

## CRISPR based functional genomics for studying protein quality control and neurodegeneration

### ABSTRACT

Aberrant processing, aggregation and stability of specific genes is a hallmark of many neurodegenerative diseases. I will describe our labs efforts, combining the development of sensitive fluorescence readouts with marker based, genome-wide CRISPR screens to map the regulatory network that control such events including some preliminary data from a screen for protein aggregation in the cell nucleus.

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**TUESDAY,  
May 15, 2018**

**3:00pm - 4:00pm**

**John Morgan Building,  
Class of 62 Auditorium**