

DEPARTMENT OF BIOCHEMISTRY AND BIOPHYSICS

Curriculum in Biochemistry is administered by the Department of Biochemistry and Biophysics.

Biochemists seek to understand life at the molecular level, including the detailed structures of biological molecules and the chemical reactions in which they participate. They study the molecules of living systems of all kinds, from the simplest viruses and bacteria to higher plants and animals. In their work, biochemists use experimental tools ranging from x-ray crystallography and nuclear magnetic resonance to bioinformatics and genetic engineering. Biochemistry is a dynamic and diverse field that has become the basic discipline for the life sciences, and biochemists have made significant discoveries that relate to medicine, agriculture, and the environment.

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

Monagas-Valentin, Pedro, Lecturer
Biochemistry & Biophysics
BS, University of Puerto Rico-Mayagüez, 2020

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

Sacchettini, 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

Sivaram, Gargi, Lecturer
Biochemistry & Biophysics
BS, University of Washington, 2020

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

Minors

- Biochemistry Minor (<https://catalog.tamu.edu/undergraduate/agriculture-life-sciences/biochemistry-biophysics/biochemistry-minor/>)
- Genetics Minor (<https://catalog.tamu.edu/undergraduate/agriculture-life-sciences/biochemistry-biophysics/genetics-minor/>)

Majors

- Bachelor of Science in Biochemistry (<https://catalog.tamu.edu/undergraduate/agriculture-life-sciences/biochemistry-biophysics/biochemistry-bs/>)
- Bachelor of Science in Genetics (<https://catalog.tamu.edu/undergraduate/agriculture-life-sciences/biochemistry-biophysics/genetics-bs/>)