**Harim Chun**

Department of Biomedical Sciences

Korea University College of Medicine

Seoul 02841, Korea

Email: bgr1663@korea.ac.kr

Phone: +82-10-8615-1663

Webpage: https://harimchun.github.io

# Education

**Korea University College of Medicine** **Seoul, Korea**

*Graduate Student* Mar. 2021 – Present

Department of Biomedical Sciences

**University of Mississippi University, Mississippi, U.S.A.**

*Exchange Student, Biology* Jan. 2019 – May 2019

**Soongsil University** **Seoul, Korea**

*Undergraduate Student* Mar. 2015 – Feb. 2021

Bachelor of Science, School of systems Biomedical Science

# Research Experience

**Choi Lab (Human Genetics and Genomics Lab) Seoul, Korea**

Korea University

*Undergraduate Research Intern (Advisor: Jungmin Choi, Ph.D.)* Jul. 2020 – Feb. 2021

**Insilicogen, INC. Yongin, Korea**

*Internship* Jul. 2019 – Aug. 2019

A personalized fruit or vegetable drinks service referring to the personal genomic data

(Prototype, via Neo4J)

**Post-genome informatics lab Seoul, Korea**

Soongsil University Aug. 2019 – Jul. 2020

*Research Intern (Advisor: Sangsoo Kim, Ph.D.)*

**Personal Projects during the Undergraduate Course**

Identifying expression quantitative trait loci for pro-inflammatory response triggered by TIFA with genome-wide association study (Practice of Biostatistics)

Drug repositioning and virtual screening against the calcium-dependent protein kinase 1 (CDPK1) with SMINA (Computational Molecular Biology and Lab)

In silico analysis of gene expression and binding affinity to predict the susceptibility to covid-19 of pan-cancer patients (Undergraduate Thesis)

# GPA and English Score

Undergraduate GPA: 4.11 / 4.5, Percentage equivalent: 94.0 / 100

Graduate GPA: 4.19 / 4.5, Percentage equivalent: 96.5 / 100

TOEIC: 875 (out of 990)

# Research Interest

Interested in unraveling the mechanisms of cancer or disease using omics data including WES, Bulk RNA-sequencing, and Single cell RNA-sequencing data.

Making platform or pipeline for the automated analysis.

# Relevant skills

**Software language** Python, R

**Computing Skills** Hadoop, Apache Spark (python based), Unix, Google Cloud Platform, AWS

**Rosalind** Rank: 84 / 315 (Korea), 29 XP

# Teaching

**CoRE (Collaboration Real Energy) Tutoring**, Soongsil UniversitySeoul, Korea

*Tutor* Sep. 2019 - Dec. 2019

Taught Hadoop File System and PySpark to students who took **“Distributed Big data Computing”** class for the whole semester

Taught python programming to students who are not accustomed to the python programming

# Awards and Honors

**Semester Honor Scholarship** Soongsil University, 2020

**CoRE Tutoring Best Tutor Award** Center for Innovative Teaching and Learning, Soongsil University, Korea, 2020

**Semester Honor Scholarship** Soongsil University, 2016

# Publications

Miao R, **Chun H**, Gomes A. C, Choi J, & Pereira J.Competition between hematopoietic stem and progenitor cells controls hematopoietic stem cell compartment size. Nat Commun. 2022. *Submitted*

Lee J\*, Hwang JH\*, **Chun H\*,** Woo W, Oh S, **Choi J^**, Kim LK^. PLEKHA8P1 Promotes Tumor Progression and Indicates Poor Prognosis of Liver Cancer. Int. J. Mol. Sci. 2021, 22, 7614

\*: co-first Author