

A newly discovered mechanism reveals how Parkinson's disease can spread between brain cells

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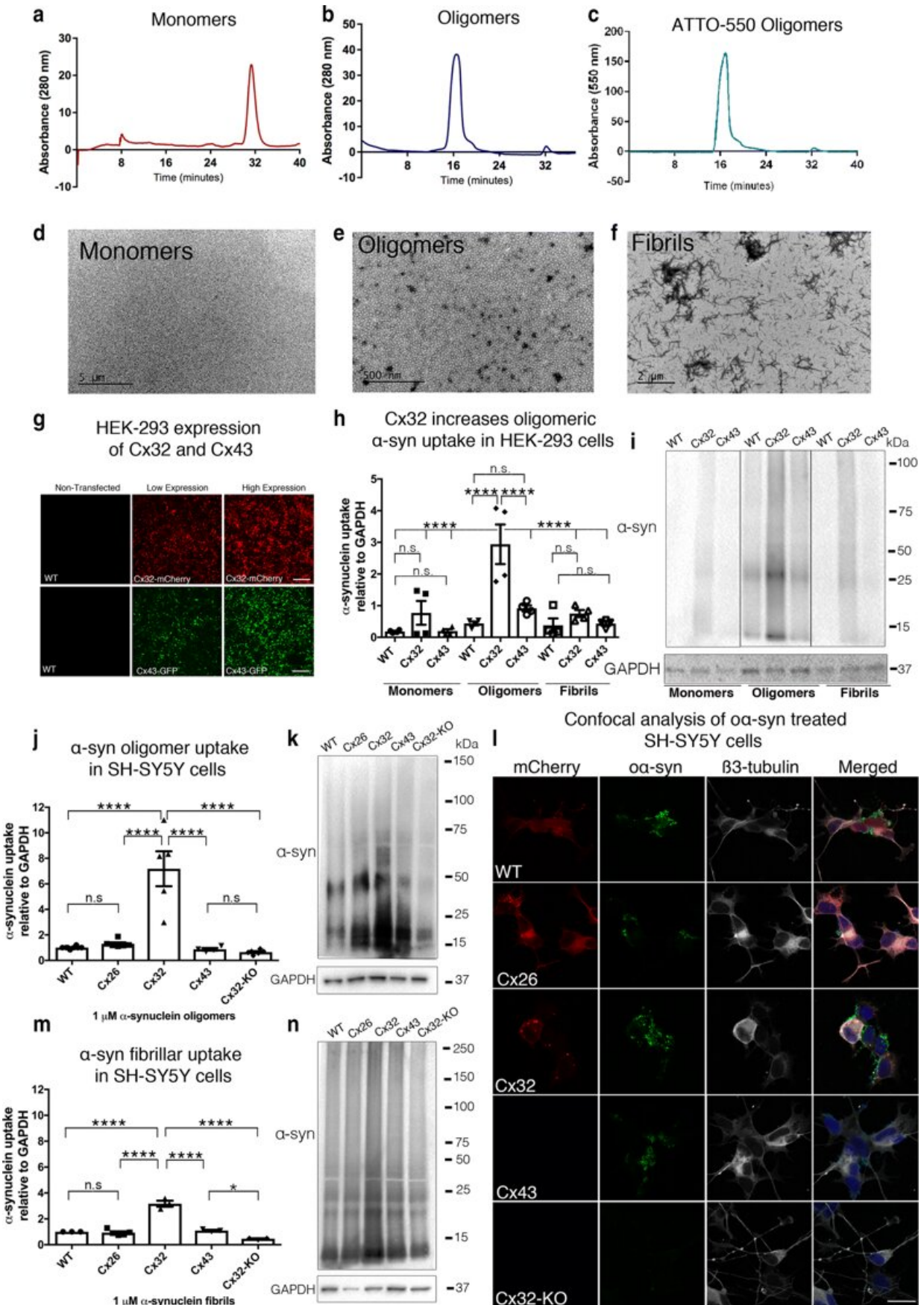


Fig. 1 Cx32 facilitates the uptake of α -syn preferentially to monomers or fibrillar assemblies. a SEC analysis of α -syn monomers or b oligomeric α -syn (α -syn) assemblies at 280 nm absorbance. c SEC confirmation of labeled ATTO-550 α -syn assemblies at 550 nm absorbance. d TEM characterization of α -syn monomers, e oligomers, or f fibrillar assemblies; scale bars represent 5 μ m, 500 nm, and 2 μ m, respectively. g Confocal image analysis of non-transfected wild-type (WT) or transfected HEK-293 cells with low (15 μ g) or high (50 μ g) expression of Cx32-mCherry or Cx43-GFP plasmid constructs. Scale bars represent 200 μ m. h Densitometric analysis of i Western blot of monomeric, oligomeric or fibrillar α -syn uptake in WT HEK-293 cells or HEK-293 cells expressing Cx32 or Cx43 (n = 4, two-way ANOVA followed by Tukey's post hoc test for multiple comparisons, n.s. = no significance, F(8, 24) = 13.1, ****p

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