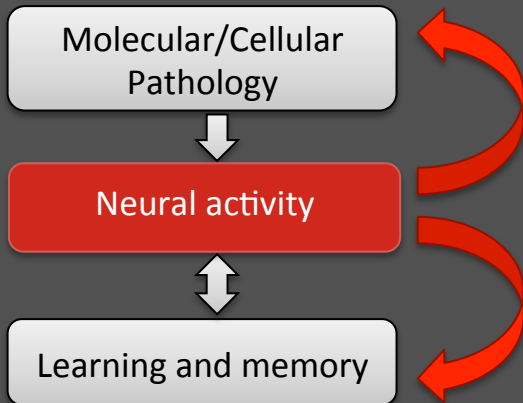


# NEW APPROACHES TO ALZHEIMER'S: NEURAL STIMULATION

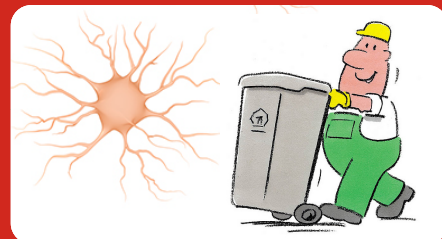
Annabelle Singer  
Assistant Professor



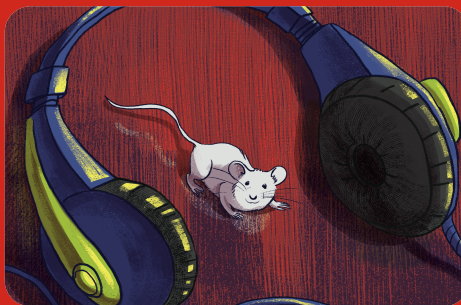
Funding provided by: Packard Foundation Fellowship; Friends and Alumni of Georgia Tech; NIH NINDS R01-NS109226; T32 NS007480-18; Devices and funding for human study provided by Cognito Therapeutics. Dr. Singer owns shares in Cognito Therapeutics.

Stimulating gamma recruits  
immune cells & signals and  
reduces pathogens

Iaccarino\*, Singer\* et al. *Nature* 2016



Non-invasive sensory flicker  
targets memory circuits



Martorell\*, Paulson\*, et al. *Cell* 2019

Human trials underway



Devices from Cognito Therapeutics

Approach could apply to many diseases



Goizueta Alzheimer's  
Disease Research Center



Wallace H. Coulter Department of Biomedical Engineering  
Georgia Tech College of Engineering and Emory School of Medicine



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