

Curriculum Vitae/Resume

Jin Heon Jeon

Rackham Graduate Program

UM ID # 74791129

Curriculum Vitae/Resume

EDUCATION

University of Michigan

Ann Arbor, MI, USA

- Studying for PhD in Biomedical Engineering
 - Cumulative GPA: 4.000/4.000
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Korea University

Seoul, Rep. of Korea, August 2019

- B. Sc. Double Major: Chemical and Biological Engineering and Life Science
 - Cumulative GPA: 4.13/4.50
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American International School, Chennai

Chennai, India, June 2011

- Cumulative GPA: 3.848/4.000
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HONORS AND AWARDS

Honors Award, Korea University

Seoul, Rep. of Korea

- Junior 1st Semester 2015
 - Junior 2nd Semester 2015
 - Senior 1st Semester 2016
 - Senior 2nd Semester 2016
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EXPERIENCE

Systems Biology of Human Disease Lab, University of Michigan

Ann Arbor, MI, USA

- GSRA and Pre-doctoral Candidate August 2019 ~ Present
Neutrophil and ovarian cancer metabolism
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Systems Biology Lab, Korea University

- Intern
Genetic recombineering of subunits in glycerol dehydratase and 1,3-propandiol dehydrogenase using Gly-Ser linker.
Metabolic flux analysis of breast cancer cells.
 - Undergraduate Researcher
Development of genetic tool for site-directed random mutagenesis using NHEJ associated genes from *M. smegmatis*.
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Cell Culture Engineering Lab, Korea University

Seoul, Rep. of Korea

- Intern September 2016 ~ February 2017
Optimization of culture methods for human chondrocyte cells
 - Undergraduate Researcher January 2018 ~ August 2019
Determination and analysis of factors affecting cell death in suspension CHO cells
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Military Service

Seoul, Rep. of Korea

- Social Service Agent of Seoul Metropolitan Office of Education, Department of Life-Long Education, Center for Reliving Educational Life February 2017 ~ February 2019

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TECHNICAL SKILLS

Cell Culture and Preservation

- CHO Cells: Suspension CHO Cells
- E. coli: DH5 α , BL21
- M. smegmatis: MC2 155
- OVCA FTSec
- Human Neutrophils

Gene Deletion

- Lambda Red Recombinase Deletion
- CRISPR/Cas9 Deletion

Gene Cloning

- PCR Cloning
- Restriction Enzyme Cloning
- Gibson Assembly Cloning

Mutation Cloning

- PCR Site Directed Mutagenesis
- CRISPR/Cas9 Site Directed Mutagenesis

RT-qPCR

GC-MS

- Polar Metabolites
- Glucose, Glutamine, BCAA Labeling

EXTRACURRICULAR ACTIVITIES

Korea University Medical Center

- Community Service: 98 Hours
Reception desk guide for main entrance and department of neurosurgery. Pharmaceutical drug organizing assistance.

Seoul, Rep. of Korea
February ~ August 2013