



Discovery Science  
Emerging Scholars Lecture

# “Cerebrovascular and Neuroimmune Mechanisms of Cognitive Impairment in Hypertension”



Monica Santisteban, Ph.D.  
Instructor in Neuroscience  
Brain and Mind Research Institute,  
Weill Cornell Medicine

Dementia affects almost 50 million adults worldwide, and is a major cause of death and disability. Vascular risk factors, such as hypertension and high-dietary salt, have gained importance since up to 50% of clinically diagnosed Alzheimer disease have a mixed pathology at autopsy including cerebrovascular lesions. Thus, elucidating novel mechanisms by which hypertension negatively impacts neurovascular and cognitive function is a necessary step to develop new approaches to protect the brain from hypertension. We have identified two distinct immune mechanisms, involving brain resident perivascular macrophages and circulating IL-17, contributing to cognitive impairment in mouse models of hypertension.

Thursday  
April 21, 2022  
9:30 am CT  
PRB 206

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