

# Chemistry

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## Department Information

- **Department Chair:**  
Gregory Cook, Ph.D.
- **Graduate Coordinator:**  
Svetlana Kilina, Ph.D.
- **Department Location:**  
Ladd Hall
- **Department Phone:**  
(701) 231-8694
- **Department Web Site:**  
[www.ndsu.edu/chemistry/](http://www.ndsu.edu/chemistry/) (<http://www.ndsu.edu/chemistry/>)
- **Application Deadline:**  
April 15 for fall, October 31 for spring. Spring admissions depend on the availability of fellowships and faculty interests. If there are no spring openings, spring applications are automatically considered for the subsequent fall semester.
- **Credential Offered:**  
Ph.D., M.S.
- **Test Requirement:**  
GRE required for applicants who have not earned a degree in the U.S. GRE (general and subject recommended for domestic applicants, but not required)
- **English Proficiency Requirements:**  
RA - TOEFL 71, IELTS 6, Duolingo 100; TA Grader - TOEFL 79, IELTS 6.5, Duolingo 110; TA Instructor - TOEFL 81, IELTS 7, Duolingo 115

### **Philip Boudjouk, Ph.D.**

University of Wisconsin, 1971  
Postdoctoral, UC Davis, 1971-1973  
Research Area: Main Group Organometallic Chemistry, Materials

### **Uwe Burghaus, Ph.D.**

Free University of Berlin, 1995  
Postdoctoral, University of Genoa, Italy, 1995-1997  
Research Area: Surface Physical Chemistry

### **Gregory R. Cook, Ph.D.**

Michigan State University, 1993  
Postdoctoral, Stanford University, 1994-1996  
Research Area: Synthetic Organic Chemistry

### **John F. Hershberger, Ph.D.**

Yale University, 1986  
Postdoctoral, Columbia University, 1986-1989  
Research Area: Experimental Physical Chemistry, Laser Kinetics

### **Dmitri Kilin, Ph.D.**

Chemnitz University of Technology, 2000  
Research Area: Computational Chemistry of Materials, Theoretical Physical Chemistry

### **Svetlana Kilina, Ph.D.**

University of Washington, Seattle 2007  
Los Alamos National Lab, 2007-2010  
Research Area: Computational Chemistry

### **Alexey Leontyev, Ph.D.**

University of Northern Colorado, 2015  
Research Area: Chemistry Education and Assessment

### **Guodong Liu, Ph.D.**

Hunan University, 2001  
Postdoctoral, New Mexico State University, 2002-2004;

Postdoctoral, Pacific Northwest National Laboratory, 2004-2006  
Research Area: Nanotechnology and Biological Sensing

**Gudrun Lukat-Rodgers, Ph.D.**

Iowa State University, 1985  
Postdoctoral: University of Iowa, 1985-1988  
Postdoctoral: Princeton University, 1989-1003  
Research Area: Bioinorganic Chemistry

**James Nyachwaya, Ph.D.**

University of Minnesota, 2012  
Research Area: Chemistry / Discipline Based Education Research

**Alexander Parent, Ph.D.**

Yale University, 2013  
Research Area: Inorganic/Organic Chemistry, Green Chemistry

**Seth C. Rasmussen, Ph.D.**

Clemson University, 1994  
Postdoctoral, University of Oregon, 1995-1999  
Research Area: Inorganic/Organic Materials Chemistry, Chemical History

**Kenton R. Rodgers, Ph.D.**

University of Iowa, 1988  
Postdoctoral, Princeton University, 1989-1993  
Research Area: Inorganic and Bioinorganic Chemistry

**Mukund P. Sibi, Ph.D.**

City University of New York, 1980  
Postdoctoral, Dartmouth College, 1980-1982; University of Waterloo, 1982-1985  
Research Area: Synthetic Organic Chemistry; Natural Products

**Wenfang Sun, Ph.D.**

Institute of Photographic Chemistry, Chinese Academy of Sciences, 1995  
Postdoctoral, University of Alabama, Birmingham, 1997-1999  
Research Area: Organic Materials Chemistry

**Zhongyu Yang, Ph.D.**

University of Pittsburgh, 2010  
Research Area: Bioanalytical chemistry; Biophysics; Electron Paramagnetic Resonance Spectroscopy

**Pinjing Zhao, Ph.D.**

Cornell University, 2003  
Postdoctoral, Yale University, 2004-2006; University of Illinois at Urbana- Champaign, 2006-2007  
Research Area: Inorganic and Organometallic Chemistry