



Psychology Research Labs

COGNITIVE

Pamphlet by Psi Chi Chapter of Mississippi State
Current as of Spring 2021



HOW TO APPLY TO BE IN A LAB:

- EMAIL THE FACULTY MEMBER POLITELY AND PROFESSIONALLY. INCLUDE WHY YOU'RE INTERESTED IN THEIR LAB'S RESEARCH AND ASK IF YOU NEED TO HAVE TAKEN EXPERIMENTAL PSYCHOLOGY AND INTRODUCTION TO PSYCHOLOGICAL STATISTICS IN ORDER TO JOIN THEIR LAB. TIP: IT MIGHT BE BENEFICIAL TO LOOK INTO THEIR LAB'S PUBLICATIONS WHICH ARE LOCATED ON THE PSYCHOLOGY DEPARTMENT WEBSITE -> FACULTY & STAFF -> MORE -> PUBLICATIONS.
- BE PATIENT. IF THE FACULTY MEMBER DOES NOT ANSWER IMMEDIATELY OR DOES NOT RESPOND, SEND A CHECK-IN EMAIL 1-2 WEEKS AFTER THE INITIAL EMAIL. IF THERE IS STILL NO RESPONSE, SEND ANOTHER CHECK-IN EMAIL 1-2 WEEKS AFTER THE SECOND EMAIL. THEY ARE BUSY. DON'T WORRY! THEY WILL GET BACK TO YOU. ASK THE FRONT OFFICE FOR THE FACULTY MEMBER'S OFFICE HOURS AND TRY TO MEET THEM IN PERSON.
- ONCE ACCEPTED INTO A LAB, PICK UP A DIS FORM FROM THE FRONT OFFICE IF YOU WANT COURSE CREDIT. FILL OUT THE DIS FORM. GIVE THE DIS FORM TO THE FACULTY MEMBER, SO THEY CAN SIGN THE FORM. TURN THE FORM INTO THE FRONT OFFICE.

Dr. Gary L. Bradshaw

Learning is my passion. People have an enormous capability to learn both knowledge and skills. Currently my research interests revolve around questions such as: 'How can we best help students to learn more efficiently and retain what they have learned?', 'Do we measure learning accurately?', and 'Can we help people learn how to be more adaptable as conditions change?'

If you are interested in working in my lab, please contact me via email: glb2@msstate.edu
I don't have a lab website. Some websites I maintain are: epsych.msstate.edu and invention.psychology.msstate.edu

Dr. Deborah K. Eakin

I am interested in human memory in general, specifically factors that impact retrieval of information. I am particularly interested in interference as an explanatory mechanism for forgetting. Much of my research has also focused on the monitoring and control of retrieval processes, or metamemory. My research uses a variety of methodologies, including a variety of populations, including older adults and children.

Contact Dr. Eakin at
deakin@psychology.msstate.edu
<https://sites.google.com/site/eakinmemoryandmetamemorylab/home>
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Dr. Andrew F. Jarosz

The goal of our research is to understand not only the processes underlying successful problem solving, but also to determine why individuals differ in their ability to succeed on problem solving tasks. The Attention, Reasoning, and Creativity (ARC) Lab explores several types of problem solving, including analytic (such as on an intelligence test), creative, and mathematical. In particular, our work has focused on the specific processes and strategies required to solve different kinds of problems, and how working memory capacity and attention both aid and hinder those processes.

They should contact me:
afj62@msstate.edu
<https://sites.google.com/view/jaroszresearchlab/welcome>

Dr. Jarrod Moss

Research in our lab focuses on two main areas. The first line of research seeks to understand how people solve complex problems especially when the problem requires the generation of novel or creative solutions. The second line of research in the lab involves examining the neural correlates of employing effective learning and training strategies. For both of these lines of research, we use neuroimaging tools to understand how these cognitive processes work.

If you are interested in the cognitive science doctoral program at Mississippi State University and want to discuss the potential of working together, please get in touch with me via email at

jarrod.moss@msstate.edu.
<https://www.psllab.org/>

Dr. Michael S. Pratte

In the Perceptual and Cognitive Neuroscience lab we investigate how the human brain is so good at perceiving, remembering, and later recognizing visual information in the world. By combining behavioral measures, EEG, and fMRI we are able to construct and test theories of how we see and remember both simple information such as colors, and more complex visual stimuli such as faces.

Dr. Pratte
prattems@psychology.msstate.edu
<http://pcn.psychology.msstate.edu/index.php>

Dr. Julia S. Soares

My research explores memory in the world: how we store information in the environment, as well as how memory functions in everyday settings. I am particularly interested in the effects of using digital technology on how we remember and think about remembering the past. For instance, one line of my work explores how photographing an event might change how that event is remembered relative to not photographing that event.

Students can contact me directly,
j.soares@msstate.edu
<https://juliassoares.com/>

Dr. Hossein Karimi

My research tries to understand how the human memory and language systems interact to enable us to speak and comprehend linguistic information.

As an example, one aspect of my work concerns understanding how we process pronouns such as “he” or “she”. These words are almost void of meaning, and we need to retrieve some information from the (immediate) past to be able to understand who the pronoun is referring to. I investigate into what memory factors enable us to make that connection when we process linguistic information in real time.

Hossein Karimi at
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