

Dong Yeon Nam

Department of systems Biomedical Science School
Soongsil University

PERSONAL DATA

Brith: 18th Jul 1996, in Republic of South Korea
Nationality: Korean
Gender: Male
Military Service: Yes
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PERSONAL INFORMATION

I am a postgraduate student in Department of Systems Biomedical Science, Soongsil University. While attending undergraduate classes and working as a research intern, I became interested next-generation sequencing (NGS), Bio Artificial Intelligence and Machine Learning. And I am currently working as a researcher at Biomedical Data Science Laboratory Soongsil University

EDUCATION

Mar. 2015 ~ Feb. 2022	Soongsil University Department of Systems Biomedical Science <i>Graduate student (Bachelor of Science)</i> <i>B.S., Major: Bioinformatics and Biotechnology</i> <i>Advisor: Prof. Je-Keun Rhee</i>	Seoul, Korea
Sep. 2022 ~ Aug. 2024	Soongsil University Bioinformatics <i>Undergraduate student (Master of Science)</i> <i>M.S., Major: Bioinformatics</i> <i>Advisor: Prof. Je-Keun Rhee</i>	Seoul, Korea

RESEARCH INTEREST

- ✓ Bio Artificial Intelligence
- ✓ Next Generation Sequencing (NGS)

RESEARCH EXPERIENCES

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| <ul style="list-style-type: none">• Undergraduate Research Assistant✓ at Biomedical Data Science Laboratory, Soongsil University✓ Advisor: Prof. Je-Keun Rhee | Mar. 2021 ~ Feb. 2022 |
| <ul style="list-style-type: none">• Researcher✓ at Biomedical Data Science Laboratory, Soongsil University✓ Advisor: Prof. Je-Keun Rhee | Mar. 2022 ~ Aug. 2022 |

SKILLS AND TECHNIQUES

- Software Language
✓ R, Python
- Computer Skill
✓ Linux

AWARDS

- This Year's Natural Science Research Encouragement Award
Dec 9 (Fri), 2022
College of Natural Sciences, Soongsil University

PUBLICATIONS

1. **Dong-Yeon Nam, Je-Keun Rhee**, Assessment of MicroRNAs Associated with Tumor Purity by Random Forest Regression. *Biology*, 11:787, 2022.
2. **Dong-Yeon Nam, Je-Keun Rhee**, Identifying microRNAs associated with tumor immunotherapy response using an interpretable machine learning model. *Sci Rep* 14, 6172 (2024).

PROJECT

- PERSONAL PROJECT
Genome-Wide association study identifies genetic susceptibility loci about DNA repair activated by oxidative stress. (Practice of Biostatistics, 2020)
CNN (Separable Conv2D) for identifying Invasive Ductal Carcinoma. (Bio Artificial Intelligence, 2021)
- TEAM PROJECT
Development of next-generation genomic application technology for 4D-nucleome-based cardiomyopathy. (Sep. 2022 - Present)

WORKSHOP & CONFERENCE

- 16th Asian Institute in Statistical Genetics and Genomics Workshop
July 18 (Mon) - 23 (Sat), 2022
Seoul National University, Global Education Center for Engineers
- 2022 Annual Conference of Korean Society for Bioinformatics
October 19 (Wed) - 21 (Fri), 2022
KAIST, Daejeon, Korea
- The 19th KOGO Winter Symposium
February 01 (Wed) - 03 (Fri), 2023
Vivaldi Park, Hongcheon-gun, Gangwon-do, Korea.
- 2023 Annual Conference of Korean Society for Bioinformatics
November 13 (Mon) - 15 (Wed), 2023
SONO CALM YEOSU, Grand Ballroom

- The 20th KOGO Winter Symposium
January 31 (Wed) - February 02 (Fri), 2024
Vivaldi Park, Hongcheon-gun, Gangwon-do, Korea.

CONFERENCE Posters

- 2023 Annual Conference of Korean Society for Bioinformatics
November 13 (Mon) – 15 (Wed), 2023
SONO CALM YEOSU, Grand Ballroom

Poster: “Identifying microRNAs associated with tumor immunotherapy response using an interpretable machine learning model.”
- The 20th KOGO Winter Symposium
January 31 (Wed) - February 02 (Fri), 2024
Vivaldi Park, Hongcheon-gun, Gangwon-do, Korea.

Poster: “Identifying microRNAs associated with tumor immunotherapy response using an interpretable machine learning model.”