Microbiology

Department Information

- **Department Head:**
  John McEvoy, Ph.D.
- **Graduate Coordinator:**
  Glenn Dorsam, Ph.D.
- **Department Location:**
  Van Es Hall
- **Department Phone:**
  (701) 231-7512
- **Department Web Site:**
  [www.ndsu.edu/microbiology/](http://www.ndsu.edu/microbiology/)
- **Application Deadline:**
  December 15 for fall
- **Credential Offered:**
  Ph.D., M.S.
- **Test Requirement:**
  GRE
- **English Proficiency Requirements:**
  TOEFL iBT 71, IELTS 6

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-Universitat 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