

If you have a new baby...



Congratulations!

This is an exciting time of change for you and your new baby. The first few months of life mark a period of tremendous growth and development. Babies start learning about the world right away—reaching many important milestones during the first year of life.

Did you know that your baby's brain will double in size in the first year? As your baby grows, the connections between his/her brain cells, called synapses, grow at their fastest rate.

The Child Development Lab at the University of Maryland has partnered up with the National Institute of Health (NIH) to learn how infant social behavior, including infant temperament might shape baby's rapidly changing brains.

Questions? Interested?

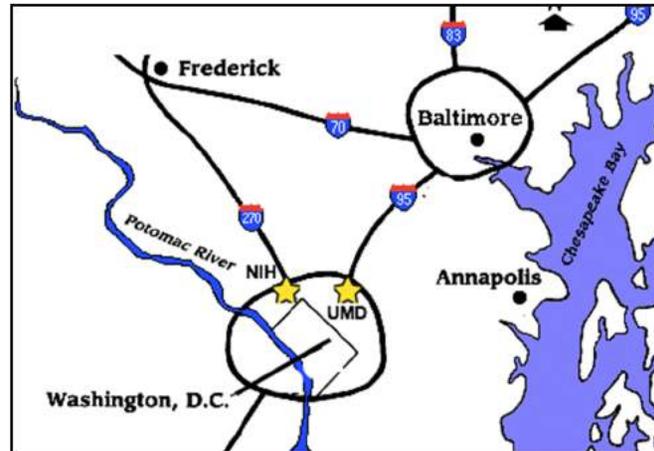
Feel free to contact us or enroll on our website:
<http://www.cdl.umd.edu/contact/>

Contact Us:
Phone: 301-405-7234
Email: infantstudy@umd.edu



CHILD DEVELOPMENT LAB
3304 Benjamin Building
College Park, MD 20742

Where We Are?



If you decide to participate, we will give you additional specific instructions to campus.

Parking is always free!

Brain and Social Development Study

At the Child Development Lab





What to expect?

This is a longitudinal study, so we would like to track your baby's development over their first years of life.

- Multiple visits over the first two years of life.
The first lab visit is at 4 months.
- Visits are conducted at our lab in College Park, MD.
- You will be with your infant at all times.
- All information gathered is kept confidential...always.
- We owe a great deal to the parents who participate with their infants in our research and we wish to give something back to parents for their effort.

Brain imaging visit compensation: \$60

Behavioral visit compensation: \$30

Children are always given a small token of our appreciation.

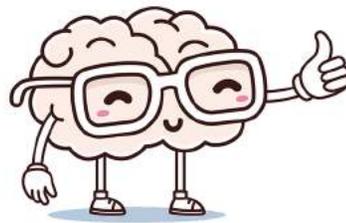
Welcome to the Child Development Lab!

Our lab focus is on social and emotional development. We specialize in using brain imaging to understand how the brain changes as children develop social and emotional skills. In the Brain and Social Development Study, we are studying how infant temperament influences brain development.

Brain and Social Development Study:
We are studying how infants' brains develop in the first year of life. We think that an infant's temperament may support the development of different parts of the brain.

How do we study brain development?

We take pictures of your infant's brain using an MRI. The MRI scanner is non-invasive and uses a powerful magnet to take pictures of your baby's brain. We swaddle and rock your baby until they fall asleep. All pictures are taken while your baby is sleeping naturally.



This project is funded by the National Institutes of Health.



Lab Photo Fall 2016

Who Are We?

The lab's director is Professor Nathan Fox, a Distinguished University Professor who has been at the university for over 25 years. Dr Fox is collaborating with Daniel Pine, MD from the NIH on this study. Other lab members include post-doctoral fellows, graduate students, undergraduate students, and research assistants.

You can read more about each of our lab members on our website:
www.cdl.umd.edu/people/





INFANT BRAIN DEVELOPMENT

WHERE DOES ANXIETY COME FROM?

A STUDY OF HOW BRAIN DEVELOPMENT IS RELATED TO SHYNESS IN EARLY CHILDHOOD.

VISIT BREAKDOWN

VISIT #1 SNAPSHOT

WHAT WILL HAPPEN: At this visit, we will observe your baby's responses to a mobile with toys attached and a series of sounds.

AGE: 4-5 months

COMPENSATION: \$30 and a toy



VISIT #2 SNAPSHOT

WHAT WILL HAPPEN: We will take pictures of your baby's brain while they are sleeping using MRI.

AGE: 4-5 months

COMPENSATION: \$60, infant T-shirt, blanket, and a picture of your baby's brain



VISIT #3 SNAPSHOT

WHAT WILL HAPPEN: We use a soft, elastic net with sensor sponges that comfortably fits over your baby's head (like a swim cap) to passively record their brain activity while they listen to different sounds.

AGE: 4-5 months

COMPENSATION: \$30, a toy, and a picture of your baby with the cap on



VISIT #4 SNAPSHOT

WHAT WILL HAPPEN: Like Visit #2, we will take pictures of your baby's brain while they are sleeping using MRI.

AGE: 12 months

COMPENSATION: \$60, infant T-shirt, blanket, and a picture of your baby's brain



VISIT #5 SNAPSHOT

WHAT WILL HAPPEN: At this visit, we will show your baby novel people and toys and record how they respond.

AGE: 14 months

COMPENSATION: \$30 and a toy

