

Jeong Won Choi

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Education

- Aug 2012 - Dec 2014 **The George Washington University**, Washington, DC 20052, USA
Bachelor of Science
Major: Chemistry (ACS Certified Degree) **Minor:** Biology
Relevant courses for Chemistry: Quantitative Analysis, Biochemistry, Physical Chemistry, Inorganic Chemistry, Instrumental Analytical Chemistry
Relevant courses for Biology: Intro Biology, Genetics, Biology of cancer, Organic Evolution, Evolutionary Medicine
- Aug 2010 - May 2012 **Boston University**, Boston, MA 02215, USA
Bachelor of Arts
Major: Chemistry – Biochemistry
Relevant courses for Chemistry: General Chemistry, Organic Chemistry

Skills & Abilities

Proteomics data analysis / Western blot/ Chemiluminescent detection/ Protein assay/ PCR/ Cloning / Cell culture

Proficient programs: Microsoft Word, Excel, PowerPoint

Practicing programs: Protein Scape, Compass Data analyzer, Origin

Language: English (Full professional proficiency), Korean (Native proficiency)

Research Experiences

- Spring 2014 - Fall 2014 **Undergraduate Student Participant** GWU (USA) – Analytical Chemistry Research Team
Supervisor: Dr. Peter Nemes
Performed data analysis for proteomics on various parts of the projects including single blastomere analysis, sheath flow/ data acquisition optimization
Processed data from CE-Q TOF MS, LC-Q ion trap MS using programs including Protein Scape, Compass data analyzer, X-Calibur and Origin and did statistical analysis using Excel
Participated in Orbitrap tribrid fusion mass spectrometer training from Thermo Fisher
Analyzed the proteomics pilot study of Killifish egg from the research project in Dr. Doebel's biology lab
- Fall 2013 - Summer 2014 **Killifish Research Team Project Founder/ Member** GWU (USA) – Biology Research Team
Supervisor: Dr. Hartmut Doebel
Planned and performed the research project (desiccation study) on Killifish eggs with teammates under supervision
Maintained, bred, and observed the fish and the eggs
- Summer 2013 - Fall 2013 **Intern** Ga-Chun University Of Medicine and Science: Cancer/Diabetes Institute (South Korea) – Molecular And Cellular Biochemistry Lab
Supervisor: Dr. Byung-chul Oh
Performed western blotting technique for evaluation of mouse liver protein with antibody - used immune-blotting technique with chemiluminescent detection
Performed cloning on mouse Retinoid genomic DNA

Work Experiences

- Spring 2013 - Fall 2014 **Language Tutor** GWU (USA) – University Language Center
Supervisor: Ms. Ikuko S. Turner
Tutored Korean at GWU language center to the English speaking students who are taking Korean classes in GWU
- Summer 2012 - Fall 2012 **Clinical Assistant** Chung-Dam Ivy Orthodontics (South Korea)
Supervisor: Ms. Seung Ju Kong
Full time clinical assistant – prepared and sterilized orthodontic equipments / translated Korean to English speaking clients

References

1. **Dr. Susan Gillmor**, Assistant Professor of Chemistry: Instrumental Analytical Chemistry Lab Course Professor
GWU – Department of Chemistry 202-994-7320 sdgill@gwu.edu
2. **Dr. Hartmut doebel**, Assistant Professor of Biology
GWU – Department of Biology 202-994-1045 hdoebel@gwu.edu
3. **Dr. Byung-chul Oh**, Associate Professor
Ga-Chun University of Medical School bcoh@gachon.ac.kr
4. **Dr. Peter nemes**, Assistant Professor of Chemistry
GWU – Department Of Chemistry 202-994-5663 petern@gwu.edu

Additional references available upon request