The Department of Biology provides training for both undergraduate and graduate students. The strongest areas of training in the program are in Animal Behavior, Biochemistry, Cell and Developmental Biology, Computational Biology, Ecology and Evolutionary Biology, Genetics, Molecular Biology, Neurobiology, Physiology, and Plant Biotechnology. In addition, the Department is closely affiliated with other divisions such as the School of Medicine and the Case School of Engineering at Case Western Reserve University. Cooperative programs outside of Case including the Cleveland Museum of Natural History, Cleveland Metroparks Zoo, and Holden Arboretum allow students to have a variety of resources at hand. Research in the department is primarily conducted in one of three focus areas: Cell and Developmental Biology, Neurobiology and Neuronal Systems, or Plant Dynamics and Disturbance Ecology. This focus framework allows faculty to build on common research interests. Mentored teaching and research programs with faculty and students foster a strong educational environment in the Department.

**Highlights in Student and Post-doc Achievements and Publications**

**Graduate Student Publications, Honors, and Awards**

**Lavigne, W. A.**

- Honors in Biology (honors) and American Museum of Natural History in New York City (honors) for research on insect behavior.

**Floyd, J. T.**

- Honors in Biology (honors) for research on insect behavior.

**Sweat, E. R.**

- Honors in Biology (honors) for research on insect behavior.

**Tien, J. H.**

- Honors in Biology (honors) for research on insect behavior.

**Baker, J. D.**

- Honors in Biology (honors) for research on insect behavior.

**Perez, M. A.**

- Honors in Biology (honors) for research on insect behavior.

**Miller, K. K.**

- Honors in Biology (honors) for research on insect behavior.

**Research and Training Awards**

- NSF SBIR (Small Business Innovation Research) Grant for research on insect behavior.

- NIH R01 (Research Project Grant) for research on insect behavior.

- Department of Energy (DOE) Grant for research on insect behavior.

- National Science Foundation (NSF) Grant for research on insect behavior.

**Exhibitions and Presentations**

- Invited Speaker at the annual meeting of the American Society for Neurobiology.

- Poster Presentation at the annual meeting of the American Society for Neurobiology.

**Teaching and Emeriti Faculty**

- Jim Baker: Aquatic Biology, K-12 outreach
- Monte Burie: Biochemistry, Intro Biology
- Nancy Dillaha: Cell biology and microbiology
- Richard Druhet: Anatomy, physiology, robotics, executive officer
- Barbara Kuwamura: Cell biology, molecular biology
- Michael B. Lewis: Systems biology, GOI chemistry
- Ronald Clifford: Cell biology, mammalian biology
- Norman Rainforth: Ichthyology, Anatomy, Vertebrate lab
- Rich Sussman: Botany, Genetics
- Janine Wasser: Introductory biology, physiology
- James Zabala: Human learning and Brain in education

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