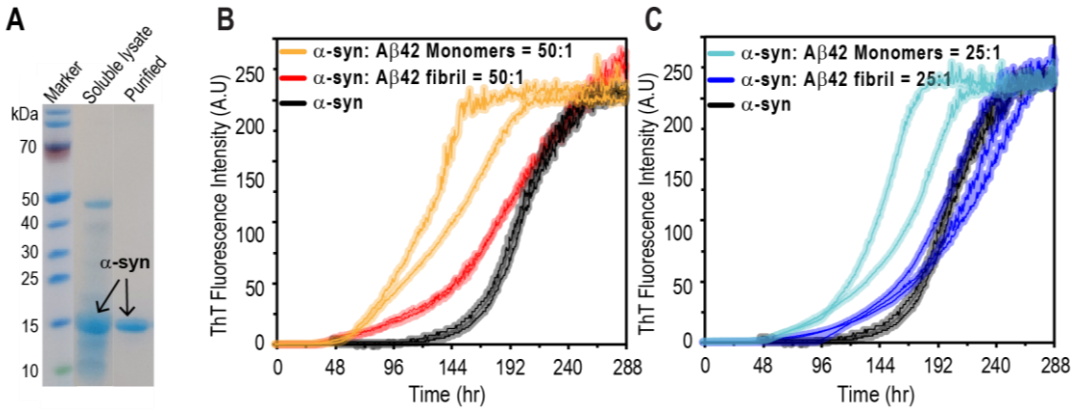

Fig. 1. (**A**) SDS page gel image of the purified α-syn monomer, confirming the pure α-syn monomer with ~14kDa of molecular weight. (**B**) ThT fluorescence intensities of α-syn alone (black), with Aβ42 PFFs (red), or Aβ42 monomers (orange) at an α-syn: Aβ42 ratio of 50:1. (**C**) ThT fluorescence intensities of α-syn alone (black), with Aβ42 PFFs (blue), or Aβ42 monomers (light blue) at an α-syn: Aβ42 ratio of 25:1.

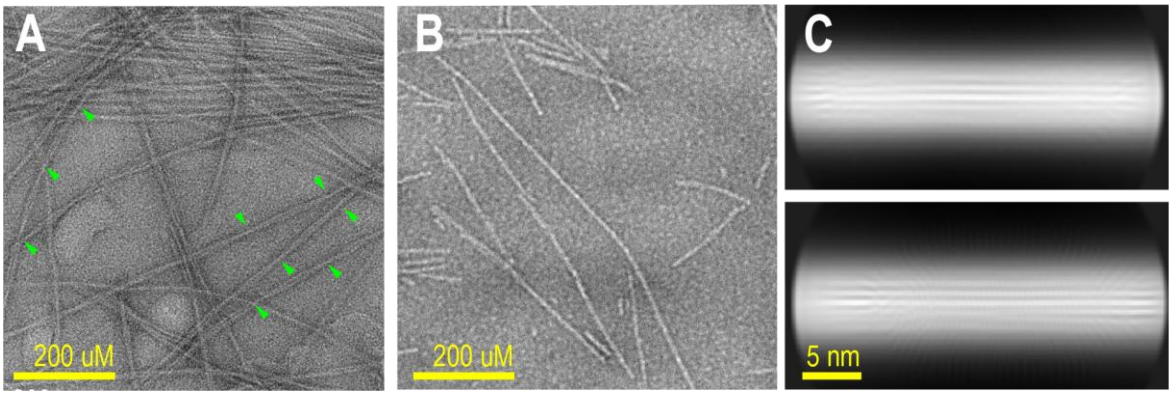

Fig. 2. Negatively stained TEM images of α-syn fibrils formed in the presence of Aβ42 fibrils (**A**) and in the absence of Aβ42 (**B**). Green arrows in (**A**) indicate twisted fibrils. (**C**) Cryo-EM 2D class average image of untwisted α-syn fibrils formed in the absence of Aβ42.

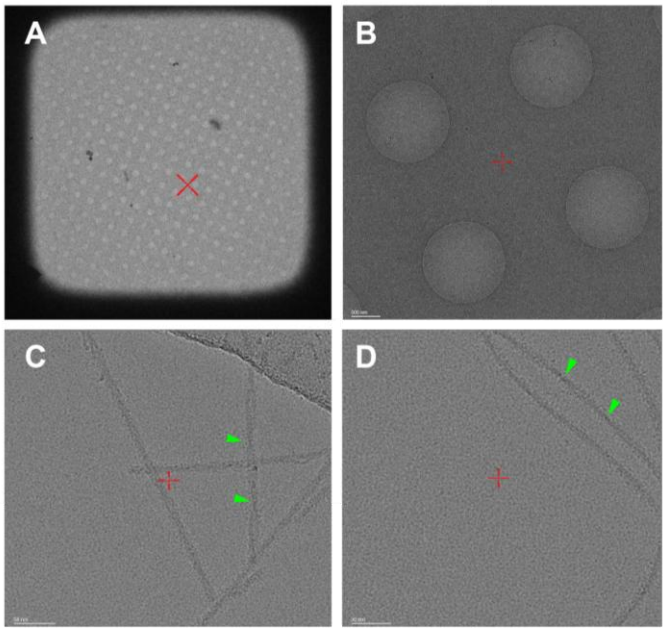

Fig. 3. Examples of cryo-EM images of α-syn amyloid fibrils grown with Aβ42 fibrils, obtained on a Glacios microscope. Representative images of squares (**A**) and holes of the grid (**B**), and frozen fibrils (**C, D**). The images confirm appropriate ice thickness and the presence of well-distributed twisted α-syn fibrils, indicating suitability for data collection.