DEPARTMENT OF BIOCHEMISTRY AND BIOPHYSICS

http://biochemistry.tamu.edu

Head: Dorothy E. Shippen

The Department of Biochemistry and Biophysics offers programs of study and research leading to the MS and PhD degrees in biochemistry. These programs are designed to provide the background for a career in independent research; in addition, graduate students gain experience in teaching, inasmuch as each is required to serve as a teaching assistant during his or her graduate work. A non-thesis option for the MS degree is available to students not intending to enter a research career.

Ongoing research activities involve plants, animals and microorganisms and span the broad fields of molecular biology, protein and nucleic acid structure, virology, enzymology, biophysical chemistry and biochemical nutrition. The department occupies a modern research building that is well equipped to conduct biochemical research. Students entering graduate work in biochemistry are required to have adequate preparation in chemistry, mathematics, physics and molecular biology. The program leading to the PhD degree is designed for extensive involvement in research. The resulting dissertation must demonstrate a superior knowledge and understanding of the subject area. In addition, the student must demonstrate a broad and commanding knowledge of general biochemistry. There is no language requirement. There is, however, an English requirement for all students, including those seeking the MS degree. The department encourages interdisciplinary research projects with other departments. Detailed information about the graduate program may be obtained from the Biochemistry Graduate Programs Office, which can be reached by mail, by email at biobiograd@tamu.edu or by telephone at 1-800-4-TAMBIO. Information can also be obtained from the website at http://biochemistry.tamu.edu.

Faculty

Ayres, Nicola M, Senior Lecturer
Biochemistry & Biophysics
PHD, University of Nebraska - Lincoln, 1987

Bryk, Mary E, Associate Professor
Biochemistry & Biophysics
PHD, Albany Medical College, 1994

Cho, Jae H, Assistant Professor
Biochemistry & Biophysics
PHD, State University of New York at Stony Brook, 2006

Cruz-Reyes, Jorge A, Professor
Biochemistry & Biophysics
PHD, London School of Hygiene & Tropical Medicine, 1992

Datta, Sumana, Professor
Biochemistry & Biophysics
PHD, University of California - San Diego, 1987

Devarenne, Timothy P, Associate Professor
Biochemistry & Biophysics
PHD, University of Kentucky, 2000

Glasner, Margaret E, Associate Professor
Biochemistry & Biophysics
PHD, Massachusetts Institute of Technology, 2003

Gohil, Vishal M, Associate Professor
Biochemistry & Biophysics
PHD, Wayne State University, 2005

He, Ping, Professor
Biochemistry & Biophysics
PHD, Kansas State University, 2003

Henderson, Michelle, Senior Lecturer
Biochemistry & Biophysics
PHD, Texas A&M University, 2010

Herman, Jennifer K, Associate Professor
Biochemistry & Biophysics
PHD, Indiana University, 2005

Hu, James C, Professor
Biochemistry & Biophysics
PHD, University of Wisconsin - Madison, 1987

Igumenova, Tatyana I, Associate Professor
Biochemistry & Biophysics
PHD, Columbia University, 2003

Kunkel, Gary R, Associate Professor
Biochemistry & Biophysics
PHD, University of California - Los Angeles, 1977

Krousik, Dzmitry L, Assistant Professor
Biochemistry & Biophysics
PHD, Suny at Albany, 2013

Li, Pingwei, Professor
Biochemistry & Biophysics
PHD, Peking University, 1996

Meek, Thomas D, Professor
Biochemistry & Biophysics
PHD, Pennsylvania State University, 1981

Miles, Bryant W, Senior Lecturer
Biochemistry & Biophysics
PHD, Texas A&M University, 1998

Mullet, John E, Professor
Biochemistry & Biophysics
PHD, University of Illinois - Urbana-Champaign, 1981

Panin, Vladislav M, Professor
Biochemistry & Biophysics
PHD, Moscow State University, 1990

Park, William D, Professor
Biochemistry & Biophysics
PHD, University of Florida, 1977

Pellois, Jean-Philippe, Professor
Biochemistry & Biophysics
PHD, University of Houston, 2002
Perez, Stephanie A, Lecturer
Biochemistry & Biophysics
PHD, Texas A&M University, 2012

Peterson, David O, Senior Professor
Biochemistry & Biophysics
PHD, Harvard University, 1977

Piskho, Elizabeth J, Lecturer
Biochemistry & Biophysics
PHD, University of Texas, 1993

Polymenis, Michael S, Professor
Biochemistry & Biophysics
PHD, Tufts University, 1994

Reinhart, Gregory D, Professor
Biochemistry & Biophysics
PHD, University of Wisconsin - Madison, 1979

Reynolds, Mollie M, Senior Lecturer
Biochemistry & Biophysics
PHD, Texas A&M University, 2010

Rye, Chavela M, Senior Lecturer
Biochemistry & Biophysics
PHD, MIT, 2014

Rye, Hays S, Associate Professor
Biochemistry & Biophysics
PHD, University of California-Berkeley, 1995

Sacchettini, James C, Professor
Biochemistry & Biophysics
PHD, Washington University in St. Louis, 1987

Shippen, Dorothy E, Professor
Biochemistry & Biophysics
PHD, University of Alabama at Birmingham, 1987

Stover, Patrick, Professor
Biochemistry & Biophysics
PHD, Virginia Commonwealth University, 1990

Straight, Paul D, Associate Professor
Biochemistry & Biophysics
PHD, University of Colorado, 2000

Sze, Sing, Associate Professor
Biochemistry & Biophysics
PHD, University of Southern California, 2000

Threadgill, David, Professor
Biochemistry & Biophysics
PHD, Texas A&M University, 1989

Young, Ryland F, Distinguished Professor
Biochemistry & Biophysics
PHD, University of Texas at Dallas, 1975

Zeng, Lanying, Associate Professor
Biochemistry & Biophysics
PHD, University of Illinois at Urbana-Champaign, 2007

Zhang, Junjie, Assistant Professor
Biochemistry & Biophysics
PHD, Baylor College of Medicine, 2009

Zhang, Xiuren, Professor
Biochemistry & Biophysics
PHD, Cornell University, 2003

Masters

- Master of Science in Biochemistry (http://catalog.tamu.edu/graduate/colleges-schools-interdisciplinary/agriculture-life-sciences/biochemistry-biophysics/biochemistry-ms)

Doctoral

- Doctor of Philosophy in Biochemistry (http://catalog.tamu.edu/graduate/colleges-schools-interdisciplinary/agriculture-life-sciences/biochemistry-biophysics/phd)