

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 iBT 79, IELTS 6.5, Duolingo 105

Laura Aldrich-Wolfe

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

Julia Bowsler

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

Chris 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

Jill Hamilton

Biological Sciences
University of British Columbia - 2012
Field: Plant Evolutionary Genomics

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 Tech, 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

Larry 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

Alison Ward
Animal Sciences

University of Saskatchewan, 2011

Field: Livestock Epigenetics, Nutrient-Gene Interactions, and Developmental Programming

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