

# Plant Pathology

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## 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/) (<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: 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 t

**Berlin D. Nelson, Ph.D.**

Washington State University, 1979

Research Interests: Oilseed Diseases, Biological Control, Mycology