

SECTION I:
*School of Pharmacy Offices
and Departments*

Administrative Offices

Office of the Dean

The Office of the Dean consists of the Dean's Office and three sub-offices - the Office of Professional Education, the Office of Academic and Student Programs, and the Office of Development and Corporate Relations.

| Personnel: | Phone | E-mail |
|----------------------------------------------------------|--------------|---------------|
| Thomas A. Baillie, Dean | 543-2030 | tbaillie |
| Rodney Ho, Associate Dean, Research and New Initiatives | 543-9434 | rodneymo |
| Gail Viscione, Administrator | 543-5002 | viscione |
| Flip Wood, Assistant to the Dean | 543-5050 | flipwood |
| Steve Parsons, Senior Computer Specialist | 616-8615 | swp |
| Ariana Ghasedi, Manager of Pharmacy Certificate Programs | 685-4450 | arianag |

The Dean's Office is located in room H-364 of the Health Sciences Building. Students wishing to meet with the Dean should contact Flip Wood, Assistant to the Dean, for an appointment.

Office of Professional Education

| Personnel: | Phone | E-mail |
|------------------------------------------------------------------|--------------|---------------|
| Stanley S. Weber, Associate Dean | 616-8762 | weberst |
| Terri O'Sullivan, Director of Experiential Education | 543-3324 | terrio |
| Jennifer Danielson, Associate Director of Experiential Education | 543-1924 | jendan |
| Karan Dawson, Director of Continuous Professional Development | 543-1030 | kdawson |
| Mary Neyhart, Program Coordinator | 685-8738 | mneyhart |

The Office of Professional Education coordinates the School's professional experience programs (practicums), organizes Career Day activities, provides service to over 450 practitioner clinical and affiliate faculty members, and advises the Dean on issues relating to professional practice. Students having questions regarding practicum requirements or wanting to learn more about specific practice sites should contact Mary Neyhart in room H-364 or make an appointment with Experiential Education Director, Terri O'Sullivan in room H-362D. Associate Dean Stan Weber invites students to visit him in room H-364A to discuss ideas about the curriculum, practicums, or your career in pharmacy.

Office of Academic and Student Programs

| Personnel: | Phone | E-mail |
|---------------------------------------------------------------------|--------------|---------------|
| Nanci Murphy, Associate Dean | 543-2056 | murphyna |
| Micki Kedzierski, Assoc. Dir. of Counseling Svcs., Admissions Chair | 616-2729 | kedzm |
| Kathy Hamilton, Director of Student Services | 543-5818 | kmhamil |
| Cher Espina-Nguyen, Advisor – Academic Programs and Student Svcs. | 616-2916 | cherelyn |
| Vanessa Barone, Program Coordinator | 543-6100 | pharminf |

Located in room H-362 of the Health Sciences Building, the Office of Academic and Student Programs is responsible for student services, advising, coordination of the School's curriculum, and conducting PharmD Program admissions. Services offered to students include the following:

| | |
|---------------------------------------|--------------------------------------------------------------------------------------------|
| Orientation to the School of Pharmacy | Internship and licensure applications (available online) |
| Program advising | Information on career opportunities(also provided by the Office of Professional Education) |
| Registration advising and entry codes | Information on student programs and activities |
| Tutoring services | Information and assistance with graduation applications |
| Monitoring student academic progress | Financial aid information |
| Academic counseling | Information on University support services |

Office hours are 8:00-5:00, Monday-Friday, excluding national holidays. Students are always welcome to stop by for assistance. Student academic files are located in this office and may be reviewed with an advisor anytime during normal business hours.

Office of Development and Corporate Relations (ODCR)

| Personnel: | Phone | E-mail |
|--------------------------------------------------------------------|--------------|---------------|
| Claire Forster, Director of Development | 616-3217 | clbrown |
| Maria Tran, Assistant Director of Development and Alumni Relations | 221-2465 | mgonz |
| Melinda Young, Assistant Director of Communications | 543-3485 | myoung6 |
| Mariely Lemagne, Development and Events Coordinator | 616-7613 | mlemagne |

What is Development?

The Office of Development and Corporate Relations (ODCR) is dedicated to advancing the mission of the School of Pharmacy by building and strengthening relationships with alumni, friends, businesses, industry, faculty, staff and students. The Development group raises private support for the School by linking people and their resources with the UWSOP. The philanthropic interest of individuals, corporations and foundations, as well as their investment in the School's work to extend and improve life through pharmaceutical care, has been a key element in the School's continued excellence and leadership in education and research.

The Development staff work closely with alumni, faculty and friends of the School to generate private support for a broad range of purposes, including scholarships, professorships and research. We also coordinate with pharmacy students on activities such as class and student giving and a mentor program. ODCR provides students with valuable information and resources including opportunities to network with pharmacy professionals and to volunteer alongside friends and alumni of the School on projects that impact our community.

Our Focus

The primary focus of the Office of Development is to build relationships that lead to long-term financial support and commitment to the School through:

- ❖ Enhancing relationships that engage individuals, corporations, foundations and organizations with the School in ways that leads to financial gifts and volunteer resources for the School
- ❖ Sharing information about the impact of the School of Pharmacy's work to key stakeholder audiences
- ❖ Integrating friends and donors to the School in volunteer and advocacy roles, boards and activities.

Your support as a current student and as a future alumni is critical to the work that we do to support students, faculty and the School of Pharmacy. If you ever have any questions, please do not hesitate to call Maria Tran.

Pharmacy Alumni Association (PAA)

| Personnel: | Phone | E-mail |
|--------------------------------------------------------------------|--------------|---------------|
| Maria Tran, Assistant Director of Development and Alumni Relations | 221-2465 | rxalumni |

What is the PAA?

PAA stands for the Pharmacy Alumni Association, an association for graduates of the University of Washington School of Pharmacy. This association is independent of the UWAA (UW campus wide alumni association) and serves solely to support School of Pharmacy graduates.

What does the PAA do?

The purpose of the PAA is to establish and promote lasting, supportive relationships among students, alumni, the School and the community. The PAA endeavors to promote life-long learning of alumni, to act as a resource and community center for ongoing alumni needs and interests, to encourage activities that help recognize individuals and organizations that provide meritorious service to the School, and to promote and support students and programs of the School of Pharmacy. It offers professional and personal relationship development among the 3,500 alumni of the School through the *Dawg Scripts* newsletter, and events such as class reunions, Homecoming, Thank-a-thon and the Katterman Lecture.

PAA encourages students to become involved with the organization early on. Every year, PAA invites 1-2 student representatives from each class to join the alumni, faculty and staff serving on its Board of Directors. Student representatives act as a bridge between current classes and alumni, and provide valuable insight and communication on PAA activities directly related to student life to include:

- ❖ Networking opportunities between students and alumni
- ❖ Thank-a-thon (supporting student scholarships)
- ❖ Mentor opportunities
- ❖ Graduation class party support
- ❖ Border to Border Relay for cancer research support
- ❖ Alumni Professional Excellence Award (presented at graduation)

For more information on the PAA and how to become involved as a student or recent graduate please contact Maria Tran at 221-2465 or rxalumni@u.washington.edu and visit our site at <http://depts.washington.edu/rxalumni/> PAA welcomes you to the Husky family of pharmacists!

Departments of the School

Medicinal Chemistry (206) 543-2224

Department website: <http://depts.washington.edu/medchem/>

Allan Rettie, Ph.D., Chair

William Atkins, Ph.D., Graduate Program Coordinator

Department of Medicinal Chemistry Faculty Roster: <http://depts.washington.edu/medchem/faculty.html>

The Department of Medicinal Chemistry seeks to provide an understanding of the biological effects of drugs at the molecular level. Topics addressed in the professional program through courses offered by the Department include fundamental concepts of medicinal chemistry, principles of physical organic chemistry and reaction mechanisms relevant to drug specificity and metabolism. In addition, practically all of the important classes of medicinal agents are covered from the perspectives of biological activity, mechanisms of action, biotransformation, and the chemical and physical properties that govern absorption, distribution and excretion. Faculty also participate in teaching students about alternative and complementary medicine with emphasis on those chemical constituents that contribute to efficacy, toxicity and herbal/drug interactions. To facilitate student preparation for the medicinal chemistry courses, a qualifying exam, developed by Medicinal Chemistry faculty, is administered to entering students prior to entering the program. Students who do not pass this exam are required to take MEDCH 400, Fundamental Concepts in Medicinal Chemistry Autumn Quarter of the first professional year.

Research activities of department faculty include studies on various aspects of drug metabolism, mechanisms of drug action and toxicity, the metabolic consequences of phenotypic and genotypic diversity in the population, biophysical aspects of metabolic enzyme systems, drug-drug and drug-gene interactions, protein engineering, biomedical mass spectrometry, and molecular modeling of peptides and proteins (<http://depts.washington.edu/medchem/>).

Department faculty offices and laboratories are located on floors -1 and 1 of the H-Wing in the Health Sciences Center.

Medicinal Chemistry Graduate Program

The Department of Medicinal Chemistry offers a program of graduate study leading primarily to the degree of Doctor of Philosophy. Occasionally students complete the M.S. degree. The faculty in Medicinal Chemistry offer diverse opportunities for study and research at the interface between chemistry and biology. There is an emphasis on the chemical and molecular aspects of drug action and drug metabolism that includes both laboratory experimentation and computational work. In addition to specialized training acquired during their medicinal chemistry thesis work, graduates acquire a broad foundation in biochemistry, pharmacology and molecular biology which is important in the rapidly evolving, multidisciplinary biomedical arena.

Students who intend to work toward the Doctor of Philosophy degree must apply for admission to the Graduate School. Graduate study requires approval of the Graduate School and the Department of Medicinal Chemistry. Students with degrees in pharmacy or in the biological or physical sciences may be accepted for graduate study in medicinal chemistry. Students who plan to pursue graduate study may expedite their programs by selection of pertinent electives. Although the choice of electives varies with the student's ultimate goals, graduate study in medicinal chemistry requires adequate preparation in mathematics and in the biological and physical sciences. Participation in a cumulative examination process and at least two quarters of teaching experience are additional requirements for the doctoral program. Satisfactory completion of cumulative examination

requirements is necessary for the Ph.D. degree. Graduate students must satisfy the requirements for an advanced degree in force at the time the degree is to be awarded.

Financial support in the form of research assistantships and fellowships may be available to students in good standing throughout their graduate careers. Availability of financial support varies from year to year, and prospective applicants should contact the graduate program coordinator for additional information.

Pharmaceutics (206) 543-9434

Department website: <http://depts.washington.edu/pceut/>

Kenneth E. Thummel, Ph.D., Chair

Department of Pharmaceutics Faculty Roster:

http://depts.washington.edu/pceut/faculty_research/faculty_list.html

Pharmaceutics refers to the study of the relationship between drug dosage forms and clinical response. The curriculum for the PharmD program includes required courses addressing three main subjects: physiochemical aspects of dosage forms; biopharmaceutics (performance of drug delivery systems); and clinical pharmacokinetics (the kinetics of drug absorption, distribution, and elimination). In addition, the Department offers elective courses addressing such topics as drug interactions and pharmaceutical biotechnology.

The research program of the department includes seven NIH-funded laboratories addressing a variety of fundamental and clinical problems pertaining to drug transport, metabolism, and toxicity associated with several diseases (AIDS, cystic fibrosis, leukemia, epilepsy, pain management, transplantation) and the development of vaccines. Most projects involve collaborative arrangements with investigators from other departments in the University or at the Fred Hutchinson Cancer Research Center. The collaborative relationship of Pharmaceutics faculty with colleagues in the Department of Medicinal Chemistry in the field of drug metabolism has received worldwide recognition.

Numerous research activities are available to students: they may register for course credit or inquire as to the availability of positions paid on an hourly basis. Summer assistantships are sometimes available as well. Department Faculty offices and laboratories are located on the second floor of the H-Wing in the Health Sciences Center.

Pharmaceutics Graduate Program

The Department of Pharmaceutics offers programs of graduate study leading to the degrees of Master of Science and Doctor of Philosophy. The program provides research training in the fundamental aspects of drug disposition, drug delivery, and drug action in animals and man. Drug disposition includes the phenomena of absorption, distribution, and elimination. Pharmacokinetics is the study of time course of these processes and the time course of pharmacological effects. Drug delivery includes targeting of drugs to tissues or specific cells to improve therapeutic effect. These areas of research have a wide range of applications, particularly in the pharmacological characterization of new drug molecules in pharmaceutical development. Graduates of this program possess expertise in a variety of analytical techniques and the elaboration of mathematical models to describe drug disposition and pharmacological processes.

During the first two years of study, students take courses in medicinal chemistry, pharmacology, physiology, biochemistry, mathematics, computer science, biostatistics, and pharmacokinetics.

Research activities of Department faculty have been described above. Thesis research can involve experimental animal work, in vitro studies, clinical investigation, or a combination of approaches. Graduate students are given the opportunity to participate in interdisciplinary research, which provides an added dimension to their training.

A wide range of career paths is available to graduates of this program. Opportunities include research in the pharmaceutical industry, research in hospitals, institutes, and foundations; teaching and research in academic institutions; and positions with government regulatory agencies.

Students with degrees in pharmacy, chemistry, or in the biological sciences may be accepted for graduate study in pharmaceuticals. Students who plan to pursue graduate study may expedite their programs by selection of pertinent electives.

All students in the program receive financial support in the form of research assistantships, Public Health Service pre-doctoral training fellowships and other fellowships such as the William E. Bradley Graduate Fellowship, those from the American Foundation for Pharmaceutical Education and from pharmaceutical companies.

Pharmacy (206) 543-6788

Department website: <http://depts.washington.edu/pharma/>

Danny D. Shen, Ph.D., Chair

Department of Pharmacy Faculty Roster: <http://depts.washington.edu/pharma/Faculty.htm>

The mission of the Department of Pharmacy is to prepare pharmacists to provide optimal pharmaceutical care, and to prepare graduate and postgraduate students for leadership in research, scholarship and practice. The Department faculty is actively engaged in generating and disseminating knowledge to assure the safe, effective, and cost-efficient use of medications. Our academic programs are designed to produce highly qualified and contributing health care practitioner; they include instruction in clinical sciences, pharmaceutical care systems, and professional aspects of pharmacy practice. In addition to classroom and laboratory instruction, students gain academic credit in clinical settings with students from the schools of Medicine, Dentistry, Nursing, Social Work, and Public Health.

Department faculty perform research in a variety of areas, including clinical trials of new drugs, clinical pharmacokinetics in special patient populations (e.g. pregnant women, young children, solid organ and hematological stem cell transplant patients, bariatric surgical patients), drug-drug or herb-drug interactions, delivery of pharmaceutical care, and evaluation of costs and health benefits of pharmaceuticals, medical devices and expanded professional services. Studies are underway on medication use in several major chronic diseases, such as pulmonary disorders, mental illness, diabetes, obesity, cardiovascular diseases, and cancer. Faculty members also study the safety and cost-effectiveness of drugs and financing of pharmaceutical care. These research activities are regularly supported by grants and contracts from the private sector and governmental agencies.

The Department is also involved in efforts to improve the present level of pharmacy practice. Activities in this area include providing continuing professional education, dissemination of information concerning advances or innovations in pharmacy, and development of public or community education programs to inform the public of the services available from pharmacists.

Department faculty offices are located on the third floor of the H-Wing in the Health Sciences building. Faculty members also conduct teaching, research, and service programs at affiliated institutions, including University of Washington Medical Center, Harborview Medical Center, Seattle Cancer Care Alliance, Fred Hutchinson Cancer Research Center, Children's Hospital and Medical Center, Group Health Cooperative of Puget Sound, Veterans Affairs Puget Sound Health Care System, and Regence BlueShield of Washington. In addition, teaching and research programs are conducted at the Hearthstone Retirement Center, International District Clinic, and many other community hospitals and pharmacies across the Puget Sound. Over 350 clinical and affiliate faculty also participate as preceptors and hold appointments in the Department. Certificate programs are available in several specialty areas, namely the Plein Certificate in Geriatric Pharmacy Practice, the Pharmacy Management Certificate, the Teaching Certificate in Pharmacy Education, and the Biomedical Regulatory Affairs Series.

The Bracken Pharmaceutical Care Learning Center

Health Sciences Building Room T482-4

The Bracken Pharmaceutical Care Learning Center (PCLC) provides an optimal environment for students and practitioners to learn the technical and clinical skills needed for patient-focused care. The PCLC consists of four distinct learning areas: a sterile products room, a patient assessment room, a conference room, and the main learning center. The major portion of the facility includes: video and telecommunications equipment; a nonprescription product and durable medical equipment area; a large-group teaching area; an automated dispensing area; compounding workspace; storage for clinical teaching materials and drug information references; and, six work stations designed for up to four people each that are equipped with networked computer terminals, compounding equipment, prescription processing materials, drug information references and storage. Students spend time during the first and third years of the curriculum in the PCLC for laboratories in compounding, introduction to pharmacy practice, advanced communications, and therapeutics and physical assessment. Additionally, the PCLC is used for health fairs and open houses, courses in the School's external PharmD program, and by pharmacy practitioners for skills development programs and special projects.

Pharmacy Graduate Program

The Department of Pharmacy offers graduate study leading to a Ph.D. degree in Pharmaceutical Outcomes Research & Policy. The emphasis of this program is in the health and cost outcomes of pharmaceuticals and pharmaceutical services and policies. Graduate training in this program prepares students for career opportunities in teaching and research in universities, safety and economic evaluation of products in the pharmaceutical industry, policy analysis of governmental agencies, and drug use management within health care delivery and financing organizations.

Also offered is the track-in PharmD/M.S. Program in Pharmaceutical Outcomes Research & Policy. This program provides the opportunity for 1-2 students currently completing their PharmD training at the University of Washington to enter the Graduate Program in their 4th year of training. The program requires completion of 64 credit hours, a written thesis and a quarter of practicum in a managed care, government, industry or other appropriate setting. At the end of this training, students may elect to receive a Master's degree, or continue on towards a Ph.D. degree.

The deadline for application for both programs is January 15. Applicants will be notified of acceptance or rejection by March 30. Application materials and additional information are available from Dr. Sean Sullivan, Dr. Thomas Hazlet, or Penny Evans in the Department of Pharmacy. You may also visit the website for the program at: <http://depts.washington.edu/porpp/gradpage.htm>.

Residency and Fellowship Programs

The Department of Pharmacy offers several postdoctoral fellowships in pharmacotherapeutics and pharmaceutical outcomes, and advanced institutional and community residency programs, primarily intended for PharmD graduates. Additional information is available from Penny Evans in the Department of Pharmacy, as well as on the department's web site: <http://depts.washington.edu/pharma/>.

Clinical and Affiliate Faculty

In addition to the School of Pharmacy's full and part-time faculty listed above, a large number of practicing pharmacists contribute to the School's academic programs. Over 500 pharmacists throughout the Pacific Northwest are members of our clinical and affiliate faculty, representing a variety of pharmacy practice settings such as community, hospital, nursing home, government and industry. Information on the names, addresses and practice settings of these faculty members can be obtained from the Office of Professional Education (H-362-D Health Sciences Building, 685-8738)