

CURRICULUM VITAE



NAME: Yu-Mi Jeon

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A. Academic Degrees

- | | | |
|-----------|--------------|---------------------------------------------------------------------------------------------------------------------------------------------------|
| 2009~2014 | Ph.D. | Department of Medical Science, College of Medical Sciences,
Soonchunhyang University, Asan, Chungnam, Korea,
(Supervisor: Dr. Mi-Young Lee) |
| 2006~2008 | M.S. | Department of Biotechnology, College of Natural Sciences,
Soonchunhyang University, Asan, Chungnam, Korea
(Supervisor: Dr. Mi-Young Lee) |
| 2002~2006 | B.S. | Department of Genetic engineering, College of Natural Sciences,
Soonchunhyang University, Asan, Chungnam, Korea |

B. Research Experience

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|--------------|-------------------|-----------------------------------------------------------------------------------------|
| 2015~Present | Researcher | Korea Brain Research Institute, Research Division,
Korea. |
| 2014~2015 | Researcher | Department of Medical Science, College of Medical
Sciences, Soonchunhyang University |
| 2008~2009 | Researcher | Department of Biotechnology, College of Natural
Sciences, Soonchunhyang University |

C. Research Expertise and Interest

- Human neurodegenerative disease and Drosophila genetics
- Mitochondrial dysfunction
- Unfolded protein response in neurodegeneration

D. Publications

- [1] Kim Y, Kim HJ, Cha SJ, Choi HJ, Kim H, Lee S, **Jeon YM**, Lee M, Lee S, Kim K. (2018) Genetic activation of parkin rescues TAF15-induced neurotoxicity in a Drosophila model of amyotrophic lateral sclerosis. *Neurobiology of Aging* 73, 68-73.
- [2] **Jeon YM**, Lee S, Kim S, Kwon Y, Kim K, Chung CG, Lee S, Lee SB, Kim HJ. (2017) Neuroprotective Effects of Protein Tyrosine Phosphatase 1B Inhibition against ER Stress-Induced Toxicity. *Molecules and Cells* 40, 280-290.
- [3] Wang YY, Ryu AR, Jin S, **Jeon YM**, Lee MY. (2017) Chlorin e6-Mediated Photodynamic Therapy Suppresses P. acnes-Induced Inflammatory Response via NFκB and MAPKs Signaling Pathway. *PLoS One* 12, e0170599.
- [4] **Jeon YM**, Lee MY. (2016) Airborne nanoparticles (PM0.1) induce autophagic cell death of human neuronal cells. *Journal of Applied Toxicology* 36, 1332-1342.
- [5] **Jeon YM**, Lee HS, Jeong D, Oh HK, Ra KH, Lee MY. (2015) Antimicrobial photodynamic therapy using chlorin e6 with halogen light for acne bacteria-induced inflammation. *Life Sciences* 124, 56-63.
- [6] **Jeon YM**, Kim WJ, Lee MY. (2013) Studies on liver damage induced by nanosized-titanium dioxide in mouse. *Journal of Environmental Biology* 34, 283-287.
- [7] Park SK*, **Jeon YM***, Son BS, Youn HS, Lee MY. (2011) Proteomic analysis of the differentially expressed proteins by airborne nanoparticles. *Journal of Applied Toxicology* 31, 463-470. *These authors equally contributed.
- [8] **Jeon YM**, Son BS, Lee MY. (2011) Proteomic identification of the differentially expressed proteins in human lung epithelial cells by airborne particulate matter. *Journal of Applied Toxicology* 31, 45-52.
- [9] Kim JJ, **Jeon YM**, Noh JH, Lee MY. (2011) Isolation and characterization of a new

- phycoerythrin from the cyanobacterium *Synechococcus* sp. ECS-18. *Journal of Applied Phycology* 23, 137-142.
- [10] **Jeon YM**, Park SK, Kim WJ, Ham JH, Lee MY. (2011) The effects of TiO₂ nanoparticles on the protein expression in mouse lung. *Molecular & Cellular Toxicology* 7, 283.
- [11] **Jeon YM**, Park SK, Lee MY. (2011) Toxicoproteomic identification of TiO₂ nanoparticle-induced protein expression changes in mouse brain. *Animal Cells and Systems* 15, 107-114.
- [12] **Jeon YM**, Park SK, Rhee SK, Lee MY. (2010) Proteomic profiling of the differentially expressed proteins by TiO₂ nanoparticles in mouse kidney. *Molecular & Cellular Toxicology* 6, 414-420.
- [13] **Jeon YM**, Ryu JC, Lee MY. (2007) Proteomic analysis of differentially expressed proteins in human lung cells following formaldehyde treatment. *Molecular & Cellular Toxicology* 3, 238-245.

E. Patents

- [1] Patent name: A method for preventing, attenuating or treating amyotrophic lateral sclerosis
 -Patent number: 1019242690000 (2018.11)
 -Name of applicant: KBRI
 -Name of inventor: Hyung-Jun Kim, Shinrye Lee, **Yu-Mi Jeon**, Seyeon Kim, Younghwi Kwon, Keun-A Chang
- [2] Patent name: Cosmetic composition for skin whitening containing *Artemisia japonica* Thunb. Extracts and preparing method of the same
 -Patent number: 1018275310000 (2018.2)
 -Name of applicant: Soonchunhyang University
 -Name of inventor: Mi-Young Lee, **Yu-Mi Jeon**, Minju Kang
- [3] Patent name: Chlorin e6 for the treatment, prevention or improvement of acne
 -Patent number: 1016235530000 (2016.5)
 -Name of applicant: Soonchunhyang University
 -Name of inventor: Kyu-Hwan Ra, Mi-Young Lee, Hwan-Suk Lee, Beom Su Kim, **Yu-Mi Jeon**, Chung-Seop Han
- [4] Patent name: Biomarkers for diagnosing the addiction of ethylbenzene

-Patent number: 1013963000000 (2014.5)

-Name of applicant: Soonchunhyang University

-Name of inventor: Mi-Young Lee, Suk-Woo Nam, Jae-Chun Rye, **Yu-Mi Jeon**

[5] Patent name: Detecting Marker for Titanium Dioxide Nanoparticles and Detecting Method using the Same Marker

-Patent number: 1011840850000 (2012.9)

-Name of applicant: Soonchunhyang University

-Name of inventor: Mi-Young Lee, **Yu-Mi Jeon**

[6] Patent name: Biomarkers for diagnosing the addiction of titanium dioxide nanoparticles in lung

-Patent number: 1010902930000 (2011.11)

-Name of applicant: Soonchunhyang University

-Name of inventor: Mi-Young Lee, **Yu-Mi Jeon**