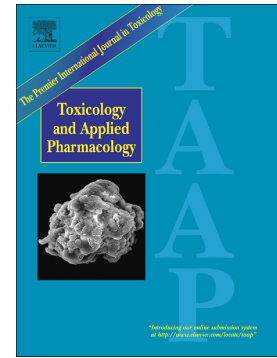


Accepted Manuscript

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PII: S0041-008X(18)30403-4
DOI: [doi:10.1016/j.taap.2018.09.003](https://doi.org/10.1016/j.taap.2018.09.003)
Reference: YTAAP 14382
To appear in: *Toxicology and Applied Pharmacology*
Received date: 30 December 2017
Revised date: 1 September 2018
Accepted date: 4 September 2018

Please cite this article as: Gwan Ui Hong, Jin Whan Cho, Soo Youl Kim, Joo Ho Shin, Jai Youl Ro , Inflammatory mediators resulting from transglutaminase 2 expressed in mast cells contribute to the development of Parkinson's disease in a mouse model. *Ytaap* (2018), doi:[10.1016/j.taap.2018.09.003](https://doi.org/10.1016/j.taap.2018.09.003)

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Inflammatory mediators resulting from transglutaminase 2 expressed in mast cells contribute to the development of Parkinson's disease in a mouse model

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Short title: Parkinsonism caused by mast cell-expressed TG2

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Abbreviations: BMDCs, Bone marrow-derived mast cells; DA neurons, Dopaminergic neurons; DAT, dopamine transporter; LTs, Leukotrienes; MAO_B, Monoamine oxidase B; MMP⁺, 1-methyl-4-phenylpyridinium; MPTP, 1-methyl-4-phenyl-1,2,3,6-tetrahydropyridine; PD, Parkinson's disease; SN, Substantia nigra; TG2, Transglutaminase 2; TG2^{-/-}, TG2 knockout (KO); TH, Tyrosine hydroxylase; WT, Wild type.

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