Is Pleased to Announce A Seminar
Presented by
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Friday, December 6, 2019
At 1:30 pm
SLSRC 3410/3430

Comprehensive Proteomics and Lipidomics Strategies to Advance Disparities Research in Alzheimer’s Disease

Certain racial/ethnic subpopulations are disproportionately affected by Alzheimer’s disease. For example, African Americans and Hispanics have one and a half to three times higher incidence rates compared to non-Hispanic Whites. African Americans also have higher incidence of hypertension, diabetes, high cholesterol, obesity, and cardiovascular disease in adults. These comorbidities increase risk for Alzheimer’s disease and currently a molecular understanding of how this occurs does not exist. Recently, we have begun to better understand this using comprehensive proteomics and lipidomics mass spectrometry-based approaches of human plasma and post-mortem brain and peripheral tissues from animal models. This presentation will discuss the various proteomic and lipidomics approaches established, results from pilots with small cohorts of Alzheimer’s disease patients, and the implications of these findings for understanding disease pathogenesis especially as it relates to racial/ethnic disparities in Alzheimer’s disease.

Refreshments will be served at 1:30 pm