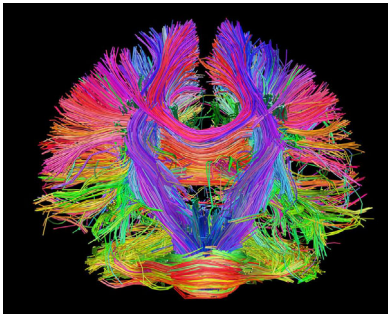


## BRAIN DISCOVERIES DRIVEN BY REAL PEOPLE

The University of Minnesota Fetal Alcohol Spectrum Disorders (FASD) Program is at the cutting edge of clinical care and brain research for children with prenatal alcohol exposure.

- The University of Minnesota FASD Clinic, which started in 1978, has worked with thousands of children with all levels of learning and behavior effects from prenatal alcohol exposure.
- The FASD Program works closely with the University's Adoption Medicine Clinic, the University's Center for Neurobehavioral Development (CNBD), and Proof Alliance.
- Our research results are shared locally with families and professionals, at international FASD research conferences, and in respected medical and scientific journals.
- Our clinical experiences with children affected by FASD guide all of our research questions.



## THE STUDY TEAM

- **Jeffrey Wozniak, Ph.D.** – Principal Investigator
- **Blake Gimbel, Ph.D.** – Student Investigator
- **Amy Gross, Ph.D.** – Co-Investigator
- **Amanda Kalstabakken, Ph.D.** – Co-Investigator
- **Lidan Gu, Ph.D.** – Co-Investigator
- **Judy Eckerle, M.D.** – Co-Investigator
- **Mary Anthony, B.A.** – Research Coordinator
- **Abigail Ernst, B.S.** – Research Coordinator
- **Kent Tuominen, B.S.** – Research Coordinator

### Contact us

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## Prenatal alcohol exposure (PAE)

### WEB-BASED BRAIN ASSESSMENT STUDY



Published by the Fetal Alcohol Spectrum Disorders Research Program

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This publication is available in alternative formats upon request. Direct requests to [fasd@umn.edu](mailto:fasd@umn.edu).

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## ALCOHOL AND THE DEVELOPING BRAIN

Children with a history of prenatal alcohol exposure (PAE) are at risk for brain-based challenges and Fetal Alcohol Spectrum Disorder (FASD).

- No amount of alcohol consumption during pregnancy is safe for the fetus, and brain damage can occur at any time during pregnancy even with only minimal alcohol exposure.
- Brain-based challenges range from subtle to severe.
- Brain-based challenges in thinking and reasoning skills, learning/memory, and emotional and behavioral control are common in children with PAE.

Scientific data suggest early identification and diagnosis are crucial for supporting youth with PAE and FASD. Web-based tools may help to:

- Reduce costs associated with screening and diagnosis of FASD
- Increase access to services for more people, especially in rural areas
- Improve the efficiency of diagnostic assessment services



## UNIVERSITY IS FIRST TO TEST A NEW BRAIN ASSESSMENT TOOL

We are proud to have been awarded a research grant from the Masonic Institute for the Developing Brain (MIDB) at the University of Minnesota to study the use of a novel web-based brain assessment tool called BRAIN-online in identifying areas of cognitive challenges in youth with PAE.

While not designed as a substitute for a comprehensive neuropsychological evaluation, BRAIN-online may help clinicians improve diagnostic services for youth with FASD.

With the information we collect in this study, we hope to:

- Develop more efficient ways of identifying cognitive and behavioral challenges in youth with PAE
- Improve availability to high-quality diagnostic services for youth with PAE who may not otherwise have access



## YOU CAN HELP

If you have a child between the ages of 8 and 16 who was exposed to alcohol during pregnancy, we would like to speak with you about participating in this study.

Research activities will last approximately 45 minutes to 1 hour, and all research-related tasks will be completed by you and your child in your own home.

There will be no cost to you, and you will be compensated for your time.

**To inquire about this opportunity:**  
**Email: fasd@umn.edu**

