Weekly Colloquium
Tuesday, 04/19/2016, 12:30pm, Billings Building – Rosedale Conference Room

“Synaptic dysfunction of Munc18-1/STXBP1 in infantile epileptic encephalopathies”

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Research Abstract
Our long-term goal is to identify early pathogenic events at the synapse that trigger neurological and neurodegenerative diseases, in order to develop strategies to combat these events and thereby delay or prevent disease. We are interested in 1) the synaptic function and dysfunction of synucleins in Parkinson’s disease and related synucleinopathies, 2) the synaptic dysfunction of Munc18-1/STXBP1 in infantile epileptic encephalopathies, and 3) identifying early, disease-triggering events at the synapse that trigger neurodegeneration in Parkinson’s and Alzheimer’s disease. To address these aims, we employ a variety of technologies, including biochemistry, cell biology, imaging, and C. elegans and mouse models of neuropathology.

Recent publications:


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