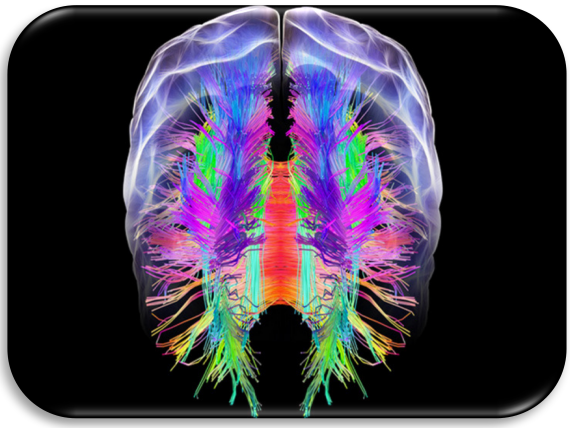
BE PART OF A MAJOR NEW STUDY ON BRAIN CONNECTIONS ACROSS CHILD DEVELOPMENT

The Lifespan Human Connectome Project Development (HCP-D) **Study will enroll 1,300+ healthy children, adolescents, and young adults (ages 5-21) to discover how different parts of a child's brain are connected and how these connections (the "connectome" change as the brain develops.**



Who can participate?

- **5-17 year olds and their parents**
- **18-21 year olds**

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RELEASED DATE: 02/16/18
EXPIRATION DATE: 02/15/19

What will participants do?

There are 2 study visits. During these visits, you and your child will be asked to:

- **Complete interviews**
- **Questionnaires**
- **Play iPad games**
- **Give Saliva**
- **Undergo a safe non-invasive MRI scan**

If interested, contact us

UCLA HCP-D Study Phone: (310) 794 - 0077
Email: HCP@ucla.edu

For more info, visit: www.humanconnectome.org/ HCP-D

*** Receive up to $400 for participating in the study, and kids can also get a picture of their brain.**

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HCP DEVELOPMENT

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Sponsored by the National Institutes of Health, the **HCP-D Study** is being conducted by Dr. Bookheimer and colleagues at UCLA. You may be eligible to participate.

Who can participate?

Participants will be:

- Ages 5-21
- In good health
- Female or Male

HCP DEVELOPMENT

Questions the Study Could Answer:

- When are critical brain connections formed?
- Do some connections need to be reshaped for a child to learn a new skill?
- How does the map of a child's brain function change as they mature?
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Join us in making scientific history

To participate, call or write our team member:

Phone: 310-794-0077
Email: hcp@ucla.edu

HCP DEVELOPMENT

Be Part of…

A Major New Study of Brain Connections across Child Development

HCP DEVELOPMENT

Learn more at www.humanconnectome.org/HCP-D

Why do we need the HCP-D Study?

Childhood and adolescence are times of dramatic physical, emotional, social, and intellectual growth and change. Yet there is much we do not know about how normal development and childhood experiences (learning to read, playing a sport, or interacting socially) shape the brain's wiring.

Thanks to recent technological advances pioneered by the foundational Human Connectome Project study of healthy young adults, we can now explore, in unprecedented detail, how the brain typically grows and connects during childhood and the transition through puberty to adolescence and young adulthood.

Data collected will be shared broadly so that researchers can learn as much as possible from it for years to come.

Characterizing brain development in healthy kids will also allow us to better understand differences in children with conditions that may affect brain wiring such as early childhood adversity or autism.

Ultimately, the **HCP-D Study** aims to collect information that parents, educators, and health professionals can use to enhance the well being of our children.

What is a "Connectome" and why is it important?

A "Connectome" is a mapping of the connections, or wiring, between brain regions that can tell us how the brain works.

As a child develops and experiences the world, connections between regions across the brain are formed and changed. These connections allow a child to "train their brain" to perform more and more complicated activities, shape their personality and develop their talents.

What will study participants do?

All **HCP-D** study participants will complete 2 visits, typically scheduled over two days within the same week. During these visits you and your child will be asked to complete interviews and questionnaires.

In addition, your child will be asked to:

- Play games and puzzles and complete computer tasks
- Be examined for physical function (walking speed, hearing, vision, etc.)
- Undergo safe, non-invasive brain imaging
- Give biosamples (such as saliva)

Some participants in ages associated with the transition to adolescence (ages 9-13) will be asked to return for two additional visits 1½ years, and then again 3 years after the first visit.

What about costs?

There will be no cost to your family for completing the study.

You will be paid up to $400 as compensation for your family's time and effort.

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Schools, Communities, and Researchers are Joining Forces!

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These connections allow a child to "train their brain" to perform more and more complicated activities, shape their personality and develop their talents.

Join us in Making Scientific History

Take this opportunity to team up with the world's leading connectome scientists. Your participation can help uncover how the brain's wiring changes as children develop and shapes who they are as they grow into adolescence and young adulthood.

Questions the Study Could Answer:

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