

Curriculum Vitae

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Ju-Hee Kang, M.D., Ph.D.

Education and Training

1995-2000 **Ph.D.** in Pharmacology
Inha University, Incheon, Korea

1989-1995 **M.D.** in Medicine
Inha University, Incheon, Korea

Faculty Appointments

2015-present **Professor**
Department of Pharmacology, Inha University School of Medicine,
Incheon, Korea

2014-present **Adjunct Associate Professor**
Pathology & Laboratory Medicine, Perelman School of Medicine,
University of Pennsylvania, Philadelphia, PA, USA

2011-2013 **Visiting Associate Professor**
Pathology & Laboratory Medicine, Perelman School of Medicine,
University of Pennsylvania, Philadelphia, PA, USA

2003-2015 **Instructor, Assistant Professor, & Associate Professor**
Department of Pharmacology, Inha University School of Medicine,
Incheon, Korea

Memberships in Professional & Scientific Societies.

International: ISTAART member

National: Korean Society of Pharmacology

 Korean Society of Clinical Pharmacology

 Korean Society of Toxicogenomics & Toxicoproteomics

Editorial Positions:

2010-Present: Editorial Board member, World Journal of Diabetes

2015-Present: Editorial Board member, Journal of Alzheimer's Disease

Selected Research Publications (2005~, peer-reviewed)

1. **Kang JH**, Korecka M, Figurski M, et al. (2015) The Alzheimer's Disease Neuroimaging Initiative 2 Biomarker Core: A review of progress and plans. *Alzheimer Dement* 11:772-791
2. Kim HS, Moon S, Paik JH, et al. (2015) Activation of the 5'-AMP-activated Protein Kinase in the Cerebral Cortex of Young Senescence-Accelerated P8 mice and Association with GSK3 β - and PP2A-dependent Inhibition of p-tau₃₉₆ Expression. *J Alzheimer Dis*, 46:249-259.
3. Park SA, **Kang JH**, Ki CS, et al. (2015) A consensus in Korea regarding a protocol to reduce preanalytical sources of variability in the measurement of the cerebrospinal fluid biomarkers of Alzheimer's disease. *J Clin Neurol*, 11(2):132-141
4. **Kang JH**, Ryoo NY, Shin DW, et al. (2014) Role of Cerebrospinal Fluid Biomarkers in Clinical Trials for Alzheimer's Disease Modifying Therapies. *Kor J Physiol Pharmacol*, 18:447-456.

5. Kwon HN, Lee YJ, **Kang JH**, Choi JH, et al. (2014) Prediction of glycated hemoglobin levels at 3 months after metabolic surgery based on the 7-day plasma metabolic profile. *PLoS One*, 9:e109609.
6. **Kang JH**, Irwin DJ, Chen-Plotkin AS, et al. (2013) Association of Cerebrospinal Fluid β -Amyloid 1-42, T-tau, P-tau181, and α -Synuclein Levels With Clinical Features of Drug-Naive Patients With Early Parkinson Disease. *JAMA Neurology*, 70:1277-1288.
7. **Kang JH**, Korecka M, Toledo JB, et al. (2013) Clinical utility and analytical challenges in measurement of cerebrospinal fluid amyloid- β (1-42) and τ proteins as Alzheimer disease biomarkers. *Clin Chem*, 56: 903-916
8. Chae YK, Kang SM, Kim YH, et al. (2013) Bupivacaine-induced cytotoxicity related to endoplasmic reticulum stress pathways in SH-SY5Y cells. *Mol Cell Toxicol*, 9: 141-147
9. **Kang JH**, Vanderstichele H, Trojanowski JQ, Shaw LM (2012) Simultaneous analysis of cerebrospinal fluid biomarkers using microsphere-based xMAP multiplex technology for early detection of Alzheimer's disease. *Methods*, 56:484-493
10. Shinn HK, Jang EH, Park CS, Lee HS, **Kang JH** (2011) Genetic polymorphism in the serotonin receptor type 3B gene (HTR3B) and the clinical response to ondansetron in Koreans. *Mol Cell Toxicol*, 2011, 7:151-159
11. Jang EH, Park CS, **Kang JH** (2011) Bupropion, an atypical antidepressant, induces endoplasmic reticulum stress and caspase-dependent cytotoxicity in SH-SY5Y cells. *Toxicology*, 285: 1-7
12. Jang EH, Kim HK, Park CS, **Kang JH** (2010) Increased expression of hepatic organic cation transporter 1 and hepatic distribution of metformin in high-fat diet-induced obese mice. *Drug Metab Pharmacokint*, 25:392-397
13. Bhattarai BR, Ko JH, Shrestha S, et al. (2010) Inhibition of IKK-b: A new development in the mechanism of the anti-obesity effects of PTP1B inhibitors SA18 and SA32. *Bioorg Med Chem Lett*, 20:1075-1077
14. Jang EH, Ko JH, Ahn CW, et al. (2010) In vivo and in vitro application of black soybean peptides in amelioration of ER stress and improvement of insulin resistance. *Life Sci*, 86:267-274
15. Oh YM, Jang EH, Ko JH, et al. (2009) Inhibition of 6-hydroxydopamine-induced endoplasmic reticulum stress by L-carnosine in SH-SY5Y cells. *Neurosci Lett*, 459:7-10.
16. Jang EH, Moon JS, Ahn CW, et al. (2008) Novel black soy peptides with antiobesity effects: activation of leptin-like signaling and AMP-activated protein kinase. *Int J Obesity*, 32: 1161-1170
17. Park HJ, Shinn HK, Ryu SH, et al. (2007) Genetic polymorphisms in the ABCB1 gene and the effects of fentanyl in Koreans. *Clin Pharmacol Ther*, 81(4): 539-546.
18. Jang EH, Park CS, Lee SK, Pie JE, **Kang JH** (2007) Excessive nitric oxide attenuates leptin-mediated signal transducer and activator of transcription 3 activation. *Life Sciences* 80: 609-617.
19. Lu J, Park CS, Lee SK, Shin DW, **Kang JH** (2006) Leptin inhibits 1-methyl-4-phenyl pyridinium-induced cell death in SH-SY5Y cells. *Neuroscience Letters* 407: 240-243.
20. Jang EH, Choi JY, Park CS, et al. (2005) Effects of green tea extract administration on the pharmacokinetics of clozapine in rats. *Journal of Pharmacy and Pharmacology* 57: 311-316.
21. Choi JY, Jang EH, Park CS, **Kang JH** (2005) Enhanced susceptibility to 1-methyl-4-phenyl-1,2,3,6-tetrahydropyridine neurotoxicity in high-fat diet-induced obesity. *Free Radical Biology & Medicine* 38: 806-816.