

Supplemental movie legends.

Movie S1. Live cell imaging video of cluster dynamics in GFP-LC3 neurons treated with IFN β . GFP-LC3 neurons were plated on glass-bottomed dishes, and four days later were treated with 12.5 u/ml IFN β . The video was acquired 12 hours after treatment and shows a single neuron in which a representative cluster exhibits continuous dynamic motion without loss of integrity or recruitment of new vesicles from the cytoplasm. The movie consists of 61 frames, one frame per 2 minutes, representing ~2 hours of real time. Images were acquired in a Z-stack consisting of 20 sections, 1 μ m per section. Cultures were imaged in phenol red-free NB-A complete medium on an Olympus IX83 TIRF-4 microscope equipped with a controlled environment stage.

Movie S2. Live cell imaging video of cluster dynamics in GFP-LC3 neurons treated with IFN β and bafilomycin. GFP-LC3 neurons were plated on glass-bottomed dishes, and four days later were treated with 12.5 u/ml IFN β for 12 hours, then treated with 100nM bafilomycin and imaged for 4 hours. The video shows a single neuron in which a representative cluster exhibits loss of stability. Smaller GFP+ vesicles migrate proximally without aggregation with the cluster. The movie consists of 17 frames, one frame per 15 minutes, representing ~4 hours of real time. Images were acquired in a Z-stack consisting of 20 sections, 1 μ m per section. Cultures were imaged in phenol red-free NB-A complete medium on an Olympus IX83 TIRF-4 microscope equipped with a controlled environment stage.