The department's tradition of interdisciplinary collaboration affords students opportunities in joint CMU graduate programs:

**M.S. in Computational Biology**
Joint with the Computational Biology Department
Website: cmu.edu/ms-compbio

**M.S. in Biotechnology and Pharmaceutical Engineering**
Joint with the Department of Chemical Engineering
Website: cmu.edu/ms-biotech-pharma

Biological Sciences faculty are leaders or collaborators in many research centers at Carnegie Mellon University:

- Center for Neural Basis of Cognition
- Center for the Mechanics and Engineering of Cellular Systems
- Center for Molecular Analysis
- Center for Nucleic Acids Science and Technology
- Molecular Biosensors and Imaging Center
- Pittsburgh NMR Center for Biomedical Research
- Pittsburgh Supercomputing Center

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Inquiries concerning the application of and compliance with this statement should be directed to the university ombudsman, Carnegie Mellon University, 5000 Forbes Avenue, Pittsburgh, PA 15213, telephone 412-268-1018.

FACULTY RESEARCH INTERESTS

ALISON BARTH
Maxwell H. and Gloria C. Connan Professor of the Life Sciences
Activity-dependent gene expression in the CNS, the cellular and synaptic mechanisms that underlie learning and memory, the effect of behavioral training on neural excitability and anatomy

GORDON RULE
Professor
Protein structure; molecular recognition; NMR spectroscopy; x-ray diffraction

TINA LEE
Associate Professor
Biophysics; self-assembling; cytoskeleton; signal transduction; microscopy

ADAM LINSTEDT
Professor
Mechanisms of membrane compartmentalization; trafficking and inheritance

JAVIER LÓPEZ
Associate Professor
Mechanisms of signal transduction and cytoskeletal organization during Drosophila development

ERIC YTTRI
Assistant Professor
Biological imaging; expansion microscopy; optogenetics; reporter; in vivo imaging; synapse typing; complex diseases

CARNEGIE MELLON UNIVERSITY
The only top 25 university founded in the 20th century, Carnegie Mellon University has rapidly evolved into an internationally recognized institution with a distinctive mix of world-class educational and research programs. More than 8,000 undergraduate and graduate students enjoy exceptional opportunities for innovation and interdisciplinary research toward finding meaningful solutions to significant problems of society.

PITTSBURGH
Pittsburgh ranks in the top 10 on lists for liveability, jobs, and affordability, including ranking among the top 10 U.S. cities for millennials. The New York Times calls Pittsburgh “a tech hub.” Excellence in education, healthcare, culture and environment lead to a #2 ranking in the U.S. by the Economist Intelligence Unit’s report.