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

Jialia Rao  
Plant Sciences
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
Peking University, 2001
Field: Nanomaterials for Sensor and Biomedical Applications, Nanotechnology