

***Seeking Cognitive and/or Computational Neuroscience Graduate Students
Accepting applications for Fall 2020. Rutgers University, Psychology and Neuroscience.***

We are seeking graduate students interested in the study of cognitive processes (e.g, memory, attention, language, category learning & neural computation) using neuroimaging techniques and computational modeling (computational modeling, Deep Learning, signal processing, statistical models). Our lab is focused on understanding the dynamics underlying brain response during the performance of various cognitive tasks. Within this overall framework, we have conducted research with both neurotypical and clinical populations (e.g., addiction, ASD, GAD), and have conducted studies focused on memory, language processing, preference decisions, face processing, and event perception. Our lab was jointly involved in the development of MVPA as well as IMAGES and other brain connectivity methods (Hansonlab has been continuously funded by NSF, McDonnell Foundation and NIH).

Dr. SJ Hanson (Psychology, RUBIC; please see attached highlighted bibliography) and Dr. C Hanson (CMBN, RUBIC) direct the lab and participates in both the Psychology graduate program and the Behavioral Neuroscience program. Dr. SJ Hanson is also Director of the Rutgers University Brain Imaging Center (RUBIC <http://rubic.rutgers.edu>). RUBIC houses a Siemens 3T Trio MR scanner (and has recently acquired a PRSIMA to site in Spring 2020) to collect MR data and a variety of resources are available to complete any MR neuroimaging study. The lab also has a compute cluster with dual P100 GPUs as well as access to larger clusters available on various campuses.

The campus is well serviced by train, subway, and bus service and is surrounded by a diversity of shops and restaurants. Manhattan is a twenty minute train ride from the Newark Penn Station and offers world class cultural and entertainment opportunities.

Application to the Rutgers Newark Psychology graduate program must be submitted by December 1, 2019, you should specify your interest in working in the **Hanson lab**. You can apply online: <https://sasn.rutgers.edu/academics-admissions/academic-departments/psychology/psychology-phd>

Application to the Rutgers Newark BNS graduate program must be submitted December 15, 2019 you should specify your interest in working in the **Hanson lab**. BNS Admissions (to apply online):<https://grad.admissions.rutgers.edu/GraduateProgram/Detail.aspx?code=26112°ree=PHD>

NOTE: Minority students who are US Citizens/Permanent Residents are especially encouraged to apply to our PhD programs for a fellowship through our NIH-funded *Minority Biomedical Research Support (MBRS)* program. See: <https://mbrs.newark.rutgers.edu/>

For further enquiry or arrange a visit to our lab and RUBIC please send email to either jose@rubic.rutgers.edu or cat@rubic.rutgers.edu