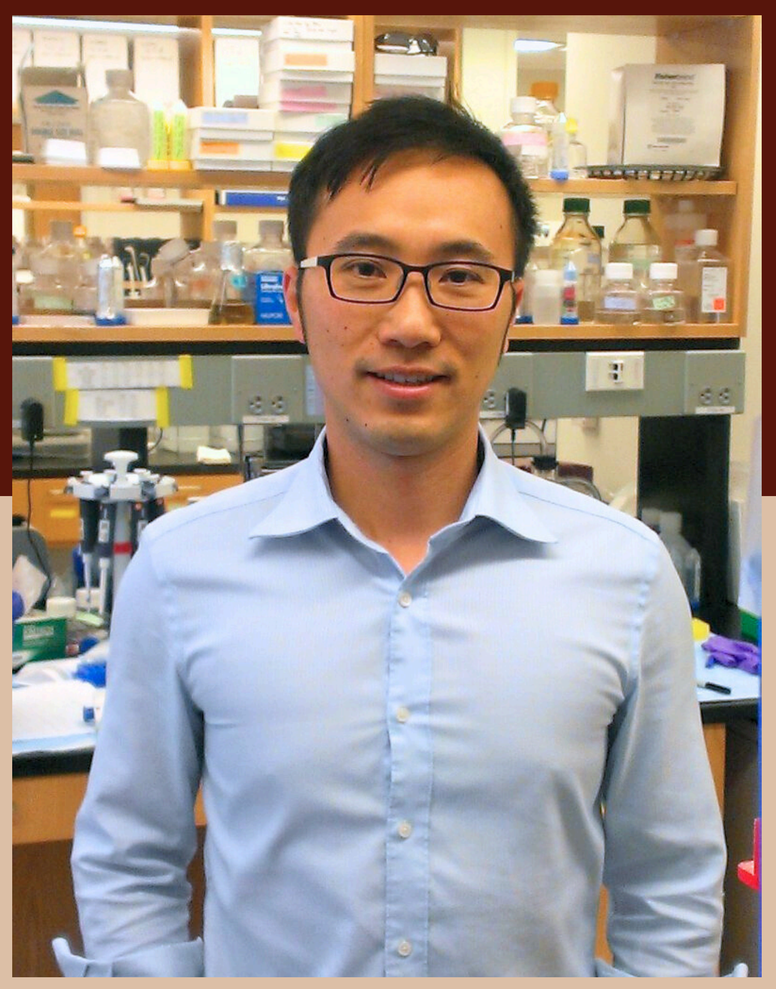
SCIENCE HALL SEMINARS

SPONSOR: Dept. of Biological & Biomedical Sciences

RowanUniversity
COLLEGE OF SCIENCE & MATHEMATICS
School of Earth & Environment

Dissecting the progression of synucleinopathies using seed-based models



Kelvin Luk, Ph.D.
University of Pennsylvania
Research Associate Professor of Pathology and Laboratory Medicine

Abstract: Elpha-synuclein represents a major protein component of Lewy pathology found in Parkinson's disease and related neurodegenerative disorders. Mounting evidence indicates that misfolded alpha-synuclein is capable of self-replication in a prion-like process and is transmitted across neuronal networks.

The mechanisms that govern these processes are still being elucidated, as are the downstream consequences that contribute to neurodegeneration. This presentation will review our recent data from cell and animal models that leverage this seeding phenomenon to understand local and global processes that influence synucleinopathy progression, and how they might contribute to the disease trajectories observed in human Lewy body diseases.

Wednesday, February 11th | 2:00pm-3:15pm | Science Hall 126 & Zoom

For more information, visit our website: go.rowan.edu/sciencehallseminars