

Iris Bishins

(617)-784-0618 | ibbish15@gmail.com | Boston, MA

Education

Bachelor of Science in Cell Biology/Biochemistry | Minor in Visual Design | May 2026

Bucknell University, Lewisburg, PA

- **Honors:** Dean's List Fall 2025 & Spring 2026
- **Coursework:** Biology Inquiry & Observation, General Chemistry, Calculus I & II, Organic Chemistry I & II, Statistics I, Integrated Biology, Molecular Biology, Analytical Chemistry, Cell Biology, Biochemistry I, Animal Nutrition, Developmental Neurobiology, Biochemical Methods, Biological Physical Chemistry

Physics I & II | May 2024 - August 2024

Roger Williams University, Bristol, RI

Study Abroad | January 2025 - April 2025

Elisava School of Design & Engineering, Barcelona, Spain

- **Coursework:** Design Contexts, Culture, History, Art and Architecture, Advanced Principles in Design, Digital Representation Principles, Typography and Graphic Design, Interior Spaces

Research Experience

Undergraduate Research Assistant | August 2024 - May 2026

Biology Department of Bucknell University, Lewisburg, PA

- Conducted research on Internal Ribosome Entry Sites (IRES) with a focus on the Deformed Wing Virus IRES mechanism
- Designed and constructed plasmids using PCR, molecular cloning, and recombinant DNA techniques to support downstream functional assays
- Contributed to experimental design, data interpretation, and ongoing assay development

Anesthesia Research Assistant | January 2025 - August 2025

Beth Israel Deaconess Medical Center, Boston, MA

- Investigated the role of the ADA2 enzyme in immune system regulation
- Prepared and sectioned tissue samples for histological analysis and immunofluorescence microscopy
- Performed immunofluorescence microscopy and H&E staining
- Conducted and analyzed Western blot experiments to assess protein expression

Work Experience

Alumni Relations | January 2024 - December 2025

Delta Gamma Epsilon Beta, Lewisburg, PA

- Coordinated alumni outreach initiatives, including newsletters and engagement events
- Designed digital and print graphics to support organizational communication and branding

Primary Care Group Intern | July 2023 - August 2023

Southcoast Health, Marion, MA

- Shadowed physicians across primary care settings to observe clinical workflows and patient interactions
- Organized and analyzed collected clinical data using basic statistical methods

Presentations

Beth Israel Deaconess Medical Center, Boston, MA | August 2025

- *Effects of ADA2 on Adenosine Oligonucleotides In Vitro.* Presented at an interdepartmental meeting

Skills

Laboratory Techniques: PCR, qPCR, Site-Directed Mutagenesis, Mammalian Cell Culture, SDS-PAGE, Western Blotting, Cell Fractionation, Tissue Sectioning, Immunohistochemistry, Immunofluorescence

Data & Software: RStudio, Microsoft Excel, AutoCAD, Adobe Creative Suite, Igor