

Curriculum vitae

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Place of Birth: Cheongdo, South Korea

Education

Year	Degree (Honors)	Field of Study (Thesis advisor for PhDs)	Institution
1983-1987	B.S.	Microbiology	Seoul National University, Korea
1987-1989	M.S.	Life Science	Korea Advanced Institute of Science and Technology (KAIST), Korea
1989-1993	Ph.D.	Microbial genetics (Dr. Chankyu Park)	Korea Advanced Institute of Science and Technology (KAIST), Korea

Postdoctoral Training

Year(s)	Titles	Specialty/Discipline (Lab PI for postdoc research)	Institution
1993-1994	Postdoctoral fellow	Protein Folding (Dr. Myunghee Yu)	Korea Research Institute of Biology and Bioengineering (KRIBB), Korea
1994-1995	Postdoctoral fellow	Protein Engineering (Dr. Ken Jacobson) & Learning and memory (Dr. Dan Alkon)	National Institute of Health, USA

Honors and Awards

Year	Name of Honor/Award	Awarding Organization
1984, 1985	Excellent academic achievement scholarships and awards	Seoul National University
1994	Outstanding Paper Award	KRIBB, South Korea

Faculty Academic Appointments

Year(s)	Academic Title	Department	Academic Institution
1995-1996	Senior Researcher	Protein Folding	KRIBB, South Korea
1997-2000	Assistant Professor	Biological Sciences	Inha University, South Korea
2001-2005	Associate Professor	Biological Sciences	Inha University, South Korea
2006-present	Professor	Biological Sciences	Inha University, South Korea
2003	Visiting Professor	Molecular Biology	UT Southwestern Medical Center
2009	Visiting Professor	Biochemistry & Mol Biol	Virginia Commonwealth University
2022	Visiting Professor	Internal Medicine	UT Southwestern Medical Center

Bibliography

Peer-Reviewed Publications

Original Research Articles

1.	Teschke C, Kim J , Song T, Park S, Park C, Randall L. Mutations that affect the folding of ribose-binding protein selected as suppressors of a defect in export in Escherichia coli. <i>J Biological Chemistry</i> 266:11789-11796, 1991.
2.	Kim J , Lee Y, Kim C & Park C. Involvement of SecB, a chaperone, in the export of ribose-binding protein. <i>J Bacteriology</i> 174:5219-5227, 1992.
3.	Kwon K., Kim J , Shin H, Yu M. Single amino acid substitutions of α 1-antitrypsin that confer enhancement in thermal stability. <i>J Biol Chem</i> 269:9627-9631, 1994.
4.	Von Lubitz D, Kim J , Beenhakker M,, Jacobson K. Chronic NMDA receptor stimulation: therapeutic implications of its effect on adenosine A1 receptor. <i>Eur J Pharmacol</i> 283:185, 1995.
5.	Kim J , Wess J, van Rhee M, Schoneberg T & Jacobson K. Site-directed mutagenesis identifies residues involved in ligand recognition in the human A2a-adenosine receptor. <i>J Biological Chemistry</i> 270:13987-13997, 1995.
6.	Ahmed A, Jacobson K, Kim J , Heppel L. Presence of both A1 and A2a adenosine receptors in human cells and their interaction. <i>Biochem Biophys Res Comm</i> 208:871-878, 1995.
7.	Kim J , Lee K, Lee G, Yu M. A thermostable mutation located at the hydrophobic core of α 1-antitrypsin suppress the folding defect of the Z-type variant. <i>J Biol Chem</i> 270:8579-8601, 1995.
8.	Yu M, Lee K, Kim J . The Z type variation of human α 1-antitrypsin causes a protein folding defect. <i>Nature Structural Biology</i> 2:363-367, 1995.
9.	Kim J , ... Jacobson K. Site-directed mutagenesis of the human A2a adenosine receptor. Critical involvement of Glu13 in agonist recognition. <i>Eur J Pharmacol</i> 310:169, 1996.
10.	Jiang Q, van Rhee M, Kim J , Yehle S, Wess J, Jacobson K. Hydrophobic side chains in the third and seventh transmembrane helical domains of human A2a adenosine receptors are required for ligand recognition. <i>Mol Pharmacol</i> 50:512-521, 1996.
11.	Kim J , Jiang Q, .., Wess J, Jacobson K. Glutamate residues in the second extracellular loop of the human A2a adenosine receptor are required for ligand recognition. <i>Mol Pharmacol</i> 49:683-691, 1996.
12.	Nelson T, Cavallaro S,, Kim J , ... Alkon D. Calyculin: A signaling protein that binds calcium and GTP, inhibits potassium channels, and enhances membrane excitability <i>Proc Natl Acad Sci USA</i> 93:13808-13813, 1996.
13.	Kim J , Chun J & Han H. <i>Leuconostoc kimchii</i> sp. nov., a new species from kimchi. <i>Int J Syst Evol Microbiol</i> 50:1915-1919, 2000.

14.	Park S, Nelson T, Alkon D, Kim J . Functional characterization of the squid Calexcitin-2, a calcium and GTP-Binding protein. <i>J Biochem & Mol Biol</i> 33:391-395, 2000.
15.	Kim BJ, Lee H, Park S, Kim J , Han H. Identification and characterization of <i>Leuconostoc gelidum</i> , isolated from kimchi, a fermented cabbage product. <i>J Microbiol</i> 38:132-136, 2000.
16.	Lee H, Park S, Kim J . Multiplex PCR-based detection and identification of <i>Leuconostoc</i> species. <i>FEMS Microbiol Lett</i> 193:243-247, 2000.
17.	Kim B, Min B, Kim J , Han H. Isolation of Dextran-producing <i>Leuconostoc lactis</i> from Kimchi. <i>J Microbiol</i> 39, 11-16, 2001.
18.	Jang J, Kim B, Lee J, Kim J , Jung G, Han H. Identification of <i>Weissella</i> species by the genus-specific amplified ribosomal DNA restriction analysis. <i>FEMS Microbiol Lett</i> 212, 29-34, 2002.
19.	Kim B, Lee J, Jang J, Kim J , Han H. <i>Leuconostoc inhae</i> sp. nov., a lactic acid bacterium isolated from kimchi. <i>Int J Sys Evol Microbiol</i> 53, 1123-1126, 2003.
20.	Nelson T, Pacini A, Kim J , Alkon D. Calcium-regulated GTPase activity in the calcium-binding protein calexcitin. <i>Comp Biochem Physiol B</i> 135, 627-638, 2003.
21.	Choi I, Jung S, Kim B, Park S, Kim J , Han, H. Novel <i>Leuconostoc citreum</i> starter culture system for the fermentation of kimchi, a fermented cabbage product. <i>Antonie Van Leeuwenhoek</i> 84, 247-253, 2003.
22.	Kim J, Kang H, Kim E, Kim J , Koo Y*. One-step purification of poly-his tagged penicillin G acylase expressed in E. coli. <i>J Microbiol Biotech</i> 14, 231-236, 2004.
23.	Lee J, Jang J, Kim B, Kim J , Jung G, Han H. Identification of <i>Lactobacillus salei</i> and <i>Lactobacillus curvatus</i> by multiplex PCR-based restriction enzyme analysis. <i>J Microbiol Methods</i> 59, 1-6, 2004.
24.	Park J, Lee M, Jung J, Kim J . pIH01, a small cryptic plasmid from <i>Leuconostoc citreum</i> IH3 <i>Plasmid</i> 54, 184-189, 2005.
25.	Cho J, Lee D, Yang C, Jeon J, Kim J , Han, H. Microbial population dynamics of kimchi, a fermented cabbage product. <i>FEMS Microbiol Lett</i> 257, 262-267, 2006.
26.	You YJ , Kim J, Cobb MH, Avery L., Starvation activates MAP Kinase through the muscarinic acetylcholine pathway in <i>Caenorhabditis elegans</i> pharynx. <i>Cell Metabolism</i> 3: 237-245, 2006.
27.	Lee D, Kim S, Cho J, Kim J . Microbial population dynamics and temperature changes during fermentation of kimjang kimchi. <i>J. Microbiol</i> 46, 590-593, 2008.
28.	You YJ , Kim J, Raizen DM, Avery L. Insulin, cGMP, and TGF-beta signals regulate food intake and quiescence in <i>C. elegans</i> : a model for satiety. <i>Cell Metabolism</i> 7(3): 249-257, 2008.
29.	Baek E, Kim H, Choi H, Yoon S, Kim J . Antifungal activity of <i>Leuconostoc citreum</i> and <i>Weissella confusa</i> in rice cakes. <i>J Microbiol</i> 50(5):842-848, 2012.
30.	Lee I, Hendrix A, Kim J , Yoshimoro J, You YJ. Metabolic rate regulates L1 longevity in <i>C. elegans</i> . <i>PLoS one</i> 7(9):e44720, 2012.
31.	Lee, J, Baek K, Kim J , Park C. Human DJ-1 and its homologs are novel glyoxalases. <i>Human Molecular Genetics</i> 21(14):3215-3225, 2012.
32.	Lee J, Kim C, Kim J , Park C. DJR-1.2 of <i>Caenorhabditis elegans</i> is induced by DAF-16 in the dauer state. <i>Gene</i> 524(2):373-376, 2013.
33.	Gallagher T, Kim J , Oldenbroek M, Kerr R, You YJ. ASI regulates satiety quiescence in <i>C. elegans</i> . <i>Journal of Neuroscience</i> 33(23):9716-24, 2013.
34.	Fotopoulos P, Kim J , Hyun M, Qamari W, Lee I, You YJ. DPY-17 and MUA-3 Interact for Connective Tissue-Like Tissue Integrity in <i>C. elegans</i> ; a Model for Marfan Syndrome. <i>G3</i> , pii: g3.115.018465, 2015.
35.	Hyun M, Davis K, Lee I, Kim J , Dumur C, You YJ. Fat metabolism Regulates Satiety Behavior in <i>C. elegans</i> . <i>Scientific Reports</i> 6:24841, 2016.
36.	Hyun M, Kim J , Dumur C, Schroeder FC, You YJ. BLIMP-1/BLMP-1 and Metastasis-Associated Protein Regulate Stress Resistant Development in <i>Caenorhabditis elegans</i> . <i>Genetics</i> Aug;203(4):1721-32, 2016.
37.	Kim J , Lee HY, Ahn J, Hyun M, Lee I, Min KJ, You YJ. NHX-5, an Endosomal Na ⁺ /H ⁺ Exchanger, Is Associated with Metformin Action. <i>J Biological Chemistry</i> Aug 26;291(35):18591-9, 2016
38.	Davis K, Choi Y-I, Kim J , You YJ. Satiety behavior is regulated by ASI/ASH reciprocal antagonism. <i>Scientific Reports</i> 8(1):6918, 2018.

39.	Makino M, Ulzii E, Shirasaki R, Kim J , You YJ. Regulation of satiety quiescence by neuropeptide signaling in <i>Caenorhabditis elegans</i> . <i>Frontier in Neuroscience</i> 15:678590, 2021
40.	Kim J , Hyun M, Hibi M, You YJ. Maintenance of quiescent oocytes by noradrenergic signals. <i>Nature Communications</i> 12(1):6925, 2021.

Reviews, Chapters, Monographs and Editorials

1.	Kim J , You YJ. Regulation of organelle function by metformin. <i>IUBMB Life</i> . Apr 26, 2017. doi: 10.1002/iub.1633
2.	Kim J , You YJ. Oocyte quiescence. From formation to awakening. <i>Endocrinology</i> Jun 1;163(6), 2022. :bqac049