Postdoctoral Associate (Advisor: Jenny Munson)

Fralin Biomedical Research Institute

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**Education and Training**

**Virginia Polytechnic Institute and State University** 02/2021-Present

*Postdoctoral Associate* in Munson Lab

**University of California San Francisco**, California, USA 03/2019-02/2021

*Postdoctoral* *Scholar* in Bose Lab

**Seoul National University,** Seoul, South Korea 09/2014-08/2018

*PhD* in Biomedical Sciences Program, College of Medicine

**Research Interest**

Cancer Biology, Oncology, Biomedical Science, Molecular Biology, Biochemistry, Cell Biology, Neuroscience, Epigenetics and Mouse Modeling based Cancer Research and Drug Discovery.

**Publications**

1. B Zhu**1**, R Luo**1**, **P Jin1**, T Li, HC Oak, S Giera, KR Monk, P Lak, BK Shoichet, ... GAIN domain–mediated cleavage is required for activation of G protein–coupled receptor 56 (GPR56) by its natural ligands and a small-molecule agonist. ***J Biol Chem* 2019** Oct 18; 294 (50), 19246-19254 (co-first author)
2. **P Jin**, SH Shin, YS Chun, HW Shin, YJ Shin, Y Lee, DG Kim, DH Nam, JW Park. Astrocyte-derived CCL20 reinforces HIF-1-mediated hypoxic responses in glioblastoma by stimulating the CCR6-NF-B signaling pathway. ***Oncogene* 2018** Mar 14; 37(23):3070-3087.
3. **P Jin**, Lee MK Lee, JW Park. Ferritin heavy chain controls the HIF-driven hypoxic response by activating the asparaginyl hydroxylase FIH. ***Biochem Biophys Res Commun* 2018** May 15;499(3):475-481.
4. CL Jin, MZ Yin, JC Paeng, S Ha, JH Lee, **P Jin**, CZ Jin, ZH Zhao, Y Wang, ... [Neuronal nitric oxide synthase modulation of intracellular Ca2+ handling overrides fatty acid potentiation of cardiac inotropy in hypertensive rats.](https://www.ncbi.nlm.nih.gov/pubmed/28534086) ***Pflugers Arch.* 2017** Oct; 469(10):1359-1371.
5. DH Shin, YJ Choi, **P Jin**, H Yoon, YS Chun, HW Shin, JE Kim, JW Park. [Distinct effects of SIRT1 in cancer and stromal cells on tumor promotion.](https://www.ncbi.nlm.nih.gov/pubmed/26992208) ***Oncotarget*. 2016** Apr 26; 7(17):23975-87.
6. HM Yun, **P Jin**, KR Park, JR Hwang, HS Jeong, EC Kim, JK Jung, KW Oh, .... [Thiacremonone Potentiates Anti-Oxidant Effects to Improve Memory Dysfunction in an APP/PS1 Transgenic Mice Model.](https://www.ncbi.nlm.nih.gov/pubmed/26008621) ***Mol Neurobiol*. 2016** May; 53(4):2409-20.
7. HM Yun, JA Kim, CJ Hwang, **P Jin**, MK Baek, JM Lee, JE Hong, SM Lee, SB Han, KW Oh, DY Choi, DY Yoon, JT Hong. [Neuroinflammatory and Amyloidogenic Activities of IL-32β in Alzheimer's Disease.](https://www.ncbi.nlm.nih.gov/pubmed/25159479) ***Mol Neurobiol*. 2015** Aug; 52(1):341-52.
8. HJ Zhang, **P Jin**, SB Wang, FN Li, LP Guan, ZS Quan. Synthesis and Anticonvulsant Activity Evaluation of 4‐Phenyl‐[1,2,4]triazolo[4,3‐a]quinazolin‐5(4H)‐one and Its Derivatives. ***Archiv der Pharmazie.* 2015** Jun 5; 348 (8), 564-574
9. **P Jin**, HL Yu, F Zhang, ZS Quan. Antidepressant-like effects of oleoylethanolamide in a mouse model of chronic unpredictable mild stress. ***Pharmacol Biochem Behav.* 2015** Jun; 133:146-54.
10. SB Wang, **P Jin**, FN Li, ZS Quan. Synthesis and anticonvulsant activity of novel purine derivatives. ***Eur J Med Chem.* 2014** Sep 12; 84:574-83*.*
11. JA Kim, HM Yun, **P Jin**, HP Lee, JY Han, V Udumula, DC Moon, SB Han, .... [Inhibitory effect of a 2,4-bis(4-hydroxyphenyl)-2-butenal diacetate on neuro-inflammatory reactions via inhibition of STAT1 and STAT3 activation in cultured astrocytes and microglial BV-2 cells.](https://www.ncbi.nlm.nih.gov/pubmed/23891616) ***Neuropharmacology*. 2014** Apr; 79:476-87.
12. HM Yun1, **P Jin1**, JY Han, MS Lee, SB Han, KW Oh, SH Hong, EY Jung, JT Hong. [Acceleration of the development of Alzheimer's disease in amyloid beta-infused peroxiredoxin 6 overexpression transgenic mice.](https://www.ncbi.nlm.nih.gov/pubmed/23771816) ***Mol Neurobiol*. 2013** Dec; 48(3):941-51.
13. **P Jin**, JA Kim, DY Choi, YJ Lee, HS Jung, JT Hong. [Anti-inflammatory and anti-amyloidogenic effects of a small molecule, 2,4-bis(p-hydroxyphenyl)-2-butenal in Tg2576 Alzheimer's disease mice model.](https://www.ncbi.nlm.nih.gov/pubmed/23289709) ***J Neuroinflammation*. 2013** Jan 5; 10:2.
14. **P Jin**, DY Choi, JT Hong. Inhibition of extracellular signal-regulated kinase activity improves cognitive function in Tg2576 mice. *Clin Exp Pharmacol Physiol*. 2012 Oct; 39 (10):852-7.
15. DY Choi, JW Lee, **P Jin**, YJ Lee, JY Han, YH Lee, IS Choi, SB Han, .... [Obovatol improves cognitive functions in animal models for Alzheimer's disease.](https://www.ncbi.nlm.nih.gov/pubmed/22212065) ***J Neurochem*. 2012** Mar; 120(6):1048-59.

**Honors and Awards**

* Brain Korea (BK) 21-plus Excellent Paper Award, Seoul National University, 2018.08
* BK21-plus Excellent Paper Award, Seoul National University, 2018.02
* Best Poster Award, 69th Korean Society of Pharmacology, 2017
* Best Poster Award, 24th Asia Pacific Cancer Conference, 2017
* Global Scholarship, Seoul National University, 2014-2016 (Full scholarship funded by Korean Government)
* Korea-China HRD Scholarship, LEEYJ Foundation, 2015-2016
* Merit-based Scholarship, Seoul National University, 2015
* Best Poster Award, Korean Federation of Pharmaceutical Societies, 2012