Undergraduate Research at Duke: Biomedical & Natural Sciences

Research at Duke is organized by Principle Investigators (PIs), faculty scientists who receive grants, direct labs, mentor post-docs, graduate students and undergraduates. There are over 500 active PIs in the biological and biomedical sciences at Duke, a Tier 1 research institution.

For a sampling of research at Duke, go to: research.duke.edu

Principle Investigators are organized in Departments which in turn are organized by Schools:


School of the Environment: Environmental Science, Marine Science, Earth & Ocean Sciences

School of Engineering: Biomedical Engineering, Civil & Environmental Engineering

School of Medicine: Biochemistry, Bioinformatics, Cell Biology, Immunology, Microbiology & Molecular Genetics, Neurobiology, Pharmacology & Cancer Biology. Medicine, Pathology, Ophthalmology, Surgery, etc.

For links to bioscience departments, go to: www.biology.duke.edu/undergrad/otherbiosci.html

Search the Medical Center Faculty Research Database: https://faculty.duhs.duke.edu/faculty/search

Get Involved in Research at Duke in three ways:

1. Volunteer & Work-Study positions are excellent starting points to get into a lab.
   Contact PIs directly, or look for announcements on DukeList: dukelist.duke.edu

2. Independent Study deepens your research experience as part of your course work, perhaps leading to an honors thesis. Contact potential mentors directly. Ask your instructor if he or she is involved in research, or can refer you to someone that is. Contact the Director of Undergraduate Studies (DUS) for suggestions and use the resources on the departmental undergraduate pages:
   www.biology.duke.edu/undergrad/independent/index.html
   evolutionar yanthropology.duke.edu/undergraduate/undergraduate-research
   dibs.duke.edu/education/undergraduate-neuroscience/academics/undergrad-research
   www.chem.duke.edu/undergraduates/research
   www.pratt.duke.edu/research/index.php

3. Summer Research Programs, either here at Duke or elsewhere. These programs are typically competitive, with applications due in January or February:

   Howard Hughes Research Fellows for rising sophomores https://howardhughes.trinity.duke.edu/research/fellows
   Howard Hughes VIP Program – Science across Scale https://howardhughes.trinity.duke.edu/research/vip
   IGSP Summer Fellowship Program in genomics
   www.genomics.duke.edu/education/undergraduate/fellowships
   Rachel Carson & Bookhout Research Scholars at the Duke University Marine Lab
   www.nicholas.duke.edu/marinelab/programs/undergraduate
   PRUV Fellows in mathematics
   www.math.duke.edu/vigre/pruv
   Pratt Research Fellows for engineering students
   www.pratt.duke.edu/pratt-research-fellow
   Summer Research Opportunity Program for minority students
   gradschool.duke.edu/gsa/srop

   For more complete lists of programs, go to:
   http://undergraduateresearch.duke.edu/opportunities

Undergraduate Research Support Office: undergraduateresearch.duke.edu
Information on grants, assistantships, undergraduate research links, summer programs and more.

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Undergraduate Research at Duke: Social Sciences & Humanities

Research at Duke is organized by mentors, faculty who receive grants, conduct research and direct collaborative projects. For a sampling of research at Duke, go to: research.duke.edu

Principle Investigators are organized in Departments which in turn are organized by Schools:


School of Public Policy: Public Policy (note: the undergraduate major is in Trinity College)

School of the Environment: Environmental Science & Policy, Marine Science and Conservation

For links to the departments and faculty in Arts & Sciences: trinity.duke.edu/departments
For links to the departments and faculty in Public Policy: sanford.duke.edu
For links to the departments and faculty in Environment: www.env.duke.edu

Get Involved in Research at Duke in three ways:

1. Volunteer & Work-Study positions are excellent starting points. Working as a research assistant builds skills and contacts that can develop into a rewarding research experience. Contact faculty directly, or look for announcements on DukeList: dukelist.duke.edu

2. Independent Study deepens your research experience as part of your course work, perhaps leading to an honors thesis. Contact potential mentors directly. Ask your instructor if she is involved in research, or can refer to someone that is. Contact the Director of Undergraduate Studies (DUS) for suggestions and use the resources on the departmental undergraduate pages. Here are a few from the social sciences:
   - www.nicholas.duke.edu/people/undergrad/independent-study
   - sanford.duke.edu/undergraduate/honors
   - econ.duke.edu/undergraduate/undergraduate-research
   - polisci.duke.edu/undergraduate/undergraduate-research
   - psychandneuro.duke.edu/undergraduate/independent-study
   - globalhealth.duke.edu/dghi-fieldwork

3. Summer Research Programs, either here at Duke or elsewhere. These programs are typically competitive, with applications due in January or February. Intensive summer research programs are available in Psychology, Public Policy, Political Science, and Genome Science & Policy.

For more complete lists of programs, go to:
   - http://undergraduateresearch.duke.edu/opportunities

Undergraduate Research Support Office: undergraduateresearch.duke.edu
Information on grants, assistantships, undergraduate research links, summer programs and more. Funding is available for individual research projects in all areas. In particular the following support is available through the URS Office:

- URS Independent Study grants, research assistantships, and travel grants
- Mellon Mays Undergraduate Fellowships
- Benenson Awards in the Arts
- Graduation with Distinction Awards for projects outside the major
- Dean’s Summer Research Fellowships

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