

## If you would like to participate:

Please call the  
Emory Center for Rehabilitation Medicine  
**(404) 712-0936**  
and ask for Justin Hartley

### Who CAN Participate?

You may be able to participate if you:

- Are age 55 or older
- Are fluent in English
- Have either one of the following:
  - ▶ No more than the normal age-related memory problems
  - ▶ A diagnosis of mild cognitive impairment (which is an official diagnosis your doctor makes after a series of tests)

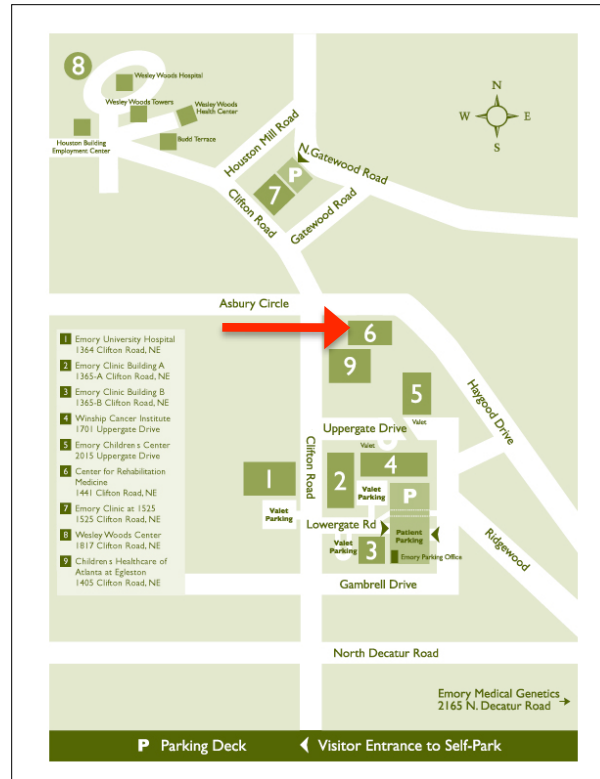
### Who CANNOT Participate?

We cannot include anyone with a history of stroke, epilepsy, dementia, bipolar disorder, or schizophrenia.

Many people have other medical conditions, so we will review your medical history with you and discuss whether you are able to participate.

### Costs

Taking part in this study will not cost you anything. In fact, we may have funds to reimburse you for your participation.

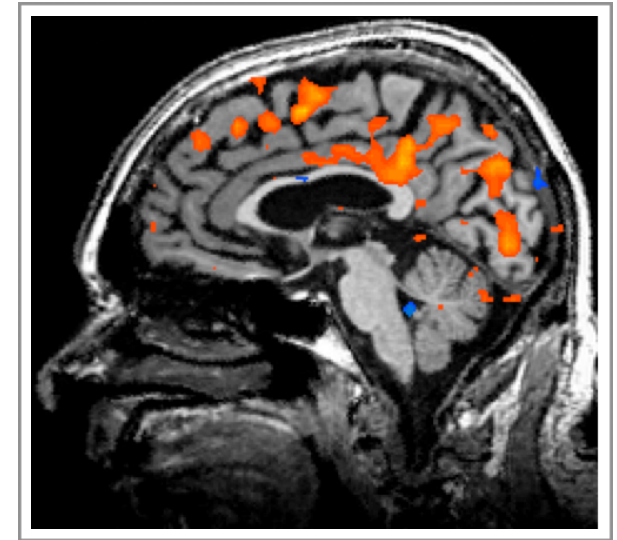


### Emory Center for Rehabilitation Medicine

1441 Clifton Road NE  
Atlanta, Georgia 30033

(404) 712-5667 (General office)  
(404) 712-5512 (Main reception desk)

## MEMORY REHABILITATION RESEARCH

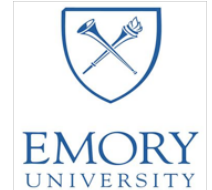


### INVESTIGATORS

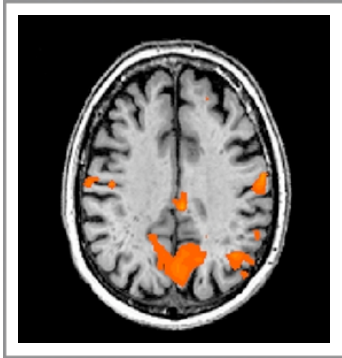
Benjamin Hampstead, Ph.D.

Krish Sathian, M.D., Ph.D.

Anthony Stringer, Ph.D.



# MEMORY REHABILITATION STUDIES



## What We Do and Why We Do It

Problems learning and remembering new information are often caused by diseases that affect the brain, such as Alzheimer's Disease. These problems can limit one's ability to function independently and cause people to stop doing things that they enjoy.

Our goal is to identify rehabilitation strategies that will help people function better in their everyday life. To help achieve this goal, we use a common brain imaging technique called magnetic resonance imaging (MRI). We compare the patterns of brain activity before and after people are taught to use the rehabilitation strategies to learn and remember different types of information. We hope to use these changes in brain activity to develop more effective training strategies.

## What Are the Benefits?

Although we cannot promise that you will get better at learning and remembering information, it is our hope that you will find some of the strategies helpful. Any information we gain can be used to refine treatment approaches for future participants and patients.

## What Are the Risks? Memory Testing and Training

Similar to the frustrations you may experience when forgetting things in your daily life, you may become frustrated during the course of the study. Most participants are able to overcome this frustration with a quick break.

## MRI

MRI uses magnetic fields; there is no radiation exposure. The only known risk of MRI is for people with some types of metal in their body (e.g. pacemaker, aneurysm clip, other metallic implants). Permanent dental work is usually OK. Otherwise, there are no known risks associated with having multiple MRI scans.

**Other research studies may be available. Please ask and we can inform you of these opportunities.**



## What Will You Do?

- You will be asked to schedule 6 – 8 visits. During the first visit, we will provide a thorough overview of the study, review your medical history, and complete a brief series of cognitive tests to see if you can take part.
- Once the study begins, you will complete 5 visits within 2 weeks:
  - ▶ 2 MRI scans while learning and remembering information (before and after training)
  - ▶ 3 training sessions during which we will teach you different memory rehabilitation strategies.
- You will then return 1 month later to complete a memory test that shows how well the strategies worked in the “long run.”
- You will come to the Center for Rehabilitation Medicine for all sessions.