

Chang Hoon Ji, PhD

Position: Postdoctoral Fellow / Executive Director

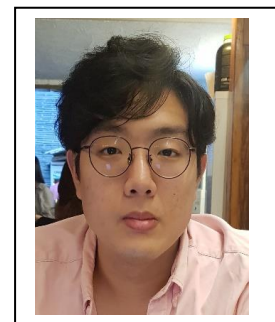
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**Education**

2010.09-2014.06	B.S. / B.S.	Johns Hopkins University (Biomedical Engineering & Applied Mathematics & Statistics)
2014.09-2016.06	M.S.	Seoul National University, College of Medicine (Biomedical Sciences)
2016.09-2021.08	Ph.D.	Seoul National University, College of Medicine (Biomedical Sciences)

Professional Experience

2018.11-present	Executive Director	AUTOTAC Bio, Bio R&D Center
2021.09-present	Postdoctoral Fellow	Cellular Degradation Biology Center, Seoul National University, College of Medicine+

Academic Society

2014.09-present	Member	Korean Society for Biochemistry and Molecular Biology (KSBMB)
2014.09-present	Member	Korean Society for Molecular and Cellular Biology (KSMCB)
2019.09-present	Member	International Society for Protein Termini (ISPT)

Publications

- Ji, C.H.**, Kim, H.Y., Lee, M.J., Heo, A.J., Park, D.Y., Lim, S. et al. (2022). The AUTOTAC chemical biology platform for targeted protein degradation via the autophagy-lysosome system. *Nat. Comms.* **13**: 904
- Heo, A.J., Kim, S.B., **Ji, C.H.**, Han, D., Lee, S.J., Lee, S.H. et al. (2021). The N-terminal cysteine is a dual sensor of oxygen and oxidative stress. *Proc. Natl. Acad. Sci. USA.* **118**: E2107993118
- Ji, C.H.**, Kim, H.Y., Heo, A.J., Lee, M.J., Park, D.Y., Kim, D.H. et al. (2020). Regulation of reticulophagy by the N-degron pathway. *Autophagy* **16**: 373-375
- Ji, C.H.**, Kim, H.Y., Heo, A.J., Lee, S.H., Lee, M.J., Kim, S.B et al. (2019). The N-degron pathway

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- Yoo, Y.D., Mun, S.R., **Ji, C.H.** et al. (2018). N-terminal arginylation generates a bimodal degron that modulates autophagic proteolysis. *Proc. Natl. Acad. Sci. USA* **115**: E2716-E2724
- Zhang, Y., Mun, S.R., Linares, J.F., Ahn, J., Towers, C.G., **Ji, C.H.** et al. (2018). ZZ-dependent regulation of p62/SQSTM1 in autophagy. *Nat. Comms.* **9**: 4373
- Ji, C.H.**, Kwon, Y.T. (2017). Crosstalk and interplay between the ubiquitin-proteasome system and autophagy. *Mol. Cells.* **40**: 441-449
- Jeong, M.N., Jang, E.K., Choi, S.S., **Ji, C.H.**, Lee, K.H., Youn, J.H. (2017). The function of FK506-binding protein 13 in protein quality control protects plasma cells from endoplasmic reticulum stress-associated apoptosis. *Front. Immunol.* **8**: 222
- Yoo, Y.D., Lee, D.H., Cha-Molstad, H.J., Kim, H.S., Mun, S.R., **Ji, C.H.** et al. (2017). Glioma-derived cancer stem cells are hypersensitive to proteasomal inhibition. *EMBO Rep.* **18**: 150-168
- Tran, I., **Ji, C.H.**, Ni, I., Min, T.H., Tang, D., Vij, N. (2015). Role of cigarette smoke-induced aggresome formation in chronic obstructive pulmonary disease-emphysema pathogenesis. *Am. J. Respir. Cell Mol. Biol.* **53**: 159-73
- Ni, I., **Ji, C.H.**, Vij, N. (2015). Second-hand cigarette smoke impairs bacterial phagocytosis in macrophages by modulating CFTR dependent lipid-rafts. *PLoS One.* **10**: e0121200.