COLLEGE OF PHARMACY

BUT FOR OHIO STATE
As we look to the future and the roles for The Ohio State University College of Pharmacy, the importance of pharmacy and pharmaceutical sciences to the world’s health is clear, and the significance of our institution in that equation is boundless. Through teaching, research, and outreach, we are impacting lives around the globe.

Located within one of the most comprehensive academic health sciences centers in the country, the College of Pharmacy provides an interdisciplinary education and experience that is unmatched, while allowing the latest research to go from bench to bedside at one institution—Ohio State. In the past year two drugs discovered and developed in part by pharmacy faculty have gone to clinical trials right here on campus.

Our faculty, students, and staff are having a positive impact on Ohioans through various outreach initiatives. The Generation Rx Initiative educates communities and empowers them to know more about their health. Our work with community clinics ensures that Ohio’s low income families and those without health insurance have access to essential medications.

But for Ohio State and the generous support of alumni and friends, the College of Pharmacy would be unable to educate the next generation of pharmacy and pharmaceutical research professionals. I invite you to join our efforts through a gift to the But for Ohio State campaign. Your investment in the college will ensure the tradition of excellence that has been a part of our culture for over 125 years.

Robert W. Brueggemeier, PhD
Dean and Professor
College of Pharmacy
THE MISSION OF THE COLLEGE OF PHARMACY IS TO ADVANCE pharmaceutical care for the people of Ohio and the global community through teaching, research, and service. Our top-tier programs at the undergraduate, graduate, professional, and postdoctoral levels fulfill these key areas, while producing top recruits in all areas of pharmacy research and practice. Additional programs such as combined degrees, residency programs, and research fellowships ensure students at all levels have a fulfilling and rewarding education, while preparing them to become leaders in their field.

Our students receive a patient-centered education that prepares them for pharmacy and pharmaceutical sciences careers in a competitive job market. They develop the problem-solving and critical-thinking skills that turn great students into accomplished alumni.

According to U.S. News & World Report’s “America’s Best Graduate Schools,” the college ranks 7th among the more than 124 colleges of pharmacy in the U.S. for Doctor of Pharmacy programs and is the top college of pharmacy in Ohio. The college consistently is awarded research grants and contracts from the National Institutes of Health (NIH), the National Science Foundation (NSF), the Department of Defense breast and prostate cancer programs, and other federal and state agencies and foundations.
What does Ohio State mean to new drug discovery?

CHING-SHIH CHEN, PHD, BELIEVES THAT CANCER WILL BE A MANAGEABLE DISEASE someday, rather than the second most common cause of death in the United States. “Someday people will die with cancer, not from cancer.”

Professor Chen is the Lucius A. Wing Chair of Cancer Research and Therapy and Professor of Medicinal Chemistry, Internal Medicine, and Urology in the Ohio State College of Pharmacy. He has led his lab in the discovery of two cancer-fighting agents that are currently in clinical trial. He credits this achievement to the collaborative relationship between the college and The Ohio State University Comprehensive Cancer Center (OSUCCC). “This is very challenging work,” he says. “Without the support from the leadership and my colleagues, it’s beyond what a lab can accomplish alone.”

This collaboration allows newly discovered drugs to go from bench to clinic. Basic scientists work with oncologists and hematologists to discover and test cancer-fighting and cancer-preventing agents—an approach, Professor Chen says, that puts patients first. “The clinicians and I share the same passion: How do we help patients?”

While for-profit pharmaceutical companies are reducing efforts in basic drug discovery research, Professor Chen believes it’s time for academic institutions to fill the void. “We don’t consider the importance of our product in financial terms. Our consideration is helping a patient get well. We pursue science for the benefit of others.”
What does Ohio State mean to medication safety?

EVERY DAY, APPROXIMATELY 7,000 AMERICANS ABUSE A PRESCRIPTION medication for the first time and 100 people die from drug overdoses. College of Pharmacy Assistant Dean Kenneth Hale, RPh, PhD, noticed these rising statistics in 2007 and created the Generation R\textsuperscript{X} Initiative, an outreach program that has mobilized over 300 students, faculty, staff, and alumni with peer-directed projects.

Professor Hale and his co-leader Professor Nicole Kwiek, clinical assistant professor of pharmacology and assistant director of educational outreach, say they help guide their student volunteers, but mostly let them decide how to get the message out. “Students are among our most creative, passionate, and effective advocates for prescription drug abuse prevention,” according to Professor Kwiek.

College of Pharmacy graduate Caleb Craft is one of these volunteers. He directed and produced a documentary chronicling the consequences of prescription drug abuse in his hometown of Ironton, Ohio. He says, “I have friends who are in prison, sick, or alienated from their families because of their prescription drug abuse.”

Medina Rasul, an Ohio State freshman, has been involved with Generation R\textsuperscript{X} since she was in high school. “I want to combine my interest in pharmacy with my passion for counseling young people.” Medina has developed toolkits to coach kids in her high school.

Educational materials are available for free on the web sites for the Generation R\textsuperscript{X} Initiative and the Cardinal Health Foundation, the program’s corporate partner.
What does Ohio State mean to its graduates?

FIRST-GENERATION COLLEGE GRADUATE
VICTORIA TKACZ BROWN, PHARMD,
describes her experience at Ohio State as “life-changing.” Attending Ohio State—first as an undergraduate in the Bachelor of Science in Pharmaceutical Sciences program, then as a Doctor of Pharmacy student—was the beginning of Victoria’s journey toward her dream career. “I wanted to be a pharmacist for as long as I can remember,” she says.

The scholarship support she received was one of the deciding factors when Victoria chose Ohio State. She also knew that the College of Pharmacy would challenge her and prepare her for the real world. “I learned to become a leader for the advancement of pharmacy practice, a patient-care advocate, and met my best friends in the process.”

Now, Victoria is thrilled to embark on her dream job. As an oncology clinical specialist for Johns Hopkins, she serves recently discharged patients with hematologic malignancies who are learning to participate in their own care for the first time.

Eventually, Victoria hopes to create opportunities for student pharmacists and residents to join her team. Staying connected to academia and helping the students who are tomorrow’s pharmacists is meaningful to her. “Neither of my parents had the opportunity to attend college,” she says. “Words do not do justice to the enormous gratitude I have for the donors who made my education possible. I could never pay them back, but I will pay forward.”
WHILE WE ARE PROUD OF OUR PRESTIGIOUS RANKINGS AND REPUTATION, OUR dedication to teaching, research, and service has earned us these accolades. The college offers students rewarding and beneficial experiences while furthering research in drug discovery and the health of people everywhere.

The college collaborates across campus, universities, and the world. Our faculty work with other departments, such as The Ohio State University Wexner Medical Center and the College of Medicine, and many of our programs offer a collaborative learning opportunity for our students in other health sciences colleges.

Beyond campus, faculty and students work with community organizations to provide services such as immunizations, blood pressure screening, and medication therapy management.

The college’s outreach efforts make tremendous and compounding impact. The Generation Rx Initiative enhances communities’ understanding of medication safety issues and empowers them to prevent prescription drug abuse. As innovative endeavors like this succeed locally, the college then implements these programs nationally and internationally. Initially a local program, the Generation Rx Initiative is expanding its efforts across the country.

Our world is becoming more connected and we are embracing the opportunity. The college engages in faculty exchanges, student exchanges, and international collaborations. Students and faculty have participated in trips to Toronto, London, and Nicaragua, and the college has official agreements with universities in Taiwan for research, teaching, and practice-related collaborations. We are committed to taking our best local practice models abroad to serve the needs of communities around the world.
PLACE STUDENTS FIRST
$6,000,000
The College of Pharmacy is seeking $6,000,000 to fund scholarships and educational endeavors that will attract the highest caliber of students, while giving each individual a unique and rewarding experience that will prepare him/her for a career.

At the undergraduate level, additional funding will allow several students each year to participate in a summer research opportunity, as well as provide top-of-the-line lab supplies. For the professional programs, scholarships made available by additional funding will allow students to make the most of their patient-centered, evidence-based curriculum, including our combined degree programs. At the graduate and postdoctoral levels, additional funding will attract research students who are fully engaged in our educational and research enterprises.

Scholarship dollars also ensure that the college can continue its commitment to recruiting a diverse student body. College of Pharmacy alumnus, the late Dr. Roy Darlington, was the first African American in the country to earn a MS and a PhD in the pharmaceutical sciences. We honor his legacy by striving to provide vital scholarships and aid to students from all backgrounds who are dedicated to the pursuit of a pharmaceutical sciences degree.

Funding for college-wide programs such as the Distinguished Lecture Series and travel-abroad programs would provide all students an extended knowledge that they can carry with them after graduation.

ELEVATE FACULTY AND THE ACADEMIC ENTERPRISE
$5,500,000
The College of Pharmacy is seeking to raise $5,500,000 to support faculty and programs. Faculty support will include one endowed chair and three professorships. Through the establishment of endowed professorships and chairs, we will further develop our highly diverse talent and create a high performance culture driven by common principles of excellence in accountability and achievement. These funds will also support the Dean’s Faculty Innovation Fund to provide flexibility and maximize the college’s readiness to invest in new initiatives.

CREATE MODERN LEARNING ENVIRONMENTS
$1,500,000
With the ever-changing face of education and research, it is vital our learning environment evolve with it. The college seeks $1,500,000 to enhance our learning space and the technology housed in Parks Hall and the Riffe Building.

These funds will enhance classroom and teaching spaces; modernize laboratory space, including the pharmacy practice lab that is an integral part of the doctor of pharmacy curriculum; update the student lounge in Parks Hall; upgrade technology to benefit faculty and students on campus and others taking advantage of long-distance learning through partnering universities, both nationally and globally.
EMBOLDEN THE RESEARCH AGENDA
$6,000,000
The college seeks $6,000,000 to fund research efforts and programs. These funds will support the college’s planned Institute for Drug Discovery and Innovation and its work on early-phase drug development and translational research that takes discoveries from the bench to the bedside. Funds will also support the college’s Institute of Therapeutic Innovations and Outcomes, which focuses on translational and clinical research that enhances patient care and health outcomes. Additional funding will also support the college’s Research Day, an annual event showcasing the research work of faculty, students, and alumni.

DRIVE HIGH-IMPACT INNOVATION
$1,000,000
Partnerships are vital in moving forward with current research. The college seeks $1,000,000 to fund collaborations, as well as outreach and engagement activities. These funds will help the college effectively translate our teaching, research, and scholarship into improved health outcomes for the people of Ohio and beyond.

For example, the innovation funds will support our residency programs in hospital and ambulatory settings, which continue to build on their strong legacy of producing highly sought after leaders in hospital and community pharmacies.

Additionally, faculty and students develop and are engaged in new models of practice to increase the value of the pharmacist in the community. They serve as a resource for medication safety and wellness counseling. Through innovation and discovery the College of Pharmacy is creating the foundation for the future of health and wellness.

CAMPAIGN PRIORITIES
- Place Students First.......................................................... $6,000,000
- Elevate Faculty and the Academic Enterprise ........ $5,500,000
- Create Modern Learning Environments .............. $1,500,000
- Embolden the Research Agenda ......................... $6,000,000
- Drive High-Impact Innovation................................. $1,000,000

Total.............................................................. $20,000,000

“BUT FOR OHIO STATE, I WOULD NOT HAVE HAD THE EXPERIENCES, OPPORTUNITIES, AND DOORS OPENED THAT LED ME TO MY CAREER TODAY.”
—Jerome Pierson, RPh, BS 1980, PhD 1997
Chief, Regulatory Compliance and Human Subjects Protection Branch,
National Institutes of Health/National Institute of Allergy and Infectious Diseases
IN THE FIELD OF PHARMACY, ACADEMIA PLAYS A VITAL ROLE IN TEACHING, research, and outreach. It is this combination of objectives that create caring and engaged graduates who move the pharmacy practice and industry forward. It is this combination that allows interdisciplinary research to be extremely successful. However, as foundations and government agencies are forced to reduce their support, it becomes even more vital to have the support of the entire community. We invite you to be a part of the change that will make The Ohio State University College of Pharmacy the preeminent institution in the education of pharmacists and researchers, and the model of interdisciplinary collaborations.
WILL WE FIND CURES FOR THE WORLD’S DEVASTATING DISEASES?  |  IS THERE A WAY TO MAKE OUR FOOD SUPPLY ABUNDANT AND SAFE?  |  CAN WE PRODUCE THE NEXT GENERATION OF SUSTAINABLE ENERGY?

THE EXTRAORDINARY PEOPLE AT THE OHIO STATE UNIVERSITY BELIEVE THE ANSWERS to these and other monumental questions will ultimately be “yes.” But for Ohio State’s immense breadth and depth of academic programs, outstanding students, world-class scholars, and extensive research capabilities, some of today’s most brilliant interdisciplinary teams would not be closer than ever to finding meaningful solutions for people in Ohio and far, far beyond.

Instead, because of the talent, intellect, and ambition at Ohio State, one of the most comprehensive universities in the nation, significant progress is possible on nearly every front. Founded because Abraham Lincoln believed education could lead the nation out of its darkest days, Ohio State now provides a powerful platform, unparalleled in scope and opportunity, from which leaders emerge and change the world.

The But for Ohio State campaign is a $2.5 billion fundraising endeavor that invites those who believe in Ohio State to invest in our students, our faculty, and our potential. By supporting Ohio’s land-grant institution, alumni, friends, parents, and partners can help us secure educational opportunities for future generations of students and meet the enormous challenges we face as a society. Together, we will sustain an enduring tradition of scholarship, service, and pride.

But for Ohio State … How would you answer? What does Ohio State mean to you?
What does it mean to you?

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