Plant Pathology

Department Information

- **Department Chair:**
  Jack Rasmussen, Ph.D.
- **Department Location:**
  Walster Hall
- **Department Phone:**
  (701) 231-8362
- **Department Web Site:**
  [www.ag.ndsu.edu/plantpath/](http://www.ag.ndsu.edu/plantpath/)
- **Application Deadline:**
  International applications are due May 1 for fall semester and August 1 for spring and summer semesters. Domestic applicants should apply at least one month prior to the start of classes.
- **Credential Offered:**
  Ph.D., M.S.
- **English Proficiency Requirements:**
  TOEFL ibt 79; IELTS 6.5; Duolingo 105

Thomas Baldwin, Ph.D.
University of Georgia, 2013

Research Interests: Barley-Pathogen Interactions, RNA-Interference, Fungal Genetics, Fusarium head blight

**Luis del Rio, Ph.D.**
Iowa State University, 1999
Research Interests: Epidemiology of Plant Diseases, Chemical and Biological Control of Fungal Diseases, Management of Canola Diseases

**Malaika Ebert, Ph.D.**
Wageningen University & Research, 2018
Research Interests: Dry Bean and Pulse Crop Pathogens, Molecular Host-Microbe Interactions, Effectors, Secondary Metabolites, Proteins

**Andrew Friskop, Ph.D.**
North Dakota State University, 2013
Research Interests: Extension Plant Pathology, Chemical Control, Corn Diseases, Small Grain Diseases, IPM

**Upinder Gill, Ph.D.**
Washington State University, 2012
Research Interests: Management of rust diseases of wheat and other field crops, Genetics and genomics of host-pathogen interactions

**Mohamed Khan, Ph.D.**
Clemson University, 1998
Research Interests: Sugarbeet Management

**Janet J. Knodel, Ph.D.**
North Dakota State University, 2005
Research Interests: Extension Entomology, IPM of Field Crop Insects, Insect-Disease Surveys, Emerging Insects, Chemical Control

**Zhaohui Liu, Ph.D.**
North Dakota State University, 2006
Research interests: Molecular biology and genetics of host-pathogen interactions in wheat leaf spot diseases

**Samuel Markell, Ph.D.**
University of Arkansas, 2007
Research Interests: Extension Plant Pathology, Rust Diseases, IPM, Emerging Diseases, Chemical Control

**Steven W. Meinhardt, Ph.D.**
University of Illinois, 1984
Research Interests: Structure/Function Relationships in Enzymes and Toxins
Berlin D. Nelson, Ph.D.  
Washington State University, 1979  
Research Interests: Oilseed Diseases, Biological Control, Mycology

Jack B. Rasmussen, Ph.D.  
Michigan State University, 1987  
Research Interests: Molecular Biology and Role in Disease of Pathogen-Produced Toxins, Genetics of Resistance to Cereal Rust Diseases

Gary A. Secor, Ph.D.  
University of California-Davis, 1978  
Research Interests: Potato Diseases Management and Control, Biotechnology for Cultivar Improvement

Julie Sherman Pasche, Ph.D.  
North Dakota State University, 2012  
Research Interests: Potato disease management, fungicide efficacy and resistance management, pathogen detection and diversity

Guiping Yan, Ph.D.  
Washington State University, 2006  
Research Interests: Detection, biology and management of soybean cyst nematode and other plant-parasitic nematodes in field crops

Shaobin Zhong, Ph.D.  
North Dakota State University, 2000  
Research Interests: Fusarium Head Blight of Wheat, Fungal Biology and Genetics, Genomics and Functional Genomics of Host-Pathogen Interaction in Cereal Crops

Adjunct

Melvin Bolton, Ph.D.  
USDA/ARS  
North Dakota State University, 2006

Timothy L. Friesen, Ph.D.  
USDA/ARS  
North Dakota State University, 2001  
Research Interests: Host Parasite Interactions of Foliar Diseases of Cereals

Michael C. Edwards, Ph.D.  
USDA/ARS  
Cornell University, 1983  
Research Interests: Virology, Cereal Virus Diseases

Rubella Goswami, Ph.D.  
University of Minnesota, 2005  
Research Interests: Pathogen Interactions, Fungal Biology, Molecular Biology and Genomics

Thomas J. Gulya, Ph.D.  
USDA/ARS  
Iowa State University, 1978  
Research Interests: Downy Mildew, Rust, Phomopsis Stem Canker, Sclerotinia Wilt of Sunflower

Michael Wunsch, Ph.D.  
Cornell University, 2010  
Research Interests: Varietal Disease Resistance, Fungicide Efficacy and Timing, and Use of Cropping Systems