

MAKING MEDICINES WORK
FOR PEOPLE



VALUES

Integrity guides our daily work.

We foster:

Passion, commitment, and diligence;

Creativity and personal growth;

Collaboration and teamwork;

A culture of respect for the individual.



“A man of humanity is one who, in seeking to establish himself, finds a foothold for others and who, desiring attainment for himself, helps others to attain.” —Confucius

Dear Friends,

Thank you to each of the two thousand members of the School of Pharmacy’s extended family who have given generously of their financial resources, time, and skills. Your gifts power our students and faculty to new heights of attainment, all the while they are guided by the compass of our mission of excellence, innovation, and leadership as well as our values. Through this booklet, I share with you a sampling of vignettes of how achievement connects with our values.

In addition to direct support, your gifts also provide our students and faculty with the knowledge that someone believes in their ability to make a difference. Yes, you are indeed people of humanity.

With sincere appreciation,

A handwritten signature in black ink that reads "Patricia Kroboth".

Patricia D. Kroboth, Dean
University of Pittsburgh School of Pharmacy
2010



“I love the profession of pharmacy and the challenge of retailing in competitive environments. I wake up every morning knowing there is a way to do things better, to find the edge.”

—Anthony Civello, BS '67
Chairman, President, and CEO, Kerr Drug, Inc.

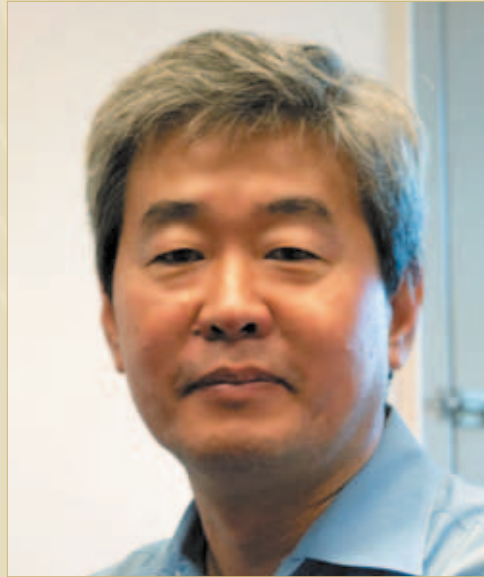
“This field is going to continue to have more impact on health care, and I know Pitt alumni will be there making the difference.”

—Charles Blackburn, BS '63
Owner, Blackburn's Physicians Pharmacy

*“I learn something new every day.
Every day there are new chemicals, new scenarios.
There's always a new twist to an old problem,
and that's what keeps me excited about doing this.”*

—Edward Krenzelok, PharmD
Director, Pittsburgh Poison Center and Drug Information Center

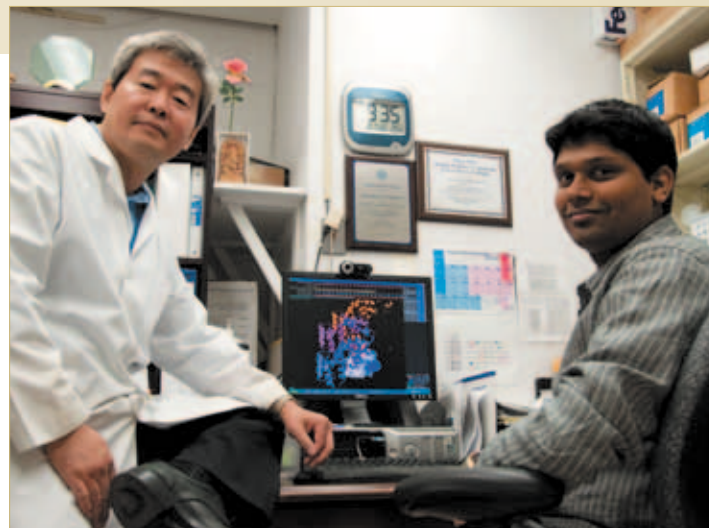
WE FOSTER PASSION, COMMITMENT, AND DILIGENCE



YONG TAE KWON, PHD

As a biomedical scientist, I believe that I have a privileged responsibility to conduct meaningful research to improve health for the six billion people on the planet who do not do research.

The people in my laboratory study how cell functions are controlled. Our focus is the ubiquitin n-end rule pathway that regulates protein degradation. We have defined the physiological pathways affected by the ubiquitin system using seven different gene knockout mice mutants of the n-end rule pathway. As a result, we have found important roles for the n-end rule pathway in fat metabolism, cardiovascular development, spermatogenesis, neurogenesis, and DNA repair.



Our work can lead to a better understanding of disease and help us identify new drug targets. We have identified, for the first time, several important protein substrates for the ubiquitin system and are designing heterovalent inhibitors of n-end rule degradation. Inhibition of this degradation can prevent cardiac hypertrophic responses to stress in cardiomyocytes. This may pave the way for new drugs to treat cardiovascular disease.



ALEXA RAY, PHARMD CANDIDATE 2011

My experiences with Latino patients enriched me so much that I wanted to share them with other students. I worked with a faculty member to create an experiential rotation in Puerto Rico. With other students, I developed a medical Spanish course for pharmacy students. I am 'paying it forward' to ensure that students who come after me will continue to have these opportunities.



Several other students and I observed that fewer than expected students participated in our Latino community service projects. We, as part of the School's International Pharmaceutical Students' Federation chapter, believed this was due to a lack of Spanish language skills and lack of confidence in communicating. Our solution was to create our own medical Spanish not-for-credit course with weekly one-hour classes held on Friday afternoons.



Our course was completely student-designed and student-led. Fifty students enrolled in the course, which was taught by volunteers. In the second year of our course, we put course podcasts on iTunes U for students. Students were able to practice their new Spanish language skills at St. Regis Church, at the Birmingham Latino clinic, and during the annual Latino Health Fair. We are proud of our results. Students gained the knowledge to deliver culturally competent care and the confidence to communicate with Spanish-speaking patients. We are working with the School's Curriculum Committee to include the course as part of the PharmD curriculum.



BRIAN POTOSKI, PHARM.D

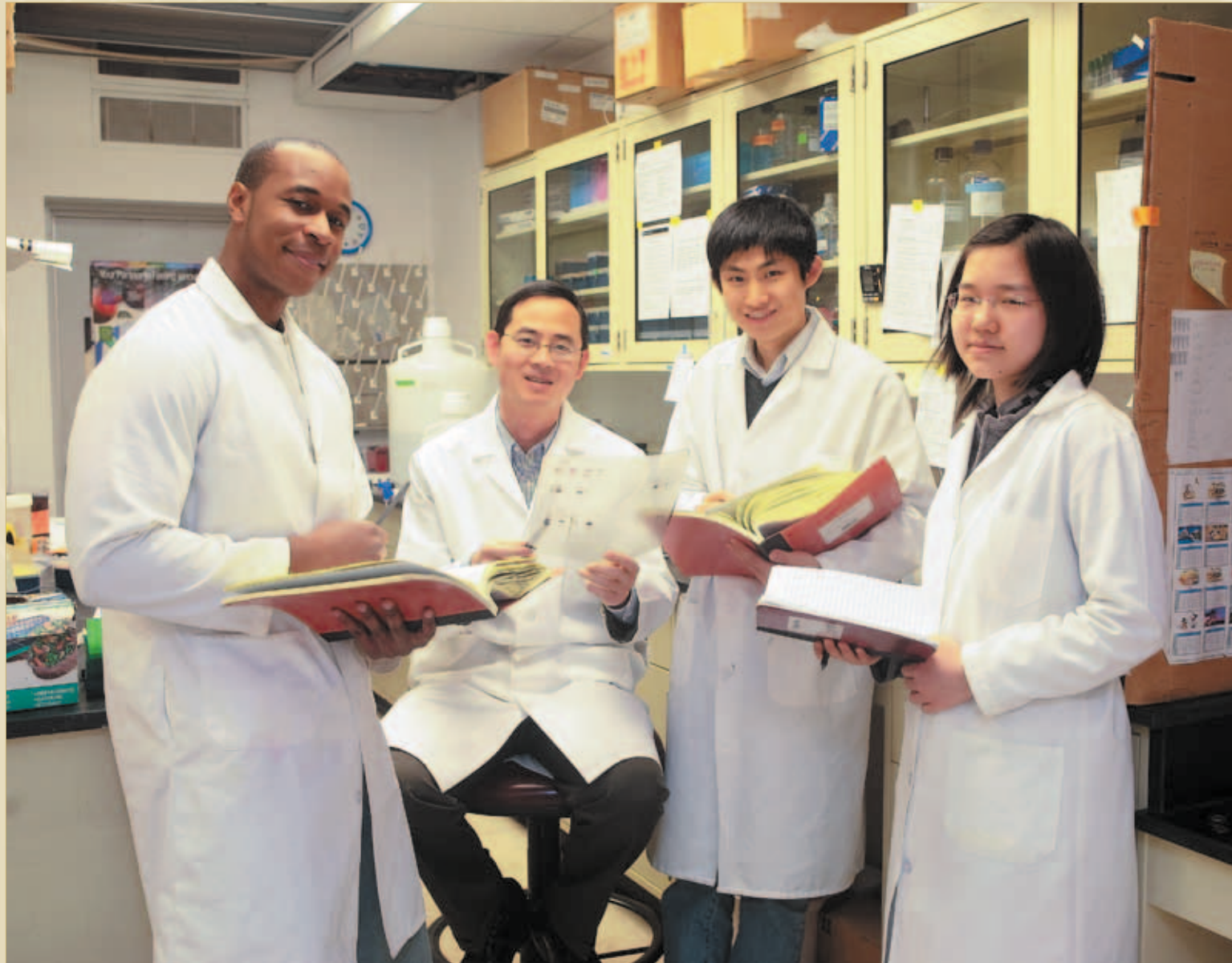
Defeating the pathogens is what it is all about.



Treating infection differs from most therapies because the pathogen, not a human cell or cellular component, is the drug target. Our Antibiotic Management Team is focused on defeating pathogens and assures that patients get the best therapy for a successful treatment. Our efforts have helped reduce costs, improve patient outcomes, and control the incidence of nosocomial infections.



I developed a pharmacy student summer internship program that allows students to participate in the practice and to conduct a clinical investigation. The infectious disease pharmacy residency program is becoming nationally recognized for graduates who have a foundation in research and who can develop and lead an antibiotic stewardship program. Six specialty residents have completed the program, and all are practicing antibiotic stewardship. Research improves patient care. Three applications of our research are using laboratory-based dosing recommendations, combination therapy for pan-drug resistant acinetobacter, and tailoring therapy for fungal infections in transplant patients.



*“ You need to be able to take calculated, well-thought-out risks
in order to make an impact in your research. ”*

—Samuel Poloyac, BS '93, PharmD, PhD
Associate Professor, University of Pittsburgh School of Pharmacy

*“ Pitt offered me so many great opportunities and such a
wonderful education. I'm always thankful that I chose Pitt.
I can't imagine my life if I hadn't. ”*

—James Mastrian, BS '65
CEO, Mastrian Associates LLC

*“ That's the beauty of pharmacy.
We're capable of doing different things. ”*

—Stephanie Spence, PharmD '07
Clinical Pharmacy Specialist, Prosperity Specialty Pharmacy

WE FOSTER CREATIVITY AND PERSONAL GROWTH



AMY SEYBERT, PHARMD

Students are always amazed and energized when they get hands-on experience caring for complicated patients through the human patient simulator. When students make drug and dose decisions and see the result with the patient simulator, they remember the experience and the pharmacology. They “get it.” I am proud to be empowering students to become great clinicians.



High-fidelity human patient simulation offers the unique opportunity for our students, residents, and other learners to experience real-life patient scenarios in a safe environment. This learning strategy has opened doors for students’ clinical performance, which has gone above and beyond expectations.



A faculty colleague and I developed a blended course in which students watch videos to prepare for class. Class time is used to manage medication therapy for the human patient simulator. The simulators respond to the medications the students administer, giving students real-time feedback. Drug effects can be very dramatic—even fatal—for some intravenous medications that affect cardiac function. Each year, we develop new simulator applications to teach physical assessments and the use of additional drugs. We leverage the simulator to illustrate concepts in courses, including biochemistry and other basic courses.



LISA CENCIA ROHAN, PHD

HIV is annihilating a generation of women in some parts of the world. More than half of the newly infected patients are women, and most are teenage girls. It is my hope that by developing safe, effective, and acceptable HIV prevention products for women, we will save lives.



My team and I are dedicated to identifying criteria for drug delivery systems designed specifically for preventing sexual transmission of HIV/AIDS. To that end, we also develop film, gel, and other systems for delivering microbicides in clinical trials worldwide. I am proud to serve as co-director for the Comparative Assessment Core of the Central Laboratory for the Microbicide Trials Network.



Over a dozen drug substances with potential for preventing HIV are being developed in our laboratory as single agents or combination products. Drug delivery strategies range from traditional dosage forms to the implementation of nanotechnology and genetically modified bacteria for targeted delivery. These novel delivery systems hold lifesaving promise for millions of women around the world. This work is currently funded through nine separate National Institutes of Health grants and other sources. Success of our research will empower women with a means to protect themselves from this pandemic that has plagued a generation of women.



“ During each of these opportunities, I was equally fortunate to have accomplished these goals with the help of extremely talented colleagues, and this made the journey all the more rewarding. ”

—Renée Juhl, BS '78, PharmD
Senior Director, Global Medical Department, Pfizer

“ [In Honduras], I tried to be a resource to the team by compounding creams and oral solutions and by consulting with the medical students on medication choices. All in all, it was hands-down the best experience of my life. ”

—Emily Dornblaser, PharmD '07
Assistant Clinical Professor, University of New England

“ (The third annual Great Lakes Symposium) was an incredible experience. It brought us together in a dynamic way. The success of it was everyone working together and (being) passionately involved in it. ”

—Nisanne Ghonem, PharmD
PhD Candidate, University of Pittsburgh School of Pharmacy

WE FOSTER COLLABORATION AND TEAMWORK

WE FOSTER COLLABORATION AND TEAMWORK



SCOTT M. MARK, PHARM.D, MS, MED, MPH, MBA
I can think of no greater way to express my appreciation for all that pharmacy has given me than to invest in developing new leaders. The programs we have created have established Pitt's reputation as the premier institution for leadership training.



Based on our successful Master of Science/Residency in Pharmacy Business Administration focused on hospital administration, we created a similar curriculum for community pharmacy. The program prepares students for senior management in a retail pharmacy organization. We engaged the CEO of Value Drug as a consultant and adjunct faculty member to help guide program content and rotations.

UNIVERSITY OF PITTSBURGH • SCHOOL OF PHARMACY



The School partnered with CVS Caremark to support the inaugural community management MS student/resident. The first year of the program is spent at the University of Pittsburgh and the second year with the corporate sponsor. We created affiliations with the Rite Aid Corporation, Millennium Pharmacy Systems, UPMC Falk Clinic Pharmacy, and UPMC Health Plan to ensure a broad exposure to community pharmacy for our trainees. The first trainee has completed his first year at Pitt. By design, the second year is to be spent at CVS corporate headquarters, the sponsor. It has literally taken a village to create this program. We appreciate the contributions of all our corporate partners.

WE FOSTER COLLABORATION AND TEAMWORK



MELISSA SOMMA MCGIVNEY, PHARM.D

Ten years ago when I practiced in Scranton, I realized the difference that team-based care could make for patients. I believe that patients everywhere should have access to a pharmacist to address their medication needs. I came to Pitt, and my quest to engage practitioners and organizations to make team-based care happen began.

We have engaged all seven schools of pharmacy in Pennsylvania to standardize student patient-care training throughout the Commonwealth with the goal of optimizing the care of patients. We are developing standardized training and tools that facilitate patient-centered, team-based care by pharmacists in the community. Pitt is leading the charge and is training our students and residents to be change agents and leaders. Our community residency program is recognized nationally and our graduates are highly recruited, with half currently serving as faculty members at schools of pharmacy.



UNIVERSITY OF PITTSBURGH • SCHOOL OF PHARMACY



We know that patients need the care that pharmacists can provide. We know that physicians and other health professionals are willing partners when we work as equally contributing team members. We also know that for pharmacists to be compensated for patient care, enough pharmacists need to be connected (networked) to provide care across a population. Our goal is to build the network infrastructure with the Pennsylvania Pharmacists Association so that patients can be cared for in their own communities.

WE FOSTER COLLABORATION AND TEAMWORK



**ERIC GARDNER, BENJAMIN CASSIDY,
MICHAEL SMITH, GERARD MASCARA**
PHARMD CANDIDATES 2011

We wanted to win again to extend Pitt's winning record in the OTC/Self-Care student team competition. Our experiences as a team in state and national competitions gave us an appreciation for the value of collaborative problem solving.

UNIVERSITY OF PITTSBURGH • SCHOOL OF PHARMACY



Pitt students had won the top prize at the Pennsylvania Pharmacists Association OTC/Self-Care student team competition in two of the three years the competition had been in existence. In February 2010, we competed against teams from Pennsylvania schools of pharmacy in a Jeopardy-style answer-and-question quiz on nonprescription medications and self-care practice. We won, making Pitt the first place winner three out of four years.



Benjamin Cassidy (opposite page, second from left) joined our team for the Academy of Managed Care Pharmacy (AMCP) National Student Pharmacist P&T Competition in 2010. Each team worked up a case study involving a drug product using an AMCP format for formulary submissions. Twenty-one student chapters competed in the semi-finals of this fiercely competitive program. Our team was one of eight finalists that went on to compete in San Diego. We won third place. Representing Pitt in state and national student competitions gave us invaluable opportunities to solve dynamic, real-life problems in high-pressure situations. Our team learning and leadership projects at Pitt prepared us well to collaborate and work effectively in health care teams.



“ I love all of you here at the clinic. You treat me with respect, dignity, and a true sense of caring and concern. Never at any medical facility have I been anything except for a number. Here, I have a name and am treated like I’m part of your family. ”

—Patient, Grace Lamsam Pharmacy Program

“ We have it in our hearts to help others. I practice it and everyone in my family practices it. It’s really the right thing to do. ”

—William Kennedy Sr., BS '61
CEO, Redex Industries

“ My father felt that it was the community that had given him his livelihood. Helping these young men and women to achieve their goals was his way of giving back. ”

—Sharon Goode Ryan, OTR
American Occupational Therapy Foundation
Daughter of William Goode, BS '28

WE FOSTER A CULTURE OF RESPECT FOR THE INDIVIDUAL

WE FOSTER A CULTURE OF RESPECT FOR THE INDIVIDUAL



SHARON CONNOR, PHARM.D

My student experience in the Dominican Republic opened my eyes to providing care for people in need. As a resident, I provided care to homeless patients in Pittsburgh and learned that you don't need to travel to faraway places to find people in need. I also learned to provide respectful health. As a faculty member, I strive to give every student those opportunities



The Grace Lamsam Pharmacy Program for the Underserved, now named for its founding director, was conceived and developed in 1995. At the time, Grace Lamsam, PharmD, PhD, was an assistant professor with a passion to serve the homeless, the working poor, the uninsured, and underinsured in our community. Dr. Lamsam has since entered a cloistered convent and is known as Sister Mary Grace, CP.

UNIVERSITY OF PITTSBURGH • SCHOOL OF PHARMACY



We share Dr. Lamsam's belief that every person deserves quality health care and medicines delivered to them with dignity and respect. Her spirit of giving to the underserved continues through the work of the volunteers, faculty, residents, and students of the School of Pharmacy. Through our efforts, we improve the quality of life for more than 5000 patients each year and provide pharmacy students and residents the opportunity to work with the most vulnerable people in our community.



University of Pittsburgh

School of Pharmacy

© University of Pittsburgh, School of Pharmacy, 2010.

The University of Pittsburgh is an affirmative action, equal opportunity institution.