

# DEPARTMENT OF BIOCHEMISTRY AND BIOPHYSICS

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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, 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

Sacchetti, 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

## Majors

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

## Minors

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