

## Supporting Information for

Tau fibrils induce nanoscale membrane damage and nucleate cytosolic tau at lysosomes

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### This PDF file includes:

Legends for Movies S1 and S2  
Legends for Datasets S1 and S2

### Other supporting materials for this manuscript include the following:

**Movie S1:** A 3D STORM example of a lysosome (magenta) with K18.tau aggregates (green) from PFF-treated astrocytes is shown and rotated.

**Movie S2:** A 3D STORM example of a PFF (magenta) with K18.tau aggregates (green) from PFF-treated astrocytes is shown and rotated.

**Data set S1:** Single cell P Values from two-way ANOVA comparison from the pHLARE experiment Figure 1B. All three biological replicate data is included for each treatment.

**Data set S2:** Data for the three individual Linear Regressions determined in the pHLARE experiment Figure 1E