## Cognitive Neuroscience Systems Core

More info: <https://research.missouri.edu/cognitive-neuroscience-systems>

The Cognitive Neuroscience Systems (CNS) Core provides laboratory space and instrumentation required for conducting translational cognitive neuroscience research. The goal of the CNS core is to support investigators who seek to advance our understanding of basic brain processes and neuropathophysiological conditions and evaluate the efficacy of novel treatments for improving human health and well-being. The core provides user training in experimental design, data collection, and analysis. The CNS houses a research-dedicate Siemens 3T PRISMA Fit MRI scanner with a Mock Scanner as well as a subject interview and changing room. The CNS includes a Transcranial Magnetic Stimulation (TMS) suite with equipment required for neuronavigation-guided TMS research and can conduct psychophysiological recordings through BIOPAC systems. CNS houses six experimental testing rooms for cognitive/behavioral experiments and its ancillary equipment includes facilities and equipment for smoking research, clinical rooms for biological specimen collections, a centrifuge, and a negative 80-degree freezer. The CNS also has a dedicated suite for High Density EEG (HD-EEG) recording via the MagStimEGI Geodesic EEG System.