Sports, concussions and aging: a neuroscience perspective
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Abstract
Concussion, also known as mild traumatic brain injury, has gained in notoriety throughout the past decade partly due to publicity related to competitive sports at the collegiate and professional levels. This micro-seminar will examine the nature, mechanisms and potential consequences of concussions from a neuroscience perspective. Participants will be introduced to cutting-edge scientific knowledge on concussion effects upon the brain and will explore how concussions may alter aging processes throughout the lifespan. Converging evidence from gerontology, neuroscience, imaging science, psychology and other disciplines will be examined to provide a thoroughly-grounded overview of concussion and of its implications to public health.

Faculty Biography
Dr. Andrei Irimia is Assistant Professor of Gerontology, Biomedical Engineering and Neuroscience at the University of Southern California. His research laboratory utilizes magnetic resonance imaging, brain wave analysis and other sophisticated techniques to study concussion effects upon the brain. Dr. Irimia holds a PhD in biophysics from Vanderbilt University and has completed postgraduate research in neuroimaging and brain mapping at UCSD and UCLA.