

DEPARTMENT OF BIOLOGY

The Department of Biology at Saint Louis University explores dynamic science to gain 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 SLU 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 nonscience 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 (<https://catalog.slu.edu/colleges-schools/science-engineering/computer-science/bioinformatics-computational-biology-abm/>)
- Biology, B.A. (<https://catalog.slu.edu/colleges-schools/arts-sciences/biology/biology-ba/>)
- Biology, B.A. to Public Health, M.P.H. Accelerated Program (<https://catalog.slu.edu/colleges-schools/arts-sciences/biology/biology-ba-mph-accelerated/>)
- Biology, B.S. (<https://catalog.slu.edu/colleges-schools/arts-sciences/biology/biology-bs/>)
- Biology, B.S. to Masters in Chemical Biology Accelerated Program (<https://catalog.slu.edu/colleges-schools/arts-sciences/biology/biology-chemical-biology-abm/>)
- Biology, B.S. to Pharmacy, Pharm.D. Accelerated Program (<https://catalog.slu.edu/colleges-schools/arts-sciences/biology/biology-accelerated-pharmd/>)
- Biology, B.S. to Public Health, M.P.H. Accelerated Program (<https://catalog.slu.edu/colleges-schools/arts-sciences/biology/biology-bs-mph-accelerated/>)
- Biology, Minor (<https://catalog.slu.edu/colleges-schools/arts-sciences/biology/biology-minor/>)
- Neuroscience, B.S. (<https://catalog.slu.edu/colleges-schools/arts-sciences/interdisciplinary/neuroscience-bs/>)

Graduate

- Bioinformatics and Computational Biology, M.S. (<https://catalog.slu.edu/colleges-schools/science-engineering/computer-science/bioinformatics-computational-biology-ms/>)
- Biology, M.A. (<https://catalog.slu.edu/colleges-schools/arts-sciences/biology/biology-ma/>)
- Biology, M.S. (<https://catalog.slu.edu/colleges-schools/arts-sciences/biology/biology-ms/>)

- Biology, Ph.D. (<https://catalog.slu.edu/colleges-schools/arts-sciences/biology/biology-phd/>)

Faculty Leadership

Laurie Shornick, Ph.D.

Department chair

Lindzy Dodson, Ph.D.

Associate chair

Julie Thole, Ph.D.

Undergraduate program coordinator

Rob Wood, Ph.D.

Graduate program coordinator

Full-time Faculty

Elizabeth Angeli, M.S.

Alaina T. Baker-Nigh, Ph.D.

Stephen Blake, Ph.D.

Elena Bray Speth, 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. (Emeritus)

Jason Knouft, Ph.D.

Zhenguo Lin, Ph.D.

Richard Mayden, Ph.D. (Emeritus)

Ashley Milam, Ph.D.

Allison J. Miller, Ph.D.

Sofia Origanti, Ph.D.

Judith M. Ogilvie, Ph.D.

Laurie Russell, Ph.D.

Laurie L. Shornick, Ph.D.

Susan A. Spencer, Ph.D.

William Stark, Ph.D. (Emeritus)

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.

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 Skowrya, 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.

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