

[Mouse Models](#)[MSA/OPCA](#)[Publication](#)

CNP-SNCAGFP Tg mice

IDENTIFICATION

| | |
|-------------------------|---|
| Causal gene(s) | Sporadic |
| Repeat size or mutation | expressing human τ syn-green fluorescent protein (GFP) fusion proteins in oligodendrocytes |
| Animal model | Mouse |

MODEL DETAILS

| | |
|---------------------------|------------|
| Mouse strain / background | C57BL6/J |
| Type of model | Transgenic |

TRANSGENIC CONSTRUCT

| | |
|-------------------------------------|--|
| Transgenic construct: sequence type | cDNA for human τ -synuclein expression |
| Transgenic construct: details | The coding sequence of human τ synGFP or τ syn was cloned into the pBSK plasmid harboring the murine 2',3'-cyclic nucleotide 3'-phosphodiesterase (CNP) promoter |
| Promoter: gene | CNP |
| Promoter: species | Mouse |

PHENOTYPE

| | |
|-------------------|--|
| Hallmark features | τ -synuclein inclusions in oligodendrocytes |
|-------------------|--|

SOURCE & PUBLICATIONS

| | |
|---|--|
| Originating lab / institution | Kyoto University |
| Links to publications or public resources | A novel mouse model for investigating u03b1-synuclein aggregates in oligodendrocytes: implications for the glial cytoplasmic inclusions in multiple system atrophy - PubMed https://pubmed.ncbi.nlm.nih.gov/38790036/ |