**Curriculum vitae**

**Jee Young Kwon, Ph.D.**

Visiting Scientist, The Jackson Laboratory for Genomic Medicine, Connecticut, USA

Researcher, Institute of Environmental Medicine, Dongguk University, Seoul, South Korea

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**Main Research Field**

1. Genotoxicology
2. Toxicogenomics

**Career**

1. Visiting scientist, The Jackson Laboratory for Genomic Medicine, Connecticut, USA, July 2014 - Present
2. Researcher, Institute of Environmental Medicine, Dongguk University, September 2013 - Present
3. Instructor, English Course, Animal Physiology and Cancer Biology, Dongguk University, September 2013 – June 2014
4. Participant, The Conference Call on the Draft Comet Assay TG, OECD, 28 May 2013
5. Participant, The 10th Meeting of the Working Party on Manufactured Nanomaterials, OECD Conference Centre, Paris, France, 27-29 June 2012
6. Sponsored staff, Brigham and Women’s Hospital, Harvard Medical School, Boston, USA, May-July 2010
7. Visiting staff, Learning *In vivo* and *In vitro* Comet Assay following Standard Guideline supervised by Dr. Masamitsu Honma, Head, Division of Genetics and Mutagenesis, National Institute of Health Sciences, Japan, December 2008

**Publications (SCI(E) only)**

1. **Kwon JY**, Koedrith P, Seo YR. (2014) Current investigations on genotoxicity of metal-oxide nanoparticles: Carcinogenic/genotoxic potential, relevant mechanisms and biomarkers, artifacts and limitations (Review article). International Journal of Nanomedicine 9:271-286
2. **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) Undetectable genotoxic potential of SiO2 nanoparticles in *in vitro* and *in vivo* tests. International Journal of Nanomedicine 9:173-181
3. **Kwon JY**, Lee SY, Koedrith P, Lee JY, Oh JM, Kim MK, Lee JK, Jeong J, Maeng EH, Lee BJ, Seo YR. (2014) Lack of genotoxic potential of ZnO nanoparticles in *in vitro* and *in vivo* tests. Mutation Research-Genetic Toxicology and Environmental Mutagenesis 761C:1-9
4. **Kwon JY,** Park MK, Seo YR, Song JJ. (2014) Genomic-based identification of novel potential biomarkers and molecular signaling networks in response to diesel exhaust particles in human middle ear epithelial cells. Molecular & Cellular Toxicology 10(1):95-105
5. Koedrith P, Boonparasert R, **Kwon JY**, Kim IS, Seo YR (2014) Recent toxicological investigations of metal or metal oxide nanoparticles in mammalian models in vitro and in vivo: DNA damaging potential, and relevant physicochemical characteristics. Molecular & Cellular Toxicology 10(2):107-126
6. Song JJ, **Kown JY**, Park MK, Seo YR. (2013) Microarray analysis of gene expression alteration in human middle ear epithelial cells induced by micro particle. International Journal of Pediatric Otorhinolaryngology 77(10):1760-1764
7. **Kwon JY**, Weon JL, Koedrith P, Park KS, Kim IS, Seo YR. (2013) Identification of molecular candidates and interaction networks via integrative toxicogenomic analysis in a human cell line following low-dose exposure to the carcinogenic metals cadmium and nickel. Oncology Reports 30(3):1185-1194
8. **Kwon JY**, Kim JM, Ji YH, Seo YR. (2012) Genome-wide microarray investigation of molecular targets and signaling networks in response to high-LET neutron in *in vivo*-mimic spheroid of human carcinoma. Molecular & Cellular Toxicology 8(1):9-18
9. **Kwon JY**, Seo YR. (2011) Differential gene expression following ionizing radiation in multicellular spheroid depending on p53 status: Identification of potential targets and prediction of responsive signaling pathways. Biochip Journal 5(3):280-288
10. **Kwon JY**, Seo YR, Ahn WS. (2011) Recognition of potential predictive markers for diagnosis in Korean serous ovarian cancer patients at stage IIIc using array comparative genomic hybridization with high resolution. Molecular & Cellular Toxicology 7(1):77-86
11. **Kwon JY**, Seo YR. (2010) Genome-wide profiling induced by ionizing radiation (IR) in non-small cell lung cancer (NSCLC) grown as three-dimensional spheroid. Molecular & Cellular Toxicology 6(2):229-237

**Education**

1. Ph.D. (2009-2013): Department of Biomedical Science, School of Medicine, Kyung Hee University, Seoul, South Korea

2. M.S. (2007-2009): Department of Biomedical Science, School of Medicine, Kyung Hee University, Seoul, South Korea

3. B.S. (2003-2007): Department of Biotechnology, Seoul Women’s University, Seoul, South Korea

**Invited talk**

1. Identification of novel molecular signaling pathways depending on p53 status in multicellular spheroid under gamma-ray exposure, Department of Biology, Graduate School of Science, Osaka Prefecture University, April 2014

**Award**

1. Excellent Poster Award, Korean Society of Toxicology/Korean Environmental Mutagen Society, 2009
2. Excellent Poster Award, Korean Society of Toxicology and Public Health Environmental Mutagens and Carcinogens, 2009
3. Excellent Poster Award, Korean Society of Toxicology and Public Health Environmental Mutagens and Carcinogens, 2008
4. Excellent Poster Presentation Award, Korean Society Cancer Prevention, 2008

**Scholarship**

1. Scholarship, National Institute for Physiological Sciences (NIPS), Ministry of Education, Culture, Sports, Science & Technology in Japan, 2008-2012

**Certificate of Completion**

1. The Certificate on Laboratory Animal Ethics, Ministry of Food and Drug Safety/ Korean Association of Laboratory Animals, 2013
2. The Certificate on Research Ethics, Korea Institute of R&DB Human Resource Development (KIRD), 2013
3. The Certificate on Environmental Risk Assessment and Health Science, The Korean Society of Environmental Risk Assessment and Health Science, 2012
4. The Certificate on Environmental Risk Assessment & Health Science and Toxicogenomics & Toxicoproteomics, The Korean Society of Environmental Risk Assessment and Health Science/ The Korean Society of Toxicogenomics and Toxicoproteomics, 2011
5. The Certificate on English Scientific Writing Workshop, Bioscience Writers, LLC, 2009