

**Project Title:** Cognitive Neurophysiology of Mild Cognitive Impairment

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My name is Kimford Meador and I am the Melvin Greer Professor of Neurology in the Department of Neurology at the University of Florida. I graduated from the Georgia Institute of Technology in Applied Biology (with high honor) and received my MD from the Medical College of Georgia. After an internship at the University of Virginia and service as an officer in the Public Health Corps, I completed a residency in Neurology at the Medical College of Georgia and a fellowship in Behavioral Neurology at the University of Florida. I then joined the faculty at the Medical College of Georgia (1984-2002) where I became the Charbonnier Professor of Neurology. I was the Chair of Neurology at Georgetown University (2002-2004) and joined the faculty of the University of Florida in 2004.

Some of my research interests include dementia, epilepsy, mechanisms of attention and memory, and the physiology of mental processes, such as perception and awareness.



The research that I am interesting in doing with interested Oak Hammock residents is a study which is going to look at the benefit of a new computerized task of attention and memory in discriminating between healthy participants and participants with Mild Cognitive Impairment (MCI; slightly abnormal memory relative to same-age peers, in the context of normal cognitive abilities and activities of daily living). The study is trying to determine if there is a relationship between EEG measures (brain waves) of attention and memory and MCI. Participants will come to the McKnight Brain Institute at the University of Florida for testing at baseline, 3 month, 6 month, 12 month, 24 month, and 36 month follow up visits. Each visit will last between 2-3 hours. During these visits, you will complete some brief, computerized tasks of attention and memory. You will also be asked to complete paper and pencil measures of mood, attention, memory, reaction time, and standard ability. This study is scheduled to last 3 years. We will be asking you to tell us how you feel and to record your activity levels at specific time points. We are looking to enroll 80 people at UF, and there are currently 37 participating.