

# THE UNIVERSITY OF MISSISSIPPI • SCHOOL OF PHARMACY



## Our Mission

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The mission of the School of Pharmacy is to be internationally recognized for leadership and innovation in education, research, the delivery of patient centered care, and professional service. We will be pacesetters in student-centered education, and we will continuously assess and refine our curricula to ensure excellence and currency. We will conduct world-class research and serve as a vital resource to research scientists and health care practitioners. We will contribute to enhanced clinical, economic, and humanistic outcomes through advancement of leading-edge medication management and patient care. Through all our missions we will work to stimulate the economy of Mississippi.

## Research Institute of Pharmaceutical Sciences

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The Research Institute of Pharmaceutical Sciences (RIPS) encompasses two major divisions (The National Center for Natural Products Research [NCNPR] and The Center for Pharmaceutical Marketing and Management [CPMM]). The mission of the NCNPR is to discover, develop, and commercialize natural product-derived pharmaceuticals and agrochemicals to benefit human health and agricultural productivity. The CPMM promotes efficiency and effectiveness in the marketing and management of pharmaceutical products and services in all segments of the industry. RIPS, by partnering with Mississippi industries to enhance the competitiveness of those industries and by attracting new companies to Mississippi, contributes to the economic development of the state.

## Educational Programs

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- B.S. in Pharmaceutical Sciences (B.S.P.S.)
- Doctor of Pharmacy (Pharm.D.)
- The pre-professional (pre-pharmacy) program requires a minimum of three years of study, and the professional program consists of four academic years. After completion of the initial year of professional course work, students receive the B.S.P.S. degree. The Doctor of Pharmacy degree is awarded following completion of three additional years of professional courses. Pre-pharmacy courses may be taken at any accredited 2-year or 4-year higher education institution. The entry/admission process for the professional program can occur either after completion of high school (Early Entry/Early Assurance) or traditionally after completion of the pre-pharmacy program (Regular Entry). The initial two years of professional courses are taken on the Oxford campus; the third professional year occurs at the University of Mississippi Medical Center campus. The fourth year consists of a series of advanced practice experiences obtained primarily in Mississippi.

- M.S. in Pharmaceutical Sciences with emphases in Environmental Toxicology, Medicinal Chemistry, Pharmaceutics, Pharmacognosy, Pharmacology, and Pharmacy Administration
- Ph.D. in Pharmaceutical Sciences with emphases in Environmental Toxicology, Medicinal Chemistry, Pharmacognosy, Pharmacology, Pharmaceutics, and Pharmacy Administration

## Research Programs

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The faculty of the School of Pharmacy maintain active, funded research programs in a variety of biomedical, social administrative, and clinical sciences. Faculty compete for funding from a variety of sources including the National Institutes of Health, other federal agencies, foundations, and the pharmaceutical industry. The research expertise of faculty covers a spectrum of disciplines including pharmaceutics; medicinal chemistry; pharmacology; toxicology; environmental toxicology; molecular biology; clinical, economic, and humanistic outcomes; pharmaceutical marketing and management; safety, efficacy, and cost-effectiveness of therapeutic agents and treatment approaches; and pharmacy education. Examples of research topics include, but are not limited to, the following:

- Pharmaceutical marketing and management
- Adoption and effectiveness of disease management models in health care
- Innovative educational methods and strategies in pharmacy
- Development of novel drug delivery systems
- Development and testing of new anti-malarials and drugs for emerging infectious diseases
- Pharmacogenomics as applicable to drug design
- Natural products discovery, development, and pharmaceutical applications in the treatment of infectious diseases, inflammation, cancer, and immune disorders

- Authenticity/quality, standardization, and efficacy of botanical dietary supplements
- Potential for adverse effects in wildlife, especially fish, due to exposure to pollutants
- Neurodegenerative disorders and processes and molecular neuropharmacology

## Service and Outreach Programs

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The School of Pharmacy provides service to citizens and health care professionals through a variety of service and outreach programs. These include provision of:

- Pharmaceutical care at the UM Student Health Center Pharmacy, and various other ambulatory, inpatient, and managed care sites
- Drug information to health care professionals
- Continuing education for pharmacists and other professionals through the activities of the Division of Pharmacy Professional Development
- Scientific, management, and leadership expertise to pharmaceutical industries, other academic institutions, community pharmacies, clinics, and medical centers
- Leadership to local, state, and national professional/scientific organizations

## Faculty

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The School of Pharmacy has 182 faculty members (109 regular, 73 adjunct), plus more than 250 preceptors that teach at more than 150 sites.

## Students

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The applicant pool for admission to the professional pharmacy program is strong. Local, national, and international candidates comprise the applicant pool. Preference is given to United States citizens who are residents of Mississippi and to students who have taken their pre-pharmacy course work at the University of Mississippi. The school seeks to admit approximately 115 students to the professional pharmacy program annually.

## 2010-11 Enrollment

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|     |                       |
|-----|-----------------------|
| 465 | Professional students |
| 228 | Pre-pharmacy students |
| 17  | M.S. students         |
| 79  | Ph.D. students        |
| 2   | Residents             |

## The Challenge Ahead

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Over the next five years, the School of Pharmacy must raise significant funds from non-state appropriated sources in order to deliver the quality of education and service programs and to conduct the quality of research to which it is committed. The first capital campaign for the School of Pharmacy is now in its final phase. Through the capital campaign, private, corporate, and government, support will enable the school to construct a new pharmacy building at the University of Mississippi Medical Center to support the needs of students and faculty. In addition, funds must be raised to increase endowments to support student and faculty needs. Funds raised through the annual fund, including the phonathon, support:

**Student Aid and Scholarships** – Attract increasing numbers of excellent and diverse students by providing additional scholarships and fellowships

**Teaching, Learning, and Research Support** – Strengthen academic programs and enhance teaching, learning, and research opportunities for students and faculty

**Special Opportunities** – Obtain unrestricted gifts to be used by the dean of the school for unique education, service, or research opportunities

## Administration

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Barbara G. Wells, Pharm.D.  
Dean

Marvin C. Wilson, Ph.D.  
Associate Dean for Academic and Student Affairs

Leigh Ann Ross, Pharm.D.  
Associate Dean for Clinical Affairs

Charles D. Hufford, Ph.D.  
Associate Dean for Research and Graduate Programs

Benjamin F. Banahan, Ph.D.  
Director of the Center for Pharmaceutical Marketing and Management

Larry A. Walker, Ph.D.  
Director of the National Center for Natural Products Research

## For Additional Information Contact

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