



Thursday
November 18
6:00 PM

“Can brain science help us understand how we should learn math?”



Macarena Suarez-Pellicioni, PhD

Assistant Professor
Educational Psychology
University of Alabama

Dr. Suárez-Pellicioni is an Assistant Professor in the Educational Neuroscience concentration at the University of Alabama. She uses event-related potentials (ERPs) and functional magnetic resonance imaging (fMRI) to understand how the brain process mathematics. Using longitudinal fMRI data, she has studied the neurocognitive mechanisms driving longitudinal changes over time in arithmetic skills in children. Some of her projects have studied the directionality of the effects between different numeric abilities, the changes in brain activation and brain connectivity associated with improvement over time, and the interaction between cognitive and more affective factors.



Firat Soylu, PhD

Associate Professor
Educational Psychology
University of Alabama

Dr. Soylu is an Associate Professor of Educational Psychology and Neuroscience at the University of Alabama. His research focuses on mathematical thinking and learning, math learning disability, and the evolutionary and bodily origins of cognitive skills, using behavioral, electrophysiological, neuroimaging and computational modeling methods. He studies diverse populations (e.g., typical, ASD, bilingual). He is eager to investigate biological mechanisms supporting cognition with interdisciplinary teams. Dr. Soylu lead the development of a PhD concentration and an undergraduate major in educational neuroscience, and is currently directing the undergraduate educational neuroscience program.

This UAB CNC Neuroscience Café is a **virtual event** sponsored by the Homewood, Hoover and Mt. Brook Libraries.

Register for Zoom Meeting

https://uab.zoom.us/meeting/register/tZYlceqtqTsjEtp3FopqY_8cTyCsZAnUNgV