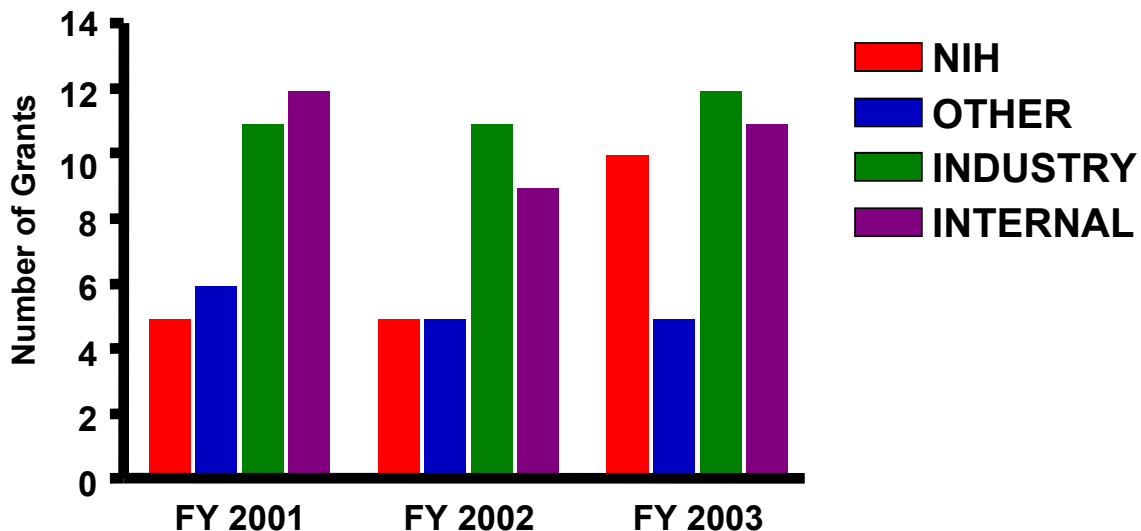


SOP OFFICE OF RESEARCH NEW INITIATIVES PROMOTE BASIC & APPLIED INVESTIGATOR-INITIATED RESEARCH

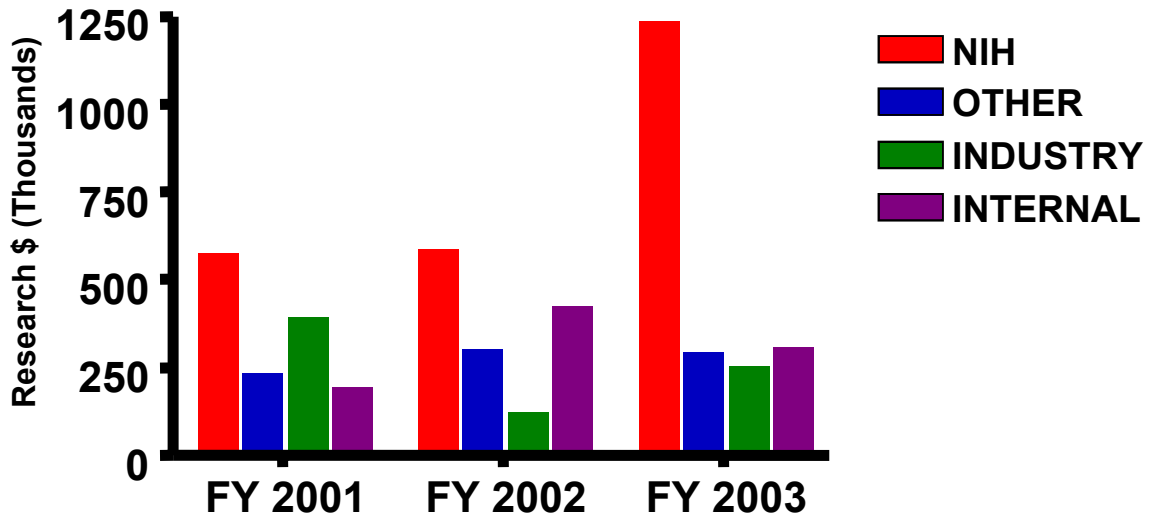
The Office of Research, in cooperation with the Research Advisory Committee, presented the information below during the poster presentation portion of the "Lighting the Path to Preeminence Event" in Lubbock, on April 17, 2004.

The School of Pharmacy at TTUHSC in Amarillo opened its doors to admit the first Professional Doctor of Pharmacy students in 1996 and Pharmaceutical Sciences graduate students in 1999 with a distinct goal in mind: provide Pharm.D. and Ph.D. candidates with the necessary skills required for direct patient care and applied investigative research, respectively. Graduates of the program depart with specific problem-solving skills necessary to adapt to the ever-changing environment in the health care system. To achieve this educational goal, the School has recruited faculty with diverse basic science and clinical practice backgrounds, who are equally interested in innovative teaching and research. The multidisciplinary faculty of the School has backgrounds and research interests in areas of cancer biology, cerebrovascular biology, cardiovascular biology, neurobiology, receptor biology, immunology and biotechnology, microbiology, drug discovery and formulation, and healthcare outcomes. To promote and facilitate faculty research, the School created the Office of the Associate Dean for Research and a research advisory committee. Currently the school has three major initiatives to assist faculty with their investigator-initiated research: annual Research Day, seed grants for young investigators, and equipment grants.

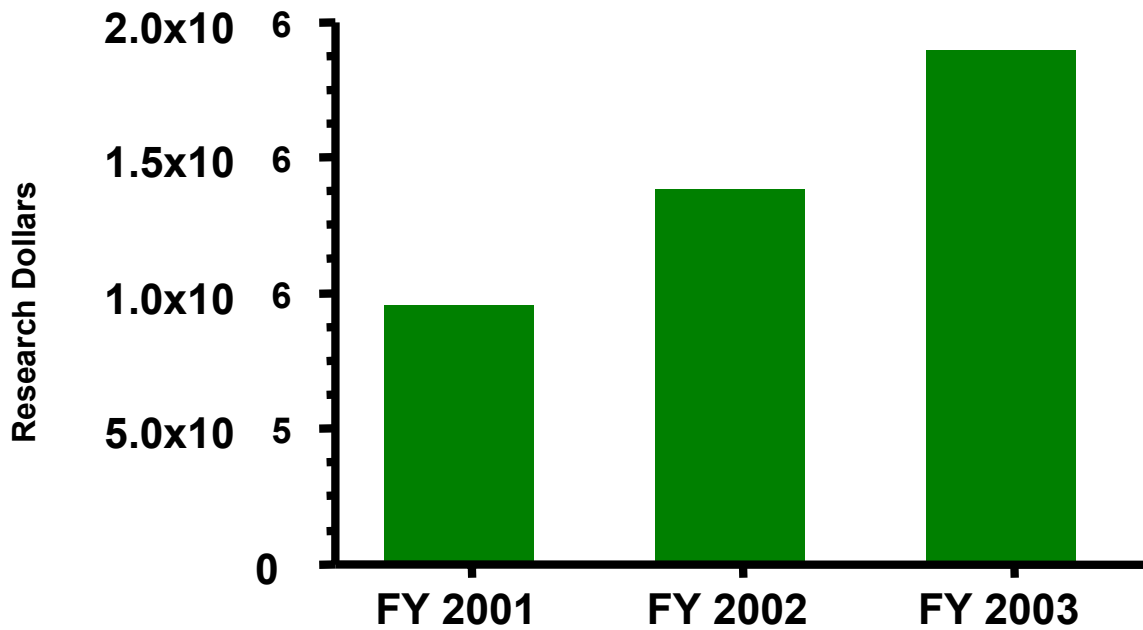
Total Number of Grants Received by the SOP



Funding Received by SOP Researchers



Total SOP Research Expenditure



Research Days

Research Days is an interdisciplinary forum designed to showcase the research activities of the School over the past year. It provides an opportunity for faculty, postdoctoral fellows, and students to exchange research ideas and interests to stimulate interdisciplinary collaborations between departments.

Each year, the scientific program for Research Days consists of over 60 poster presentations, oral summaries of selected abstracts during podium presentations, informal and formal group discussions, and a seminar presentation by a keynote speaker. Graduate students, residents, postdoctoral research associates, and faculty from both departments are recognized each year for their outstanding original research posters.

Since the beginning of the Research Days program, School of Pharmacy researchers have progressed to a higher level of study, as evidenced by increased collaborations among researchers, additional extramural grants received, increased level of funding received, and total research expenditures (see graphs below). The event has also increased awareness within the School of specific areas of research and opportunities for future study.

SOP Focused Areas of Research

•Alzheimer's Disease	•Drug Formulation & Delivery	•Neurotoxicology
•Ambulatory Care	•Drug Metabolism	•Pain Management
•Antibiotic Resistance	•Gene Transcription	•Pediatric Pharmacology
•Anticoagulants	•Geriatric Pharmacy	•Pediatric Pharmacy
•Blood Brain Barrier Physiology	•Healthcare Outcome	•Pharmacokinetics
•Cancer Biology	•Infectious Disease	•Pharmacotherapy
•Cardiovascular Pharmacology	•Immunology/Biotechnology	• Pharmacy Education
•Chemotherapy	•Multiple Sclerosis	• Receptor Signaling
•Diabetes	•Nanotechnology	• Rural Pharmacy
•Drug Delivery to Brain	•Neurobiology	•Stroke

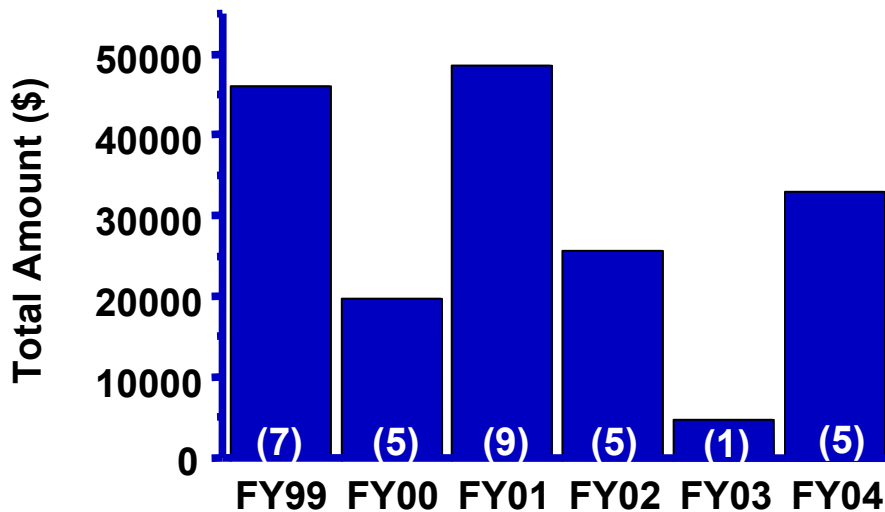
Seed Grant Program for Young Investigators

The aim of the Seed Grant Program for Young Investigators is to provide a modest level of funding for faculty to initiate research programs and obtain preliminary data. By participating in the program, faculty will gain experience in grant writing, project design, and project execution. It is anticipated that data obtained from these "seed" grants will be presented at scientific and professional meetings to aid in the scientific development of the faculty.

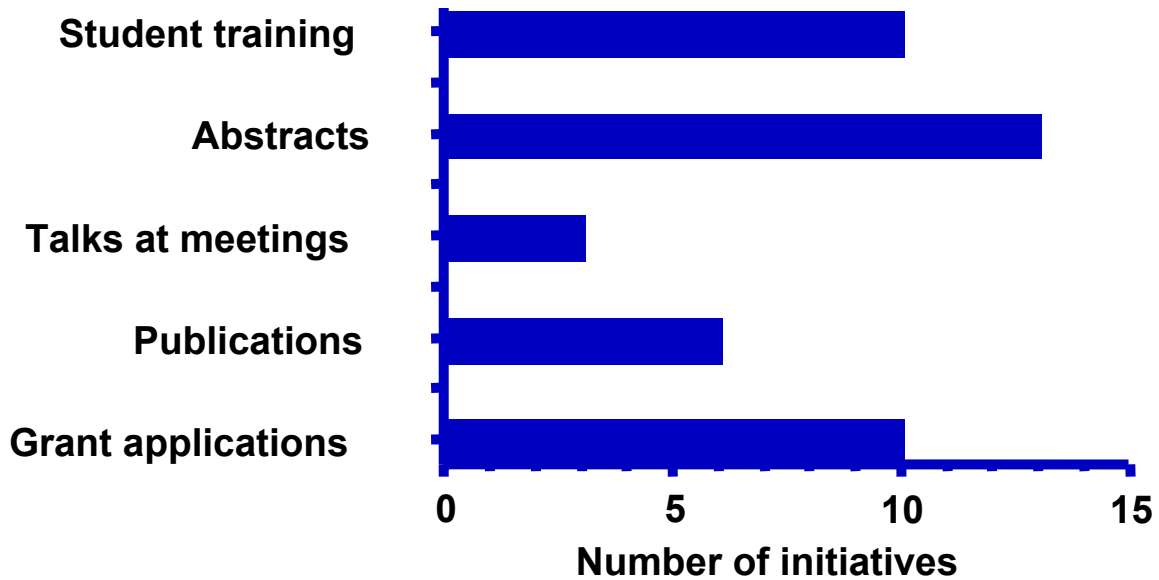
Applicants must be full time faculty members and must not have funding in excess of \$ 25,000 at the time of application. Priority is given to Assistant Professors without existing funding. Grants are typically \$5,000-10,000. Applicants submit their projects, along with budgets, and full research plans to the Office of Research. Grants are administered by the Office of Research with input from the Research Advisory Committee, which is responsible for discussing and ranking incoming applications. Available funding varies each year; however, every effort is made to support as many quality projects as possible.

Since the beginning of the Seed Grant Program, young investigators have greatly enhanced their research. Collaborations between researchers are more common, and seed grant recipients have actively represented the School of Pharmacy through presentations and publications (see charts below).

Seed Grants: Total Expenditures (numbers in brackets indicate number of successful applications)



Outcomes of Seed Grant Funding



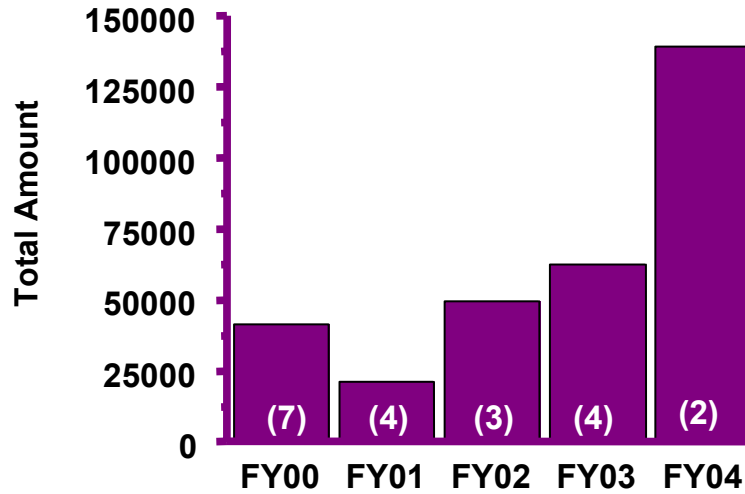
Equipment Grant Program

The Equipment Grant Program provides faculty with the opportunity to secure funding for the purchase of capital equipment. This funding allows for the purchase of major equipment that would not have otherwise been obtainable through extramural grants.

Faculty interested in purchasing capital equipment can apply for an equipment grant. Priority is given to well-founded applications, which are preferably supported by several faculty members from both departments. Chances for funding are also improved if matching funds are available, if the equipment enhances the probability of obtaining extramural funding, and if long-term benefits of the purchase can be expected. This yearly program requires applicants to submit justification of the need and expected benefit of the desired equipment. The Research Advisory Committee considers all applications and awards as many grants as possible, within the confines of varying levels of funding each fiscal year.

Since the beginning of the Equipment Grant Program, researchers have been able to purchase equipment they would not have otherwise been able to acquire, which enhanced their opportunities for research and encouraged them to represent the School through publications and presentations to the scientific community outside of TTUHSC (see graphs below).

Equipment Grants: Total Expenditures (numbers in brackets indicate number of successful applications)



Outcome Measures for Equipment Grants

