

Infants (6-24 months of age) and their parent/guardians are being recruited for a baby neuron system research project funded by the National Institutes of Health

➤ ***Project description:***

The human brain contains a neural network with 'mirroring' properties that are thought to be critical for learning by imitation, action understanding, perceiving other's intentions, and accelerating skill learning. The proposed research will investigate the features and developmental milestones of this system in young infants using noninvasive electroencephalography (EEG). EEG is not known to cause risk or harm to people, and is routinely used in medical facilities to study sleep and other disorders. During the experiment, an EEG cap, similar to a swimming cap, will be fitted on the infant subject's head to record his/her brain activity while he/she observes someone does something or does something himself/herself (e.g., grasping a toy).

➤ ***Subjects inclusion criteria:***

Healthy infants aging from 6-24 months

Your infant may not personally benefit from the study, but his/her participation will help researchers understand how infants come to understand others' action and learn to do some novel things.

➤ ***Contact:***

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Noninvasive Brain-Machine Interface System Lab, room E413, Eng. Bldg. 2
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Free and convenient parking is available. An age-appropriate toy, approved by the parent/guardian and selected by the infant, will be provided as a small gift.

This project has been reviewed by the University of Houston Committee for Protection of Human Subjects (713)743-9204.

