

## Accepted Manuscript

Title: MicroRNA-7 facilitates the degradation of alpha-Synuclein and its aggregates by promoting autophagy

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PII: S0304-3940(18)30336-7  
DOI: <https://doi.org/10.1016/j.neulet.2018.05.009>  
Reference: NSL 33587

To appear in: *Neuroscience Letters*

Received date: 16-4-2018  
Accepted date: 4-5-2018

Please cite this article as: Doo Chul Choi, Myungsik Yoo, Savan Kabaria, Eunsung Junn, MicroRNA-7 facilitates the degradation of alpha-Synuclein and its aggregates by promoting autophagy, Neuroscience Letters <https://doi.org/10.1016/j.neulet.2018.05.009>

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**MicroRNA-7 facilitates the degradation of alpha-Synuclein and its aggregates by promoting autophagy**

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**Highlights:**

- miR-7 decreases  $\alpha$ -Syn expression independent of targeting 3'-UTR of its mRNA.
- miR-7 facilitates the degradation of  $\alpha$ -Syn and its aggregates by promoting autophagy.
- miR-7 accelerates the degradation of pre-formed fibrils of  $\alpha$ -Syn transported from outside the cells.

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