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

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**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: Sugar Beet 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
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

Berlin D. Nelson, Ph.D.
Washington State University, 1979
Research Interests: Oilseed Diseases, Biological Control, Mycology