Weekly Colloquium
Tuesday, 5/30/2017, 12:30pm, Billings Building – Rosedale Conference Room

“Chromatin to Cognition: The Epigenetic Basis of Norma Cognitive Aging”

James F. Castellano, MD, PhD
Chief Resident
Saul Korey Department of Neurology
Montefiore Medical Center

Research Abstract
Our laboratory has been interested in understanding the molecular underpinnings of normal cognitive aging. Normal cognitive aging, hallmarked by structural preservation, represents a significant compromise of the dynamic mechanisms of learning-related plasticity. One of these dynamic mechanisms appears to be epigenetic modification. We have evaluated the role of post-translational epigenetic modifications as well as epigenome-modifying enzyme regulation in relation to learning and memory in a rodent model of normal cognitive aging. Our results to date speak to nuanced epigenetic control of learning and memory in an experience-dependent manner.

Recent Publications:
