

Curriculum Vitae

Peng Jin, PhD

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

Harvard Medical School, Boston, USA 09/2018-02/2019

Postdoctoral Scholar in Division of Newborn Medicine, Boston Children's Hospital

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, Epigenetics and Mouse Modeling based Cancer Research and Drug Discovery.

Publications

1. B Zhu¹, R Luo¹, **P Jin**¹, 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- κ 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. *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. *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, Thiocremone Potentiates Anti-Oxidant Effects to Improve Memory Dysfunction in an APP/PS1 Transgenic Mice Model. *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-32 β in

- Alzheimer's Disease. *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. *Neuropharmacology.* **2014** Apr; 79:476-87.
 12. HM Yun¹, **P Jin**¹, JY Han, MS Lee, SB Han, KW Oh, SH Hong, EY Jung, ...un HM, **Jin P**, Han JY, Lee MS, Han SB, Oh KW, Hong SH, Jung EY, Hong JT. Acceleration of the development of Alzheimer's disease in amyloid beta-infused peroxiredoxin 6 overexpression transgenic mice. *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. *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. *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