



Jeongwoong Yoon (Yoon)

Ph.D. Student in Bioengineering, admitted Autumn 2023

Bio

BIO

My previous research focused on the development of toolkit for marine bivalve cell culture and transgene expression. Inspired by the experience, I am seeking to find efficient and universally applicable methods to study non-model organisms that lack research infrastructure. As a biologist, I am exploring how we can rewrite genetic code to understand and engineer multicellular body plan, harnessing synthetic biology and genomics tools.

EDUCATION AND CERTIFICATIONS

- Master of Science, Tohoku University , Agricultural Science (2023)
- Bachelor of Science, Tohoku University , Applied Bioscience (2021)

LINKS

- Personal Website: <https://jyoonbioscience.wordpress.com>

Publications

PUBLICATIONS

- **Simple Transgene Overexpression using Scallop Hemocyte Culture Platform Enables Functional Genetic Research in Molluscs.** *Marine biotechnology (New York, N.Y.)*
Yoon, J., Tsuda, T., Bortoletto, E., Sakaguchi, A., Kobayashi, M., Rosani, U., Yokoi, H., Osada, M., Venier, P., Nagasawa, K.
2025; 27 (3): 94
- **Insights into ADAR gene complement, expression patterns, and RNA editing landscape in *Chlamys farreri*.** *Fish & shellfish immunology*
Bortoletto, E., Rosani, U., Sakaguchi, A., Yoon, J., Nagasawa, K., Venier, P.
2024; 151: 109743
- **Hemocytes of Yesso scallop characterized by cytological, molecular marker, and functional analyses.** *Fish & shellfish immunology*
Nagasawa, K., Kanamori, M., Yoon, J., Kobayashi, M., Mokrina, M., Kato, T., Osada, M.
2023; 137: 108751
- **Gene delivery available in molluscan cells by strong promoter discovered from bivalve-infectious virus.** *Proceedings of the National Academy of Sciences of the United States of America*
Yoon, J., Gu, W. B., Konuma, M., Kobayashi, M., Yokoi, H., Osada, M., Nagasawa, K.
2022; 119 (45): e2209910119