CURRICULUM VITAE

Name: Young Rok Seo

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Position: Professor & Director

Institution: Department of Life Science, Dongguk University and Institute of Environmental Medicine.

Location: Dongguk University-Ilsan, 32, Dongguk-ro, Ilsandong-gu, Goyang-si, Gyeonggi-do, South Korea.

Education:

1. Ph.D. (Molecular Biology, 1999): Graduate School of Biotechnology, Korea University, Seoul, Korea.
2. M.S. (Applied Entomology, 1996): Graduate School of Natural Resources, Korea University, Seoul, Korea.
3. B.S. (Agricultural Biology, 1994): Department of Agricultural Biology, Korea University, Seoul, Korea.

Representative Careers:

1. Director, Institute of Environmental Medicine, Dongguk University, Seoul, Korea (November, 2010-Present)
2. Professor, Department of Life Science, Dongguk University, Ilsan, Korea (March, 2015-present)
3. Professor, Department of Life Science, Dongguk University, Seoul, Korea (March, 2012-February, 2014)
4. Associate Professor, Department of Life Science, Dongguk University, Seoul, Korea (September, 2010-February, 2012)
5. Assistance & Associate Professor, Department of Pharmacology, School of Medicine, Kyung Hee University, Seoul, Korea (March, 2003-August, 2010)

Specialty & Present Interest:

1. DNA Repair & DNA Damage Signaling
2. Free Radicals & Antioxidants
3. Heavy Metal Toxicity & Carcinogenicity
4. Toxicogenomics for Understanding Drug Toxicity
5. Screening Potential Biomarkers of Environmental Disease using Big-Data analysis

Representative papers (up to 5):

1. Kim, YJ., Lee, YJ., Kim, HJ., Kim, HS., Kang, MS., Lee, SK., Park, MK., Kazuyoshi M, Kim, HL., & Seo, YR. (2018). A molecular mechanism of nickel (II): reduction of nucleotide excision

repair activity by structural and functional disruption of p53. Carcinogenesis. (Corresponding Author)

2. Kim, YJ., Kim, HS., & Seo, YR. (2018). Genomic Approach to Understand the Association of DNA Repair with Longevity and Healthy Aging Using Genomic Databases of Oldest-Old Population. Oxidative medicine and cellular longevity, 2018. (Corresponding Author)

3. Kim, HJ., Kim, SY., Kwon, JY., Kim, YJ., Kang, SH., Jang, WH., Lee JH, Seo M-W, Song J-J, Seo YR & Park, M. K. (2016). Identification of Potential Novel Biomarkers and Signaling Pathways Related to Otitis Media Induced by Diesel Exhaust Particles Using Transcriptomic Analysis in an In Vivo System. PloS one, 11(11), e0166044. (Corresponding author)

4. Kim YJ., Kim HJ., Kim HL., Kim HJ., Kim, HS, Lee TR., Shin DW & Seo YR. (2016). A protective mechanism of visible red light in normal human dermal fibroblasts: Enhancement of GADD45A-mediated DNA repair activity. Journal of Investigative Dermatology. 137(2), 466-474. (Corresponding author)

5. Kwon JY., Kim HL., Lee JY., Ju YH., Kim,JS., Kang SH, Kim YR, Lee JK, Jeong J, Kim MK, Maeng EH & Seo YR (2014). Undetactable levels of genotoxicity of SiO2 nanoparticles in in vitro and in vivo tests. International Journal of Nanomedicine, 9(Suppl 2), 173. (Corresponding author)