

AGING & NAVIGATION RESEARCH STUDY



MAKING A
CONNECTION

Are you 60+ years old and would like to contribute to research on healthy aging?



The **Neural Plasticity Research Lab (NPRL)** at **Emory University** is looking for volunteers to participate in a study using **magnetic resonance imaging (MRI)** and **virtual reality (VR)** to better understand how **aging affects spatial navigation ability**.

>> 4-hour session at Emory Rehabilitation Hospital

>> \$50 gift card compensation (Target, Kroger, Amazon)

This study uses MRI, virtual reality, computerized tasks, and pen & paper questionnaires to measure spatial cognition. Looking at brain activity during navigation helps us to understand how to maximize healthy aging and target neurorehabilitative therapies.

To be able to participate in our study, you must meet the following criteria:

- Is ≥60 years old
- Has not been diagnosed with a major neurological disorder (i.e., epilepsy, multiple sclerosis, Parkinson's disease, dementia, schizophrenia)
- Has no history of major neurological events (i.e., stroke, traumatic brain injury, major head trauma, aneurysms, seizures, spinal cord injury)
- Has no history of musculoskeletal impairment, sleep disorders, or chronic disorders (i.e., chronic fatigue, chronic pain)
- Can stand for 15 minutes without help or a cane/walker
- Does not have major visual impairments (i.e., uncorrected refractive errors, cataracts, glaucoma)
- Can see through a virtual reality headset (fair eyesight or corrected vision using contact lenses)

If you're interested or have questions, email us at ybassil@emory.edu.

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