Cellular and Molecular Biology

Department Information

• Program Coordinator:
  Katie Reindl, Ph.D.

• Department Web Site:
  www.ndsu.edu/cellularmolecularbiology/ (http://www.ndsu.edu/cellularmolecularbiology/)

• Application Deadline:
  February 15 is the deadline for applicants seeking consideration of financial assistance (fellowship, assistantships) for fall semester and July 1 for spring semester.

• Credential Offered:
  Ph.D.

• Test Requirement:
  GRE required for applicants who have not earned a degree in the U.S. or any international applicants who have not earned a master’s degree.

• English Proficiency Requirements:
  TOEFL 79, IELTS 6.5, Duolingo 105

Laura Aldrich-Wolfe
Biological Sciences
Cornell University, 2006
Field: Community Ecology, Mycorrhizas, Plant-Fungal Interactions

Julia Bowsher
Biological Sciences
Duke University, 2007
Field: Evolutionary Development and Biology

Yongki Choi
Physics
City University of New York, 2010
Field: Early Detection of Cancer Cells, Single Molecule Enzymology, Biotechnology

Christopher Colbert
Chemistry and Biochemistry
Purdue University, 2000
Field: Structure Biology with a Focus on the Biochemistry of Proteins Involved in Iron Import and Utilization

Carl Dahlen
Animal Sciences
University of Minnesota, 2009
Research Interests: Beef Cattle Production

Glenn Dorsam
Microbiological Sciences
Virginia Commonwealth University, 1998
Field: Epigenetic Regulation

Kendra Greenlee
Biological Sciences
Arizona State University, 2004
Field: Developmental Physiology and Immunology

Tim Greives
Biological Sciences
Indiana University, 2009
Endocrine Regulation of Seasonality, Reproductive Neuroendocrinology, Hormones and Behavior

Ang Guo
Pharmaceutical Sciences
Chinese Academy of Sciences - 2010
Field: Cardiovascular Disease

Stuart Haring
Chemistry and Biochemistry
Texas A&M University, 2013
Field: Cellular DNA Duplication (Replication) and Mutation Prevention (Repair)

Britt Heidinger
Biological Sciences
University of Iowa, 2004
Field: Physiological Ecology

Yagna Jarajapu
Pharmaceutical Sciences
Indiana University, 2007
Field: Bone Marrow Dysfunction and Vascular Repair in Diabetes, ACE2-Angiotensin-(1-7)/Mas Receptor Pathway in Bone Marrow Cells, Regulation of Bone Marrow Mobilization by Leptin

Jiha Kim
Biological Sciences
University of Georgia, 2006
Field: Tumor Microenvironment

Estelle Leclerc
Pharmaceutical Sciences
Glasgow Caledonian University, 2002
Field: Melanoma, Pancreatic Cancer; Monoclonal Antibodies as Diagnostic and Therapeutic Agents; Mechanism of RAGE Signaling

Guodong Liu
Chemistry and Biochemistry
Hunan University, 2001
Field: Development of Nano-Bioprobes for Biosensors and Bioassays for Detection of Nucleic Acids and Proteins

Phil McClean
Plant Sciences
University of Paris Xi, 1994
Field: Dry Bean Genetics and Biotechnology

Dharmakeerthi “Keerthi” Nawarathna
Electrical and Computer Engineering
University of Houston, 2005
Field: Biomedical Engineering

Stephen O'Rourke
Pharmaceutical Sciences
University of Wisconsin-Madison, 1995
Field: Cerebral Vascular Function in Health and Disease

Birgit Pruess
Microbiological Sciences
Ruhr-Universitat Bochum, 1991
Field: Bacterial Physiology, Biofilm Biology, and Food Safety

Mohi Quadir
Coatings and Polymeric Materials
Freie University of Berlin, 2010
Field: Polymeric Materials for Drug Delivery

Sheela Ramamoorthy
Microbiological Sciences
Virginia Polytechnic Institute and State University, 2006
Field: Virology, Immunology, and Vaccinology

Jiajia Rao
Plant Sciences
University of Massachusetts-Amherst, 2013  
Field: Food Chemistry and Ingredient Technology

**Katie Reindl**  
Biological Sciences  
North Dakota State University, 2006  
Field: Cancer Cell Biology and Pharmacology

**Lawrence Reynolds**  
Animal Sciences  
Iowa State University, 1983  
Field: Nutrition and Pregnancy in Ruminants

**Kenton Rodgers**  
Chemistry and Biochemistry  
University of Iowa, 1988  
Field: Inorganic and Bioinorganic Chemistry

**Jane Schuh**  
Microbiological Sciences  
North Dakota State University, 2002  
Field: Environmental Allergic Asthma Triggered By Mold

**Sangita Sinha**  
Chemistry and Biochemistry  
Purdue University, 2000  
Field: Biochemistry and Structural Biology of Host-Pathogen Interactions

**Sarah Signor**  
Biological Sciences  
University of California-Davis, 2013  
Field: Insect Evolutionary Genomics

**Kristine Steffen**  
Pharmaceutical Sciences  
North Dakota State University, 2007  
Field: Biology of Obesity and Post-Bariatric Outcomes, Gastrointestinal Microbiome Research

**Chengwen Sun**  
Pharmaceutical Sciences  
Jilin University, 2000  
Field: Blood Pressure Regulation, Cell Signaling

**Kendall Swanson**  
Animal Sciences  
University of Kentucky, 2000  
Field: Ruminant Nutrition, Energy Metabolism, Protein Metabolism, Pancreatic Function, Beef Cattle Production

**Sathish Venkatachalem**  
Pharmaceutical Sciences  
University of Madras  
Field: Pulmonary Physiology and Pharmacology

**Danling Wang**  
Electrical and Computer Engineering  
Peking University, 2003; University Of Washington, 2014  
Field: Sensor Design, Fabrication, and Application of Early-State Human Disease Monitoring and Diagnosis

**John Wilkinson**  
Chemistry and Biochemistry  
Vanderbilt University, 2001  
Field: Cancer Cell Metabolism, Cell Death Pathways, Mitochondrial Gene Expression, Animal Models of Tumorigenesis

**Qifeng Zhang**  
Electrical and Computer Engineering
Cellular and Molecular Biology

Peking University, 2001
Field: Nanomaterials for Sensor and Biomedical Applications, Nanotechnology