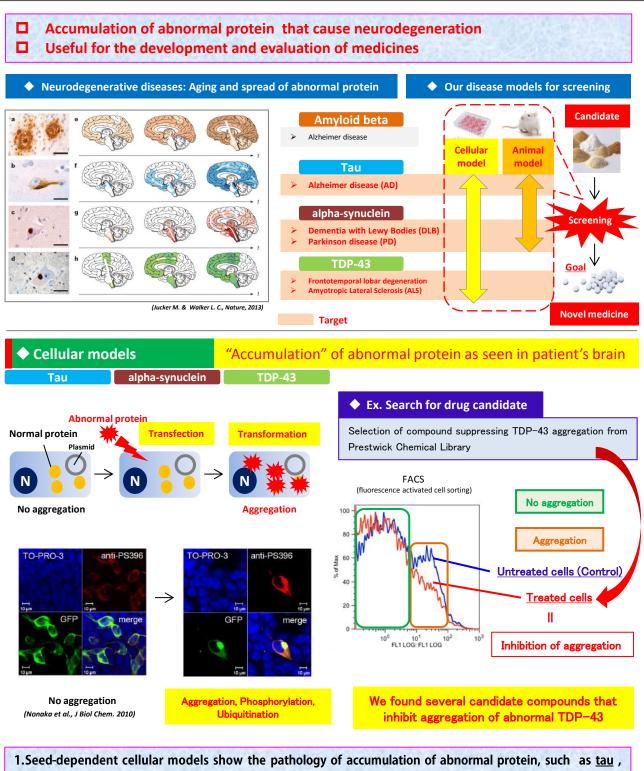
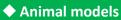
## Alzheimer disease, Dementia with Lewy bodies, Parkinson disease, ALS Cellular and Animal Models of Neurodegenerative diseases ~ efficient evaluation of medicine~



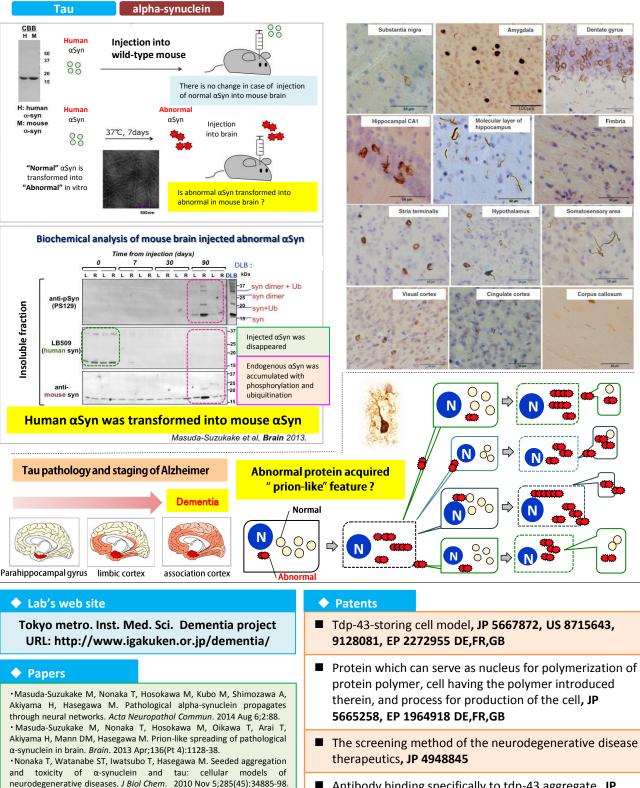
alpha-synuclein, and TDP-43.

2. These models are useful for the evaluation of medicine that inhibit the progression of AD, DLB, PD, ALS, etc.

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## "Propagation" of abnormal protein as seen in patient's brain



- Antibody binding specifically to tdp-43 aggregate, JP 5439176, US 8940872, EP 2189526 BE,DE,FR,GB,NL
- Method for producing insoluble aggregate of neurodegenerative-disease-related protein, CN 201280044001.5



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Phosphorylated and ubiquitinated TDP-43 pathological inclusions in ALS and FTLD-U are recapitulated in SH-SY5Y cells. *FEBS Lett.* 2009 Jan

•Nonaka T, Kametani F, Arai T, Akiyama H, Hasegawa M. Truncation and

pathogenic mutations facilitate the formation of intracellular aggregates

of TDP-43. Hum Mol Genet. 2009 Sep 15;18(18):3353-64.

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