



**THE PSYCHOLOGY DEPARTMENT IS PLEASED  
TO ANNOUNCE:**

**Human spatial navigation and episodic memory:  
Inspiration and divergence from rodent neural models**

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Department of Psychology  
University of Arizona**

**Friday, September 6th @ 3:00pm  
Room 311, Modern Languages**

While the field has made significant progress in understanding how other species navigate, many fundamental questions remain regarding how humans accomplish this important everyday function. Relatedly, episodic memory, our memory for events, is also key to our daily lives yet its neural basis is unclear. In this talk, we present findings from behavioral, intracranial encephalography (EEG), scalp EEG, functional magnetic resonance imaging (fMRI), and lesion studies that provide novel insight into how we navigate and remember everyday events. We will consider how neural diseases like stroke and healthy aging can impact these important functions and how our understanding of their mechanistic basis can inspire potential interventions to mitigate such effects.