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“Novel Genes and Pathways Contributing to the Pathogenesis of Alzheimer’s and Related Diseases”

Alzheimer’s disease (AD) is an incurable and fatal brain-wasting disorder that causes memory loss and progressive dementia in the elderly. Although familial AD has been attributed to mutations in neuronal genes e.g., APP and PS1 which enhance pathogenic amyloid generation; recent identification of AD-associated single nucleotide polymorphisms (SNPs) enriched in microglia by GWAS implicates a role for glial dysfunction in AD pathogenesis. Given that the mechanisms underlying microglia-associated AD pathogenesis are largely unknown, I will discuss our current research focused on characterizing neuroprotective and degenerative mechanisms that affect AD onset. Our work has identified new pathways in both neurons and microglia that alter Abeta-induced neurodegeneration, which may lay fundamental groundwork in enhancing neuroprotection in future drug discovery efforts.

Seminar host: Dr. Berislav Zlokovic

Note Special Day and Time

**Tuesday,
January 22, 2019
2:30p.m. – 3:30p.m.**

Herklotz Seminar Room/ ZNI 112
USC Health Sciences Campus
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Webcast link: <http://keckmedia.usc.edu/mediasite/catalog/catalogs/zniseminars.aspx>