

# Microbiology

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## Department Information

- **Department Head:**  
John McEvoy, Ph.D.
- **Graduate Coordinator:**  
Danielle Condry, Ph.D.
- **Department Location:**  
Van Es Hall
- **Department Phone:**  
(701) 231-7512
- **Department Web Site:**  
[www.ndsu.edu/microbiology/](http://www.ndsu.edu/microbiology/) (<http://www.ndsu.edu/microbiology/>)
- **Application Deadline:**  
January 15 for fall
- **Credential Offered:**  
Ph.D., M.S.
- **Test Requirement:**  
The GRE requirement is waived for the current admissions cycle.
- **English Proficiency Requirements:**  
TOEFL iBT 71, IELTS 6; Duolingo 100

### **Samat Amat, Ph.D.**

University of Calgary, 2019

Research Interests: Leveraging livestock microbiomes to improve nutrition and animal health, and reduce antimicrobial resistance.

### **Samiran Banerjee, Ph.D.**

University of Saskatchewan, 2012

Research Interests: Soil and plant microbiome, agricultural intensification, climate change

### **Danielle Condry, Ph.D.**

University of North Dakota, 2013

Research Interests: Discipline-based education research; designing authentic, inquiry curricula that includes elements of civic engagement; community engaged learning and its impacts on student success in the classroom

### **Glenn Dorsam, Ph.D.**

Virginia Commonwealth University, 1998

Research Interests: Signaling by the gut hormone Vasoactive Intestinal Peptide and its role in gut microbiome development, abnormal inflammation, and fat deposition

### **Barney Geddes, Ph.D.**

University of Manitoba, 2014

Research Interests: Using molecular genetics, functional genomics, and synthetic biology approaches to understand mechanisms of beneficial plant-microbe interactions

### **Penelope S. Gibbs, Ph.D.**

University of Georgia, 2001

Research Interests: Avian *E. coli*, bacterial molecular pathogenesis, antimicrobial resistance, food safety

### **John M. McEvoy, Ph.D.**

University of Ulster, 2002

Research Interests: *Cryptosporidium* ecology, evolution and host-parasite interactions; environmental microbiology

### **Birgit Pruess, Ph.D.**

Ruhr-Universität Bochum, 1991

Research Interests: Global gene regulation in enteric bacteria; complex regulatory networks

### **Sheela Ramamoorthy, Ph.D.**

Virginia Polytechnic Institute and State University, 2006

Research Interests: Virology and vaccinology

**Jane M. Schuh, Ph.D.**

North Dakota State University, 2000

Research Interests: Immunology; biomedical significance of the initiation and maintenance of allergic asthma; the innate immune response in health and disease; murine models of human asthma; *Aspergillus fumigatus*-induced immune response