

Hyung-Jun Kim, Ph.D.

Position : Principal Researcher

Department : Dementia Research Group

Affiliation : Korea Brain Research Institute

Office : 4-1

E-mail : kijang1@kbri.re.kr

Homepage :

http://www.kbri.re.kr/new/pages_lab/sub/page.html?mc=2062**Education**

1996.03-2000.02	B.S	Seoul National University, School of Biological Sciences
2000.03-2007.02	Ph.D	Seoul National University, School of Biological Sciences

Professional Experience

2007 - 2008	Postdoctoral fellow	Seoul National University, School of Biological Sciences
2008 -2013	Postdoctoral fellow	UPENN/HHMI
2013 - Present	Senior/Principal researcher	KBRI
2020 - Present	Director of Research Division	KBRI

Academic Society

2020 - Present	Chair, Academics Committee	The Korean Society for Drosophila
2019 - Present	Member, Academics Committee	The Korean Society for Neurodegenerative disease
2020 - Present	Member, Academics Committee	The Korean Society for Brain and Neuroscience

Publications (Selected)

Andrew C. Elden *, **Hyung-Jun Kim***, Michael P. Hart*, Alice S. Chen-Plotkin*, Brian S. Johnson, Xiaodong Fang, Maria Armakola, Felix Geser, Robert Greene, Min Min Lu, Arun Padmanabhan, Dana Clay-Falcone, Leo McCluskey, Lauren Elman, Denise Juhr, Peter J. Gruber, Udo Rüb, Georg Auburger, John Q. Trojanowski, Virginia M.-Y. Lee, Vivianna M. Van Deerlin, Nancy M. Bonini & Aaron D. Gitler. (2010) Ataxin-2 intermediate-length polyglutamine expansions are associated with increased risk for ALS. Nature. August 26; 466(7310):1069-75. ***These Authors equally contributed. Nature News and Views. F1000 must read.**

Hyung-Jun Kim, Alya R Raphael, Eva S LaDow, Leeanne McGurk, Ross A Weber, John Q Trojanowski, Virginia M-Y Lee, Steven Finkbeiner, Aaron D Gitler & Nancy M Bonini. (2014)

Therapeutic modulation of eIF2 α phosphorylation rescues TDP-43 toxicity in amyotrophic lateral sclerosis disease models. *Nature Genetics*. Feb;46(2):152-60.

Shinrye Lee*, Seyeon Kim*, Ha-Young Kang, Hye Ryeong Lim, Younghwi Kwon, Myungjin Jo, Yu-Mi Jeon, Sang Ryong Kim, Kiyoung Kim, Chang Man Ha, Seongsoo Lee#, **Hyung-Jun Kim**# (2020) The overexpression of TDP-43 in astrocytes causes neurodegeneration via a PTP1B mediated inflammatory response. *Journal of Neuroinflammation*, 17:299.

Shinrye Lee, Yu-Mi Jeon, Sun Joo Cha, Seyeon Kim, Younghwi Kwon, Myungjin Jo, You-Na Jang, Seongsoo Lee, Jaekwang Kim, Sang Ryong Kim, Kea Joo Lee, Sung Bae Lee, Kiyoung Kim & **Hyung-Jun Kim** (2020). PTK2/FAK regulates UPS impairment via SQSTM1/p62 phosphorylation in TARDBP/TDP-43 proteinopathies. *Autophagy*, 1-17.
doi:10.1080/15548627.2019.1686729.

Shinrye Lee, Myungjin Jo, Hye Eun Lee, Yu-Mi Jeon, Seyeon Kim, Younghwi Kwon, Junghwa Woo, Shin Han, Ji Young Mun, **Hyung-Jun Kim** (2021). HEXA-018, a Novel Inducer of Autophagy, Rescues TDP-43 Toxicity in Neuronal Cells. *Frontiers in pharmacology*, 12, 747975.
doi:10.3389/fphar.2021.747975

Sun Joo Cha, Seongsoo Lee, Hyun-Jun Choi, Yeo Jeong Han, Yu-Mi Jeon, Myungjin Jo, Shinrye Lee, Minyeop Nahm, Su Min Lim, Seung Hyun Kim, **Hyung-Jun Kim**#, Kiyoung Kim# (2022). Therapeutic modulation of GSTO activity rescues FUS-associated neurotoxicity via deglutathionylation in ALS disease models. *Developmental cell*, 57(6), 783–798.e8.
doi:10.1016/j.devcel.2022.02.022. # **corresponding author.**