Pharmaceutical Sciences

Department Information

- **Department Chair:**
  Jagdish Singh, Ph.D.
- **Department Location:**
  136 Sudro Hall
- **Department Phone:**
  (701) 231-7661
- **Department Web Site:**
  www.ndsu.edu/pharmacy (http://www.ndsu.edu/pharmacy/)
- **Application Deadline:**
  March 15 for fall semester and October 1 for spring semester, if positions are available.
- **Credential Offered:**
  Ph.D.
- **Test Requirement:**
  GRE (300 or more)
- **English Proficiency Requirements:**
  TOEFL ibT 90; IELTS 6.5; Duolingo 115

Natasha Fillmore, Ph.D.
University of Alberta, 2016
Postdoctoral: National Heart, Lung, and Blood Institute 2016-2021
Research Interests: Understanding the Role of Energy Metabolism in Insulin Resistance, the Role of Fatty Acid Signaling in Regulating Cardiac Hypertrophy and Function

Roberto Gomes, Ph.D.
University of Sao Paulo, 2011
Postdoctoral: Harvard University 2017-2020, Federal University of Mato Grosso do Sul 2012-2013, and University of Sao Paulo 2011
Research Interests: Enantioselective Synthesis; Development of Novel Small Molecules, Nucleotides and Antibodies; Tumor-Targeting Strategy Using Enediones Engineered With Cytotoxic Moiety/Nir Probes; Development of New NIR Fluorescent Probe-Therapeutic Agent Conjugate Triggered by the Acid pH of the Environment of the Tumor Cell for the Early Diagnosis of Pancreatic Cancer and Molecular Drug Discovery of Proteolysis Targeting Chimeric (Protac) Based Prototype.

Ang Guo, Ph.D.
Shanghai Institute for Biological Sciences, Chinese Academy of Sciences, 2010
Postdoctoral: University of Iowa 2015
Research Assistant Professor 2019
Research Interests: Cardiovascular Pharmacology and Pathophysiology

Yagna Jarajapu, M.Pharm., Ph.D.
University of Strathclyde, 1998
Glasgow Caledonian University, 2002
Postdoctoral: University of Florida and Wake Forest University 2003-2008
Research Interests: ACE2/Angiotensin-(1-7) and Bone Marrow Progenitor Cells in Diabetes

Buddhadev Layek, Ph.D.
North Dakota State University, 2014
Postdoctoral: University of Minnesota 2017
Researcher 5, University of Minnesota, 2020
Research Interests: Pharmacokinetic, Toxicokinetic, and Metabolic Profiling of Small Molecule Drug Candidates and Biologics

Estelle Leclerc, Ph.D.
University Paris XI, 1994
Postdoctoral: ETH-Zurich, 1994-1998; The Scripps Research Institute, 1998-2003
Junior Group Leader Children's Hospital Zurich, 2004
Research Assistant Professor Florida Atlantic University, 2005-2009
Research Interests: Biopharmaceutics

Elisabetta Liverani, Ph.D.
Sanku Mallik, Ph.D.
Case Western Reserve University, 1992
Postdoctoral: California Institute of Technology, 1993-95
Research Interests: Synthetic Medicinal Chemistry

Sijo Mathew, Ph.D.
Central Food Technological Research Institute, 2006
Postdoctoral: University of Tennessee, 2008; Vanderbilt University Medical Center, 2012
Research Interests: Kidney Disease, Pancreatic Cancer, Biopharmaceutics

Stephen T. O’Rourke, Ph.D.
University of Wisconsin, 1985
Postdoctoral: Mayo Clinic and Foundation, 1985-87
Research Interests: Vascular Pharmacology

Jagdish Singh, Ph.D.
Banaras Hindu University, 1982
Postdoctoral: University of Otago, 1985-88; University of California–San Francisco, 1992-94
Research Interests: Novel Dosage and Drug Delivery Systems, Biopharmaceutics

Kristine Steffen, Pharm.D., Ph.D.
North Dakota State University, 2002
North Dakota State University, 2007
Postdoctoral: Neuropsychiatric Research Institute, 2007-2009
Research Interests: Pharmacokinetics, Bariatric Surgery, Eating Disorder and Obesity Pharmacotherapy

Chengwen Sun, M.D., Ph.D.
Norman Bethune University of Medical Sciences, 1988
Norman Bethune University of Medical Sciences, 1996
Postdoctoral: Medical College of Wisconsin, 1996-2000
Research Interests: Central Blood Pressure Control and Hypertension Gene Therapy

Sathish Venkatachalem, Ph.D.
University of Madras, 2003
Postdoctoral: University of Western Ontario, 2004-2006
Research Interests: Human Lung Diseases (Asthma, Chronic Obstructive Pulmonary Disease and Pulmonary Hypertension)

Stefan Vetter, Ph.D.
Swiss Institute of Technology (ETH) Zurich, 1998
Postdoctoral: The Scripps Research Institute, 2000-2005
Research Interest: Medicinal Protein Biochemistry