

DEPARTMENT OF BIOCHEMISTRY AND BIOPHYSICS

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Head: A. Joshua Wand, PhD

The Department of Biochemistry and Biophysics offers programs leading to the MS and PhD degrees in Biochemistry. These research-intensive programs are designed to establish the foundational skill set required of an independent research career. Graduate students also gain educational experience through the teaching assistantship requirement.

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. Incoming students are expected to demonstrate adequate preparation in chemistry, mathematics, physics, and molecular biology. Graduate students will participate in active research under a faculty member for the duration of their studies. Interdisciplinary research projects are encouraged. On successful completion of the program, graduates should demonstrate a command of both their chosen research specialty and biochemistry broadly.

There is no foreign language requirement. All students are required to demonstrate English language proficiency. Contact the Graduate Office at biobiograd@tamu.edu or 1-800-4-TAMBIO for more information.

Faculty

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

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

Cho, Jae H, Associate 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 at 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

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

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

Kurouski, Dzmitry L, Assistant Professor
Biochemistry & Biophysics
PHD, State University of New York at Albany, 2012

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 at 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

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

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

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

Rye, Chavela M, Senior Lecturer
Biochemistry & Biophysics
PHD, Massachusetts Institute of Technology, 2014

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

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

Shan, Libo, Professor
Biochemistry & Biophysics
PHD, Kansas State University, 2003

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

Stover, Patrick, University Distinguished 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, University Distinguished Professor and Regents
Professor
Biochemistry & Biophysics
PHD, Texas A&M University, 1989

Tommos, Ingrid, Professor
Biochemistry & Biophysics
PHD, Stockholm University, 1997

Wand, Andrew, University Distinguished Professor
Biochemistry & Biophysics
PHD, University of Pennsylvania, 1984

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

Zhang, Junjie, Associate 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 and Molecular Biophysics (<http://catalog.tamu.edu/graduate/colleges-schools-interdisciplinary/agriculture-life-sciences/biochemistry-biophysics/biochemistry-molecular-biophysics-phd/>)

Certificates

- Bioinformatics and Computational Biology Certificate (<http://catalog.tamu.edu/graduate/colleges-schools-interdisciplinary/agriculture-life-sciences/biochemistry-biophysics/bioinformatics-computational-biology-certificate/>)