

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

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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
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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
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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
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PHD, Cornell University, 2003

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/>)

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/>)