

# 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](mailto:biobiograd@tamu.edu) or 1-800-4-TAMBIO for more information.

## Faculty

Ayres, Nicola M, Principal 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

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

Dong, Juan, Professor  
Biochemistry & Biophysics  
PHD, University of California, Riverside, 2005

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

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

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

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

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

Koff, Melissa, Lecturer  
Biochemistry & Biophysics  
PHD, Texas A&M University, 2024

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

Lee, Miok, Senior Lecturer  
Biochemistry & Biophysics  
PHD, Seoul National University, Korea, 2008

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

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

Miles, Bryant W, Principal 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, Senior Lecturer  
Biochemistry & Biophysics  
PHD, Texas A&M University, 2012

Pishko, E. Jane, Senior Lecturer  
Biochemistry & Biophysics  
PHD, University of Texas, 1993

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

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

Rye, Chavela M, Instructional Professor  
Biochemistry & Biophysics  
PHD, Massachusetts Institute of Technology, 2014

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

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

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

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

Sui, Xuewu, Assistant Professor  
Biochemistry & Biophysics  
PHD, Case Western Reserve University, 2016

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

Wand, Josh, Professor  
Biochemistry & Biophysics  
PHD, University of Pennsylvania, 1984

Wehman, Ann, Assistant Professor  
Biochemistry & Biophysics  
PHD, University of California, San Francisco, 2006

Young, Ry, Senior Professor  
Biochemistry & Biophysics  
PHD, University of Texas at Dallas, 1975

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

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

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

## Doctoral

- Doctor of Philosophy in Biochemistry and Molecular Biophysics (<https://catalog.tamu.edu/graduate/colleges-schools-interdisciplinary/agriculture-life-sciences/biochemistry-biophysics/biochemistry-molecular-biophysics-phd/>)

## Certificates

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

## Masters

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