

CINDY HUNG

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EDUCATION

Smith College | Northampton, MA
Bachelor of Arts in Biochemistry
Dean's List

expected May 2022
GPA: 3.98/4.00
Sep 2018-May 2020

RELEVANT COURSES

Engineering Thermodynamics; Engineering for Everyone: Human Health; Fundamental Engineering Principles; Genomes and Genomic Analysis; Organic Chemistry I; Physical Chemistry; Advanced General Chemistry; Cells, Physiology, and Development; Introductory Physics I; Multivariable Calculus; Nutrition and Health

SKILLS

MATLAB, AutoCAD, R programming, Java (beginner); Microsoft Word, Excel, PowerPoint (advanced); Adobe Photoshop, Illustrator, XL (intermediate)

RESEARCH EXPERIENCE

Biomedical Engineering Group Leader and IBoard Member

Jun 2020-current

University of X COVID-19 Research Literature Review and Analysis Internship | remote

- Organize and lead weekly Biomedical Engineering Focus Group meetings to encourage collaborative learning of COVID-19 BME research findings
- Read, analyze, and summarize COVID-19 research articles on various topics (including diagnostic, treatment, and prevention methods) and upload the information on Icademy platform
- Communicate with other interns to provide constructive feedback on their work and improve the platform
- Present visual summaries to University Epidemiology faculty at public health journal club meetings

Research Lab Shadower

Sep 2019-Mar 2020 (COVID-19 interruption)

Smith College Moore Laboratory | Northampton, MA

- Attended lab meetings to gain a better understanding of the lab's novel Fn3 engineered proteins for cancer diagnosis and drug delivery
- Shadowed lab members to learn about individual research focus and prepare for wet lab research in the summer

Research Assistant

Jun 2017-Aug 2017

New York University Hochwagen Laboratory | New York, NY

- Devoted more than 320 hours investigating the DNA break-repair process during meiosis in *Saccharomyces cerevisiae* to prevent birth defect, infertility, and spontaneous fetal loss
- Introduced random point mutations in *Dmcl* deleted cells, identified 47 mutants, and dissected spores of the mutant cells under the microscope to test spore viability
- Extracted DNA samples of each mutant at different timepoints and ran CHEF gels to identify novel mutations that caused errors in checkpoint proteins
- Utilized gene editing tool CRISPR-Cas9 to test the role of each mutant previously identified in the *Mei4* gene

WORK EXPERIENCE

Advanced General Chemistry Tutor and Quantitative Tutor

Sep 2019-May 2020

Smith College Spinelli Center for Quantitative Learning | Northampton, MA

- Provided weekly query-based tutoring and held individual appointments as requested to enhance students' quantitative skills and/or their understanding of general chemistry topics
- Reviewed materials prior to each drop-in session and communicated student performance and challenges to the course instructor during weekly meetings