Saint Louis University Academic Catalog 2020-2021

DEPARTMENT OF BIOLOGY

Leadership
Laurie Shornick, Ph.D.
Department Chair
Gerardo Camilo, Ph.D.
Associate Chair
Lindzy Dodson, Ph.D.
Undergraduate Program Coordinator
Jon Fisher, Ph.D.
Graduate Program Coordinator
Julie Thole, Ph.D.
Undergraduate Research Coordinator

Overview
The Department of Biology at Saint Louis University explores the dynamic science with the aim of gaining a better understanding of the processes of living organisms.

Biology is the scientific study of living organisms and its study is central to understanding the world around us. Biologists continue to make critical advances in our understanding of human and global health and welfare. The Department of Biology prepares students in the principles, concepts, and methods of modern biology, and develops analytical skills necessary for advanced study in a broad range of scientific and non-science disciplines.

The Department of Biology operates the Reis Biological Field Station for research and teaching, providing unique opportunities for students to explore ecology, environmental science, and conservation biology. Students can find additional opportunities for research and hands-on learning through internships at locations throughout St. Louis, including the Saint Louis Zoo, the Missouri Botanical Garden and the Danforth Plant Science Center.

Programs
Undergraduate
- Bioinformatics and Computational Biology, Bachelor’s to M.S. Accelerated Program (http://catalog.slu.edu/colleges-schools/arts-sciences/interdisciplinary/bioinformatics-computational-biology-bs/)
- Biology, B.A. (http://catalog.slu.edu/colleges-schools/arts-sciences/biology/biology-ba/)
- Biology, B.S. (http://catalog.slu.edu/colleges-schools/arts-sciences/biology/biology-bs/)
- Biology, B.S. to Masters in Chemical Biology Accelerated Program (http://catalog.slu.edu/colleges-schools/arts-sciences/biology/chemical-biology-bs/)
- Biology, B.S. to Pharmacy, Pharm.D. Accelerated Program (http://catalog.slu.edu/colleges-schools/arts-sciences/biology/accelerated-pharmd/)
- Biology, Minor (http://catalog.slu.edu/colleges-schools/arts-sciences/biology/biology-minor/)
- Neuroscience, B.S. (http://catalog.slu.edu/colleges-schools/arts-sciences/interdisciplinary/neuroscience-bs/)

Graduate
- Bioinformatics and Computational Biology, M.S. (http://catalog.slu.edu/colleges-schools/arts-sciences/interdisciplinary/bioinformatics-computational-biology-ms/)
- Biology, M.A. (http://catalog.slu.edu/colleges-schools/arts-sciences/biology/biology-ma/)
- Biology, M.S. (http://catalog.slu.edu/colleges-schools/arts-sciences/biology/biology-ms/)
- Biology, Ph.D. (http://catalog.slu.edu/colleges-schools/arts-sciences/biology/biology-phd/)

Faculty
Additional Faculty Information (https://www.slu.edu/arts-and-sciences/biology/faculty/)

Full-time Faculty
Elizabeth Angeli, M.S.
Alaina T. Baker-Nigh, Ph.D.
Stephen Blake, Ph.D.
Elena Bray Speth, Ph.D.
Gerardo R. Camilo, Ph.D.
Lindzy F. Dodson, Ph.D.
Brian P. Downes, Ph.D.
Benjamin England, Ed.D.
Jonathan S. Fisher, Ph.D.
Kasey D. Fowler-Finn, Ph.D.
Eva B. Gonzales, Ph.D.
Blythe E. Janowiak, Ph.D.
Jack Kennell, Ph.D.
Jason Knouft, Ph.D.
Zhenguo Lin, Ph.D.
Richard Mayden, Ph.D.
Ashley Milam, Ph.D.
Allison J. Miller, Ph.D.
Sofia Origant, Ph.D.
Judith M. Ogilvie, Ph.D.
Laurie Russell, Ph.D.
Laurie L. Shornick, Ph.D.
Susan A. Spencer, Ph.D.
Julie M. Thole, Ph.D.
Thomas J. Valone, Ph.D.
Yuqi Wang, Ph.D.
Daniel E. Warren, Ph.D.
Robert M. Wood, Ph.D.
Wenyan Xiao, Ph.D.
Dapeng Zhang, Ph.D.
Fenglian Xu, Ph.D.

Laboratory Staff
Anita Dedic, B.S.
Timothy E. Dooley, M.A., D.O.
Emma Hundermark, M.S.

Affiliated Faculty
Missouri Botanical Garden
Thomas B. Croat, Ph.D.
Peter Goldbatt, Ph.D.
Peter Raven, Ph.D.
Mick Richardson, Ph.D.

St. Louis Zoological Park
Joan E. Bauman, Ph.D.

Sigma-Aldrich Corp.
Kevin Kayser, Ph.D.

Department of Biochemistry and Molecular Biology
Dorota Skowyra, Ph.D.

Department of Obstetrics, Gynecology, and Women’s Health
Gerald S. Zavorsky, Ph.D.

United States Department of Agriculture, ARS
Yong-quiang Charles An, Ph.D.