



## RESEARCH PATHWAYS

# BIOLOGY

Undergraduate research is a cornerstone of our mission at Rutgers-Camden. Our goal is to provide as much support as possible for you to have a successful research experience.

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Need funding for a research project or conference travel experience?



We encourage you to visit [go.rutgers.edu/ug-grants](https://go.rutgers.edu/ug-grants) to see what funding opportunities are available. Currently, you can receive up to \$500.00 to offset research expenses and conference travel expenses.

Looking for a research project?



If you know you want to get involved in research, but are unsure of where to start, visit [go.rutgers.edu/curca-hub](https://go.rutgers.edu/curca-hub) to view by subject area and keyword the different research projects seeking biology majors. Current projects listed on the hub include:

» "Large-scale genome analysis," with Dr. Andrey Grigoriev ([agrigoriev@camden.rutgers.edu](mailto:agrigoriev@camden.rutgers.edu))

The Department of Biology has extensive undergraduate research opportunities for all students to engage in research, no matter what stage they're in. We recommend research shadowing as early as their first year, joining a research-focused experiential learning course, or simply emailing Biology faculty ([biology.camden.rutgers.edu/faculty](mailto:biology.camden.rutgers.edu/faculty)). For further guidance and to learn more about the Certificate for Life Sciences Research Curriculum, reach out to the Director of Undergraduate Biology, Dr. Nathan Fried at [nathan.fried@rutgers.edu](mailto:nathan.fried@rutgers.edu).

[biology.camden.rutgers.edu](https://biology.camden.rutgers.edu)

Who are the faculty? What do they research? What are their interests?

- » Dr. Brian Corbett ([brian.corbett@rutgers.edu](mailto:brian.corbett@rutgers.edu)): Stress Neuroscience; Systems Neuroscience; Epigenetics
- » Dr. Nathan Fried ([nathan.fried@rutgers.edu](mailto:nathan.fried@rutgers.edu)): Neuroscience; Pain; Migraine; Opioid Epidemic; Biology Education Research
- » Dr. Anthony Geneva ([anothony.geneva@rutgers.edu](mailto:anothony.geneva@rutgers.edu)): Evolutionary Genomics; Adaptation; Speciation
- » Dr. Angélica González ([angelica.gonzalez@rutgers.edu](mailto:angelica.gonzalez@rutgers.edu)): Biodiversity; Ecological Stoichiometry; Functional Biogeography; Food Webs; Paleocology; Environmental Change
- » Dr. Andrey Grigoriev ([agrigoriev@camden.rutgers.edu](mailto:agrigoriev@camden.rutgers.edu)): Genome Organization; Evolution and Manifestation; Cancer
- » Dr. Eric Klein ([eric.a.klein@rutgers.edu](mailto:eric.a.klein@rutgers.edu)): Bacterial Pathogenesis and Cell Shape
- » Dr. Kwangwon Lee ([kwang1@camden.rutgers.edu](mailto:kwang1@camden.rutgers.edu)): Circadian Clock/ Light Regulation; Fungal Genetics; Fungal Ecology; Systems Biology
- » Dr. Jennifer Oberle ([joberle@camden.rutgers.edu](mailto:joberle@camden.rutgers.edu)): Fungal and Microbial Biology; Trends in Evolutionary Ecology; Invertebrate Zoology
- » Ms. Tracie Paulson ([traciep@camden.rutgers.edu](mailto:traciep@camden.rutgers.edu)): Biology Education
- » Dr. Xingyun Qi ([xingyun.qi@rutgers.edu](mailto:xingyun.qi@rutgers.edu)): Stomatal Development; Abiotic Stress; Plant Cell Biology
- » Ms. Charlene Sayers ([cwsayers@camden.rutgers.edu](mailto:cwsayers@camden.rutgers.edu)): Anatomy and Physiology
- » Dr. Daniel Shain ([dshain@camden.rutgers.edu](mailto:dshain@camden.rutgers.edu)): Annelid Development and Evolution
- » Dr. Maria Solesio Torregrosa ([m.solesio@rutgers.edu](mailto:m.solesio@rutgers.edu)): Mitochondrial Physiology and Dysfunction in Aging and Neurodegeneration
- » Dr. Nir Yakoby ([yakoby@camden.rutgers.edu](mailto:yakoby@camden.rutgers.edu)): Developmental Genetics; Evolution of Morphologies; Cell Signaling; Tissue Patterning



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