**Daniela Danilova**

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# EDUCATION

**University of North Carolina at Chapel Hill** Chapel Hill, NC

***Bachelor of Science: Biology, Quantitative Track*** May 2026

* Dean’s List (FA22, SP23, FA23, SP24, FA24) | Honors Carolina (awarded to 10% of incoming class)

# PROFESSIONAL EXPERIENCE

**Chen Lab, Marsico Lung Institute – *Student Research Assistant*** May 2023 – Present

* Assisted in translational research on muco-obstructive pulmonary diseases in mouse and human models
* Engaged in an independent research project for course credit (BIOL395) during the Spring 2025 semester
* Skills: Mouse colony management; lung sample extraction; slide preparation and imaging; data analysis with R

**Murphy Lab, Wake Forest School of Medicine – *Research Assistant*** May 2024 – August 2024

* Examined the use of organ-tissue equivalent models of the airway in characterizing dose-toxicity relationships for ammonia gas exposure as part of the selective Summer Scholars program
* Skills: Cell culture; Ingenuity Pathway Analysis; GraphPad Prism software; technical writing; poster presentation

# CAMPUS AND COMMUNITY INVOLVEMENT

**Railcare Health – *Director of Communications, Chapel Hill Branch*** October 2022 – Present

* Redesigned organization website, maintained a steady social media presence through monthly health

education posts, and responded to publicity requests from the executive board in a timely manner

* Led advertising and outreach efforts within the Communications and PR Team for an organization-wide fundraising gala in collaboration with the Greenville Branch (scheduled for June 2025)

**Carolina Scientific Magazine – *Writer; Associate Editor; Managing Editor*** August 2022 – Present

* Conducted interviews with UNC-Chapel Hill principal investigators and authored feature articles on their research, distributed in print across campus and online to over 20,000 undergraduate students and faculty
* Managed contributors’ progression throughout the writing season by providing multiple rounds of content editing and coordinating peer editing sessions, ensuring submissions met strict magazine standards and deadlines

**MathStatBites – *Blog Editor*** September 2024 – Present

* Edited blogs by early-career US researchers covering the latest advancements in applied mathematics research

**DNA Day – *Blog Writer and Editor*** October 2023 – Present

* Wrote and edited blogs by early-career UNC researchers on common scientific phenomena, distributed online to over 30,000 university students and faculty

**Learn To Be – *Volunteer; Treasurer*** February 2023 – Present

* Increased middle and high school students’ aptitude in common standardized testing and curriculum topics in mathematics through weekly online tutoring sessions

**Hearts for the Homeless International – *Volunteer; President*** January 2023 – Present

* Managed all communications between student volunteers and the executive team in a timely manner
* Expanded organization presence to over 300 active members, helping the UNC-Chapel Hill chapter receive the national “Chapter of the Year” in 2023 and 2024

**ADDITIONAL INFORMATION**

* **Languages:** Russian (Native Proficiency)