

Natalie Jion Myung Suh Choi

EDUCATION

Upstate Medical University, Upstate Accelerated Scholar | BS+MD

Upstate Accelerated Scholar Combined BS + MD program on the 4+4 Track, expected matriculation Fall 2027

Syracuse University, Coronat Scholar | Renée Crown Honors College

Bachelor of Science in Biology, minor in Psychology

GPA: 3.98 | A&S Coronat Scholar Full Ride Scholarship (\$ 32,000 per semester), Success Scholar GPA Scholarship (\$ 500 per semester), Deans list for three semesters, Renée Crown Honors College Peer Leader, Coronat Program Mentor, Honors Living Learning Community Residential Advisor

EXPERIENCE

Research Assistant, Wilmore Lab at Upstate Medical University

OCTOBER 2024 - PRESENT

Ongoing Immunology Research on Targeting Stress-Responsive Pathways in IgA+ Plasma Cells

Participated actively in regular meetings with fellow researchers to discuss project updates, challenges faced, and lessons learned during ongoing activities.

Monitored project timelines, ensuring timely completion of tasks while maintaining high-quality output.

Conducted literature reviews to support hypothesis development and identify gaps in existing knowledge.

Managed laboratory equipment and resources, ensuring proper maintenance and optimal functionality.

Contributed to the publication of research articles in peer-reviewed journals, showcasing expertise in various topics.

Clinical Intern, Kyung Hee Dental Healthcare Center (KHDHC)

MAY 2025 - AUGUST 2025

Observed physician-patient interaction and care

Enhanced patient understanding and compliance with treatment plans through clear, empathetic communication and education on health conditions.

Assisted with the development of individualized care plans for optimal patient recovery.

Upheld infection control and prevention policies across different patient-facing areas.

Reserach Intern, Nam Lab at Kyung Hee University Medical Center

MAY 2025 - AUGUST 2025

Completed cell research on Effects of hydrophilic chitosan addition on the surface, mechanical and biological characteristics of 3D-printed resins

Compiled data, and assisted in timely reporting.

Collaborated with team members for successful completion of research projects on time and within budget.

Assisted in development of research proposals, contributing to acquisition of grant funding.

PORTFOLIOS

[Research Portfolio](#)

PUBLICATIONS

Choi, M. S. (2021). Modeling ADHD in Drosophila: Investigating the Effects of Glucose on Dopamine Production Demonstrated by Locomotion. ArXiv. <https://arxiv.org/abs/2104.01469>

A. Bilg, **M. Choi**, S. Tewari, B. Chan, S. Anis, J. Luu, B. Afghani. Comparison Of Procalcitonin And C-Reactive Protein (Crp) In Neonatal Bacterial Sepsis

Accepted for Publication, Journal of Investigative Medicine, January 2020.

HONORS AND AWARDS

President's Volunteer Service Award, Gold (2021, 2022, 2023)

Three Time Cupertino Mayor Proclamation Award for Scientists Winner (2020, 2021, 2022)

Two Time Regional Finalist in At-Large BioGENEius

Challenge (2020, 2021); 3rd Place State Level

2nd Place in Medical Engineering, 2021 Synopsys Silicon Valley Science and

Technology Championship 3rd Place in Biological Science

and Engineering, 2020 Synopsys Silicon Valley

Science and Technology Championship

Finalist, American Society of Tropical Medicine and Hygiene

Competition 2020

Clinical Intern, National Pediatric Hospital

SEPTEMBER 2022 - AUGUST 2023 | MAY 2024 - JULY 2024

Worked as an on-staff clinical intern at the National Pediatric Hospital in Phnom Penh, Cambodia

Worked night shifts in assisting hospital's emergency code and trauma teams. Focused on executing chest compressions, pulse checks, blood transfusions and other life-saving tasks
Set-up cases and prep patients for surgical procedures, sterilized surgical sites, assist with bagging and intubation

Clinical Research Intern, Vanderbilt University

AUGUST 2021 - AUGUST 2022

Worked as a clinical research intern under the Molecular Physiology and Biophysics lab at Vanderbilt University

Presented an independent project exploring the application of Machine Learning Algorithms in a systematic review of the effectiveness of various Nanoparticle Drug Delivery Systems in treating Pancreatic Cancer.

Clinical Research Intern, Stanford Anesthesia Informatics and Media (AIM) Lab

MAY 2020 - AUGUST 2020

Engaged in various lectures and talks from Stanford faculty working on cutting-edge Anesthesia research and clinical care.

Presented a capstone project proposing "How stress and anxiety fuel your insomnia throughout the COVID-19 Pandemic."

Conducted and presented independent research exploring the effectiveness of various phytochemicals as Bacterial Quorum Sensing Inhibitors.

Clinical Research Intern, UC Irvine School of Medicine

MAY 2019 - JANUARY 2020

Completed a series of Research training, including Code of Conduct for human trials, evidence-based medicine fundamentals, and medical literature analytical practices.

Published research on Neonatal Bacterial Sepsis to The Journal of Investigative Medicine, second author