

The Davachi Memory Lab

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Research Projects

The Davachi Lab generally is concerned with two primary research projects:

Mechanisms of memory consolidation

As time passes after an initial learning experience, our memories do not remain perfectly unchanged. They may become more durable, may gradually lose their level of precision and detail, or may become incorporated into existing knowledge structures that inform and constrain our understanding of the world around us. These changes, in turn, are thought to be accompanied by transformations in how such memories are represented in the brain, both in the medial temporal lobe and the surrounding cortex.

Temporal structure of episodic memory

Although our lives unfold continuously across time, we often remember our experiences as sequences of discrete events. How, then, do we derive structure from this constant stream of information? What neural and behavioral mechanisms might support our ability to organize, bind, or segment our everyday experiences into meaningful mnemonic events?

Contact Information

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