Summer Research Program
in Pharmaceutical Sciences
in the Department of Pharmaceutical Sciences,
College of Pharmacy, University of Nebraska Medical Center, Omaha, NE

The University of Nebraska Medical Center is now accepting applications for Undergraduate Summer Research program in the Department of Pharmaceutical Sciences. Interested applicants must have completed two to three years of college, with an emphasis in chemistry, biology, or engineering and have at least one year remaining for the completion of their degree. Applicants interested in pursuing career opportunities in the pharmaceutical sciences are encouraged to apply. Candidates should send a letter of interest, a copy of their transcript, a resume and two letters of reference on or before March 31st to:

Summer Research Fellowships
c/o Chair, Pharmaceutical Sciences Graduate Program
Department of Pharmaceutical Sciences
986025 Nebraska Medical Center
Omaha, NE 68198-6025
E-mail: psgp@unmc.edu
Phone (402) 559-5320, Fax (402) 559-9543
Please apply online at: http://app1.unmc.edu/summerresearch/researchapp.cfm

The successful applicants will receive a stipend of $3,000. This is a full time, 10 week, research fellowship. Research activities will be directed by a faculty member of the Department of Pharmaceutical Sciences. For more information on the research activities of this department, visit our web site.

Faculty

Elena Batrakova, Ph.D.: Block copolymers for inhibition of drug efflux transporters in cancer, oral and CNS drug delivery.

Tatiana Bronich, Ph.D.: Polyelectrolyte and polymer surfactant complexes and their use in drug delivery.

Yuxiang Dong, Ph.D.: Design and synthesis of bioactive organic peroxides; mechanisms and applications of ozonation

Peter R. Gwilt, Ph.D.: Pharmacokinetics and pharmacodynamics of anticancer drugs.

Alexander V. Kabanov, Ph.D., Dr. Sc.: Nanomedicine and supramolecular polymeric complexes for drug and gene delivery.

Peter F. Kador, Ph.D.: Treatment of diabetic complications, retinopathy and cataracts; design and synthesis of enzyme inhibitors; development of animal models for diabetic and ophthalmic complications.

Uday B. Kompella, Ph.D.: Ocular and respiratory drug and gene delivery; supercritical fluid technology for nano- and microparticles; diabetes and cancer therapeutics.

Vinod Labhasetwar, Ph.D.: Nanotechnology for drug and gene delivery in cancer, cardiovascular diseases and central nervous system disorders; magnetic nanoparticles for biomedical applications.

Yuri Lyubchenko, Ph.D.: Nanobiology; nanomedicine; nanoimaging; DNA structure, dynamics, and function; protein folding-misfolding and neurodegenerative disorders.

Luis A. Marky, Ph.D.: Energetics and hydration contributions of nucleic acid conformation and interactions. Microcalorimetry, UV and CD spectroscopies, density and acoustical techniques.

Donald W. Miller, Ph.D.: Cellular mechanisms of drug transport; biological factors influencing blood-brain barrier permeability.

Dennis H. Robinson, Ph.D.: Biodegradable microspheres and nanospheres and tumor targeting.

Jonathan L. Vennerstrom, Ph.D.: Antimalarial drug design and synthesis; redox modulation of drug toxicity.

Joseph Vetro, Ph.D.: Targeted gene and siRNA delivery to tumor vasculature

Sergei Vinogradov, Ph.D.: Polymer complexes for gene therapy.

Dong Wang, Ph.D.: Novel water-soluble polymers; biomedical imaging; drug delivery for musculoskeletal diseases.

Deadline for receipt of application is March 31st of the year