

Faculty

Primary Appointments

- Joshua R. Berlin**, Prof.; Ph.D., Michigan State University, 1984. Ion transporters, Excitation-contraction coupling in heart.
- Annie V. Beuve**, Asst. Prof.; Ph.D. Pasteur Institute (France), 1992. Guanylyl cyclase signaling mechanisms.
- Madalina Condrescu**, Asst. Prof.; Ph.D., Inst. Venezolano de Invest. Cientificas (Venezuela), 1980. Sodium-Calcium exchanger and Calcium regulation.
- Walter N. Durán**, Prof.; Ph.D., Duke University, 1974. Signaling Mechanisms in Regulation of Microvascular Transport, Vascular Biology.
- Henry Edinger**, Assoc. Prof.; PhD, U. Penn 1964. J.D., NY Law School, 1981.
- Ronaldo P. Ferraris**, Assoc. Prof.; Ph.D., Hawaii, 1982. Intestinal absorption of nutrients.
- Kenneth J. Friedman**, Assoc. Prof.; Ph.D., SUNY at Stony Brook, 1970.
- Lawrence D. Gaspers**, Asst. Prof.; Ph.D., Univ. South Dakota, 1993. Calcium regulation in liver hepatocytes.
- Andrew L. Harris**, Prof.; Ph.D., Stanford, 1979. Structure-function of connexin channels.
- Richard D. Howland**, Assoc. Prof.; Ph.D., California, San Francisco, 1970.
- Nicholas A. Ingoglia**, Prof. and Assoc. Dean, Grad. School of Biomed. Sciences; Ph.D., NYU, 1969.
- Eldo Kuzhikandathil**, Asst. Prof.; Ph.D., Delaware, 1995. Dopamine receptor signal transduction.
- Joseph J. McArdle**, Prof.; Ph.D., SUNY at Buffalo, 1971. Effects of drugs on transmembrane ion currents.
- Virgil Muresan**, Assoc. Prof., Ph.D., Univ. Kansas, 1993. Vital cellular functions.
- Zoia Muresan**, Asst. Prof., Ph.D., Univ. Kansas, 1993. Amyloid precursor protein and apical junction complexes.
- Martha C. Nowycky**, Prof.; Ph.D., Yale, 1976. Calcium and TRP ion channels and exocytosis.
- Debkumar Pain**, Assoc. Prof.; Ph.D., Calcutta (India), 1982. Mitochondrial biogenesis and iron homeostasis.
- R. Daniel Peluffo**, Asst. Prof.; Ph.D., Buenos Aires, 1992. Biophysics of active electrogenic transporters.
- John P. Reeves**, Prof.; Ph.D., MIT, 1969. Sodium/calcium exchange and cellular calcium homeostasis.
- Tibor Rohacs**, Asst. Prof.; M.D., Ph.D., Semmelweis University of Medicine (Budapest), 1992, 1997, Regulation of ion channels by signaling lipids.
- Vanessa H. Routh**, Assoc. Prof.; Ph.D., Univ. of California, Davis, 1993. Neuronal glucose sensing in health, obesity & diabetes.
- Janine Santos**, Asst. Prof.; Ph.D., Pontificia Universidade Catolica do Rio Grande do Sul - UFRGS (Brazil), 1999. Mitochondria physiology.
- Roman Shirokov**, Asst. Prof.; Ph.D., Bogomoletz Inst. Physiol. (Kiev, Ukraine)/MPhTI, (Moscow, Russia), 1989. Voltage-gated Ca²⁺ channels.

Natalia Shirokova, Asst. Prof.; Ph.D., Bogomoletz Inst. Physiol. (Kiev, Ukraine)/MPhTI, (Moscow, Russia) 1991. Subcellular calcium signaling.

Zhentao Song, Instructor, Ph.D., Institute of Molecular Biology, The University of Hong Kong (PR China), 2000. Glucosensing neurons in euglycemia, hypoglycemia & HAAF.

Marguerite A. Stout, Assoc. Prof.; Ph.D., Univ. of Iowa, 1974. Calcium regulation in vascular smooth muscle.

Lester G. Sultatos, Assoc. Prof.; Ph.D., Penn State, 1980. Toxicology of pesticides.

Andrew P. Thomas, Prof. and Chair; Ph.D., Bristol (England), 1981. Calcium-dependent signal transduction.

Joint Appointments

Abraham Aviv, Prof.; M.D., SUNY Upstate Medical Center, 1972. Mechanisms of essential hypertension.

Jeffrey P. Gardner, Asst. Prof.; Ph.D., Cincinnati, 1984. Mechanisms of hypertension.

Robert W. Hobson II, Prof.; M.D., George Washington, 1963. Ischemia-reperfusion injury.

Roger W. Howell, Prof.; Ph.D., Massachusetts Amherst, 1987. Effects of radioactivity.

Nicholas Illsley, Prof.; D. Phil. Oxford, U.K. 1977. Placental glucose transporters in fetal growth.

Robert Leeden, Prof.; PhD, Oregon State, 1953. Neurochemistry; function of myelin & glycolipids in the brain.

Barry E. Levin, Prof.; M.D., Emory, 1967. Neural control of weight and energy balance.

Peter J. Pappas, Prof.; M.D., Robert Wood Johnson Medical School, 1987. Venous insufficiency.

Hreday N. Sapru, Prof.; Ph.D., Columbia University, NY, 1974. Central control of cardiovascular function.

Rita M. Turkall, Assoc. Prof.; Ph.D., Ohio State, 1979. Phagocytic cells in inflammation.

Thomas Visalli, Adj. Instructor, Ph.D., UMDNJ-NJMS, 2005. Toxicology. Hoffmann-LaRoche.

Jiang Ye, Assoc. Professor, MD., Ph.D., Sun Yat-Sen University of Medical Sciences, Guangzhou, China, 1969, 1973. Drugs of abuse on ionotropic receptors.

Adjunct Faculty including outside Institutions

Mohamed S. Abdel -Rahman, Prof.; Ph.D., Ohio State, 1979.

Joseph Arena, Adj. Asst. Prof.; Ph.D., Assoc. Dir., Merck & Company, Worldwide Regulatory Liaison Dept.

Edward J. Flynn, Assoc. Prof.; Ph.D., NYU, 1971.

Jane Johnston-Tezapsidis, Adj. Instructor, Ph.D., Consultant, Johnson and Johnson.

Gregory Kaczorowski, Adj. Prof.; Ph.D., Senior Director, Merck Research Laboratories, Dept. Membrane Biochemistry and Biophysics.

Samina Kanwar, Adj. Asst. Prof., Ph.D., Program Manager, Merck Research Laboratories.

David Kim, Adj. Asst. Prof.; Ph.D., NJIT, Newark, 1991; OMD, Mercy College, Dobbs Ferry, 1999; Acupuncture and Oriental Medicine, Microcirculation.

Sathapana Kongsamut, Adj. Asst. Prof., Aventis Pharmaceuticals Inc., Head of CNS Molecular and Cellular Pharmacology, and UMDNJ, Adjunct Assistant Professor, Dept. of Pharmacology and Physiology.

Ramez Labib, Adj. Instructor, Ph.D., Avon Products, Inc., Senior Toxicologist.

Jerome Lasker, Adj. Asst. Prof.; Ph.D., Hackensack University Medical Center, Inst. for Biomedical Research.
Liver and Kidney P450 Enzymes.

Bozena Michniak, Adj. Assoc. Prof.; Ph.D., Dept. of Pharmaceutics, Ernest Mario School of Pharmacy, Director,
Laboratory for Drug Delivery, Rutgers - The State University of New Jersey, Biochemical pharmacology.

Mary Mycek, Adj. Professor; Ph.D., Yale University, 1955. Biochemical Pharmacology.

Gina Pastino, Adj. Asst. Prof; Ph.D., Senior Scientist, Schering-Plough Research Institute, Department of Drug
Metabolism and Pharmacokinetics.

Arthur B. Ritter, Adj. Assoc. Prof.; Ph.D., Rochester, 1971. Fluid flow in cardiovascular system.

Eva Ryden, Adj. Asst. Prof., DVM, Ph.D., UMDNJ - NJMS, Comparative Medicine Resources.

Stanley Von Hagen, Adj. Asst. Prof.; Ph.D., Vanderbilt, 1967. Pharmacokinetics.