age of 70

Study Activities:

- Medical history review
- •Some will visit Emory for a neurological exam
- •Blood or saliva sample

Participants will receive a \$25.00 gift card for a completed blood or saliva sample.

Study 3: Modifiers of seizures in individuals with FXS

Seizure disorders affect about 15% of children with fragile X syndrome (FXS) and can lead to increased severity of symptoms. Our goal is to discover genes that modify the risk for seizures in individuals with FXS.

Study Groups:

- •Group I: individuals with FXS, age 4-50, with at least I seizure
- Group 2: males with FXS, age 17-50, with no history of seizures

Study Activities:

- Medical history review
- •Blood or saliva sample

Participants will receive a \$25.00 gift card for a completed blood or saliva sample.