

Dasom Yoon

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EDUCATION

Gwangju Institute of Science and Technology
M.S in Artificial Intelligence Graduate School

Feb. 2024 ~ Present

Duksung Women's University, Seoul, Korea
B.S in Chemistry and Biotechnology

Mar. 2020 ~ Feb. 2024

GPA: 3.91 / 4.5

RESEARCH INTERESTS

Breast cancer is typically classified based on the expression of estrogen receptor (ER), progesterone receptor (PR), and human epidermal growth factor receptor-2 (HER-2). However, Triple-Negative Breast Cancer (TNBC) is characterized by the absence of expression in all three receptors, making conventional treatments used for other types of breast cancer less effective in TNBC. Therefore, I am interested in finding treatment strategies specifically for TNBC.

RESEARCH EXPERIENCES

Biomarker and Targeted Gene Discovery for Ovarian Cancer

Aug. 2023 ~ Dec. 2023

: Ovarian cancer with PARP inhibitor resistance cannot be treated with PARP inhibitors. In order to overcome PARP inhibitor resistance, I have conducted targeted gene discovery. I performed drug sensitivity analysis for five types of PARP inhibitors based on genetic mutations. I observed the results of drug sensitivity to PARP inhibitors when SMAD4 gene mutations were present.

AWARDS AND HONORS

SKILLS AND TECHNIQUES
