

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

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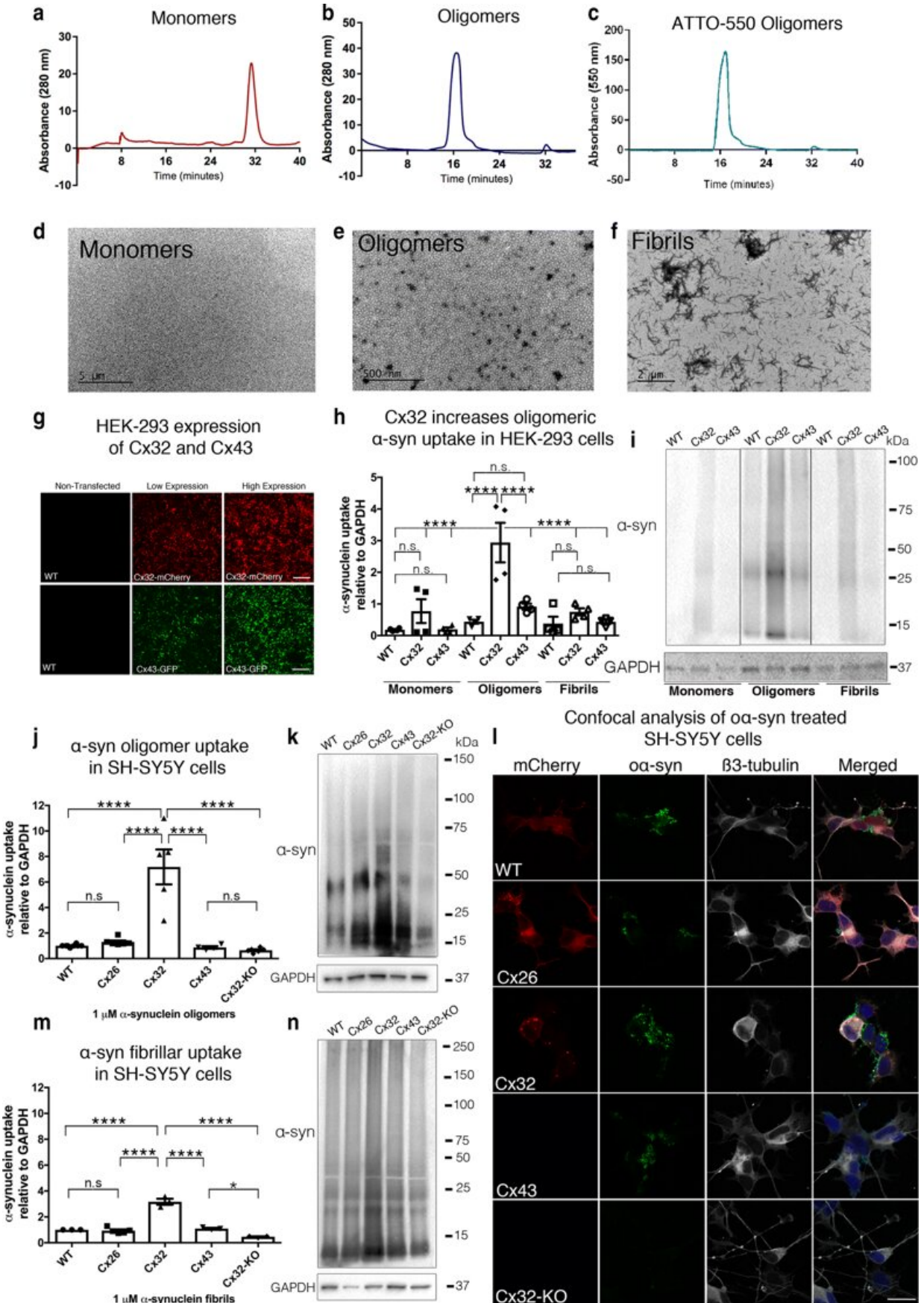


Fig. 1 Cx32 facilitates the uptake of  $\alpha$ -syn preferentially to monomers or fibrillar assemblies. a SEC analysis of  $\alpha$ -syn monomers or b oligomeric  $\alpha$ -syn ( $\alpha$ -syn) assemblies at 280 nm absorbance. c SEC confirmation of labeled ATTO-550  $\alpha$ -syn assemblies at 550 nm absorbance. d TEM characterization of  $\alpha$ -syn monomers, e oligomers, or f fibrillar assemblies; scale bars represent 5  $\mu$ m, 500 nm, and 2  $\mu$ m, respectively. g Confocal image analysis of non-transfected wild-type (WT) or transfected HEK-293 cells with low (15  $\mu$ g) or high (50  $\mu$ g) expression of Cx32-mCherry or Cx43-GFP plasmid constructs. Scale bars represent 200  $\mu$ m. h Densitometric analysis of i Western blot of monomeric, oligomeric or fibrillar  $\alpha$ -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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