

James K. Drennen, III, Ph.D.  
Division Head of Pharmaceutical Sciences  
Associate Professor of Pharmaceutics

411 Mellon Hall  
(412) 396-5520  
fax (412) 396-4660  
drennen@duq.edu

Educational Background  
B.S. (Pharmacy)--Duquesne University  
Ph.D.(Pharmaceutics)--University of Kentucky

#### Research Program

His research is focused on the development and validation of near-infrared spectroscopic methods and equipment for nondestructive analysis of pharmaceuticals. Current projects include the development of methods for monitoring mixing of powders and semisolids and the coating of tablets and granules. Research support is obtained primarily from industrial sponsors, providing opportunities for students to participate in industrial projects.

Graduate students are usually supported through fellowships or as research assistants. Teaching assistantships may be available through the Graduate School of Pharmaceutical Sciences. Opportunities for research experience are available for undergraduates in pharmacy or chemistry.

A wide variety of near-infrared instrumentation is available in the laboratory for graduate research. Results of the work carried out in Dr. Drennen's laboratory are routinely presented at the Pittsburgh Conference, annual meetings of the American Association of Pharmaceutical Scientists, the biannual International Diffuse Reflectance Conference (Chambersburg, PA) and the Eastern Analytical Symposium (Somerset, NJ).