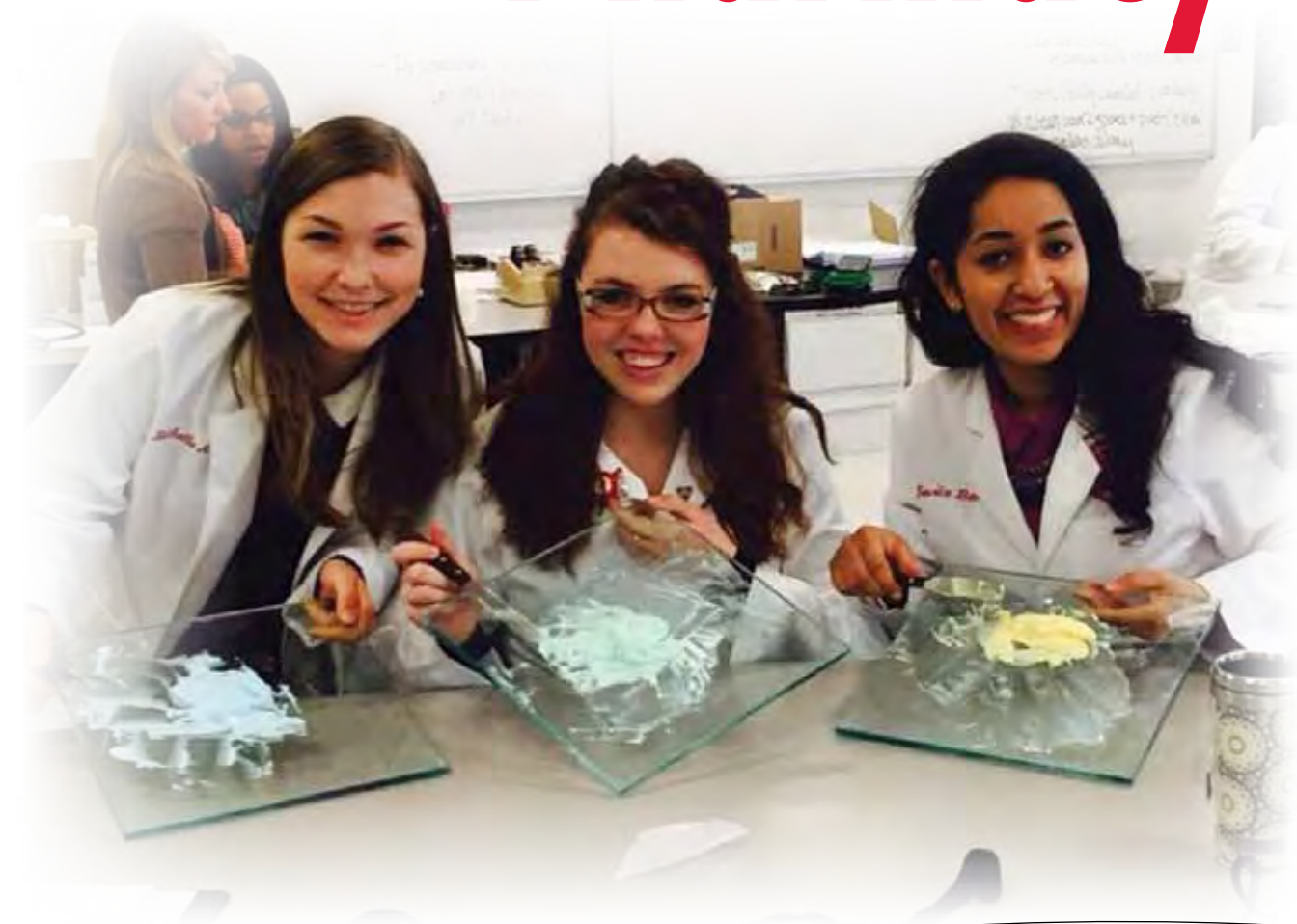


James L.  
**WINKLE**  
College of  
Pharmacy





**"Let Me Tell You"** *is the name of our college's video which was released this summer and which can be viewed on the homepage of our college's website (pharmacy.uc.edu). In many ways, this Annual Report builds upon the college video and provides me with an opportunity to share the highlights from this past year with you.*



**Enjoy, and go Bearcats!**

### **"Dean Mac"**

**Neil MacKinnon, BSc (Pharm), MSc (Pharm), PhD**

Dean and Professor

James L. Winkle College of Pharmacy

**RxDeanMac@uc.edu**

On Twitter and Instagram:

**@RxDeanMac**

**pharmacy.uc.edu**

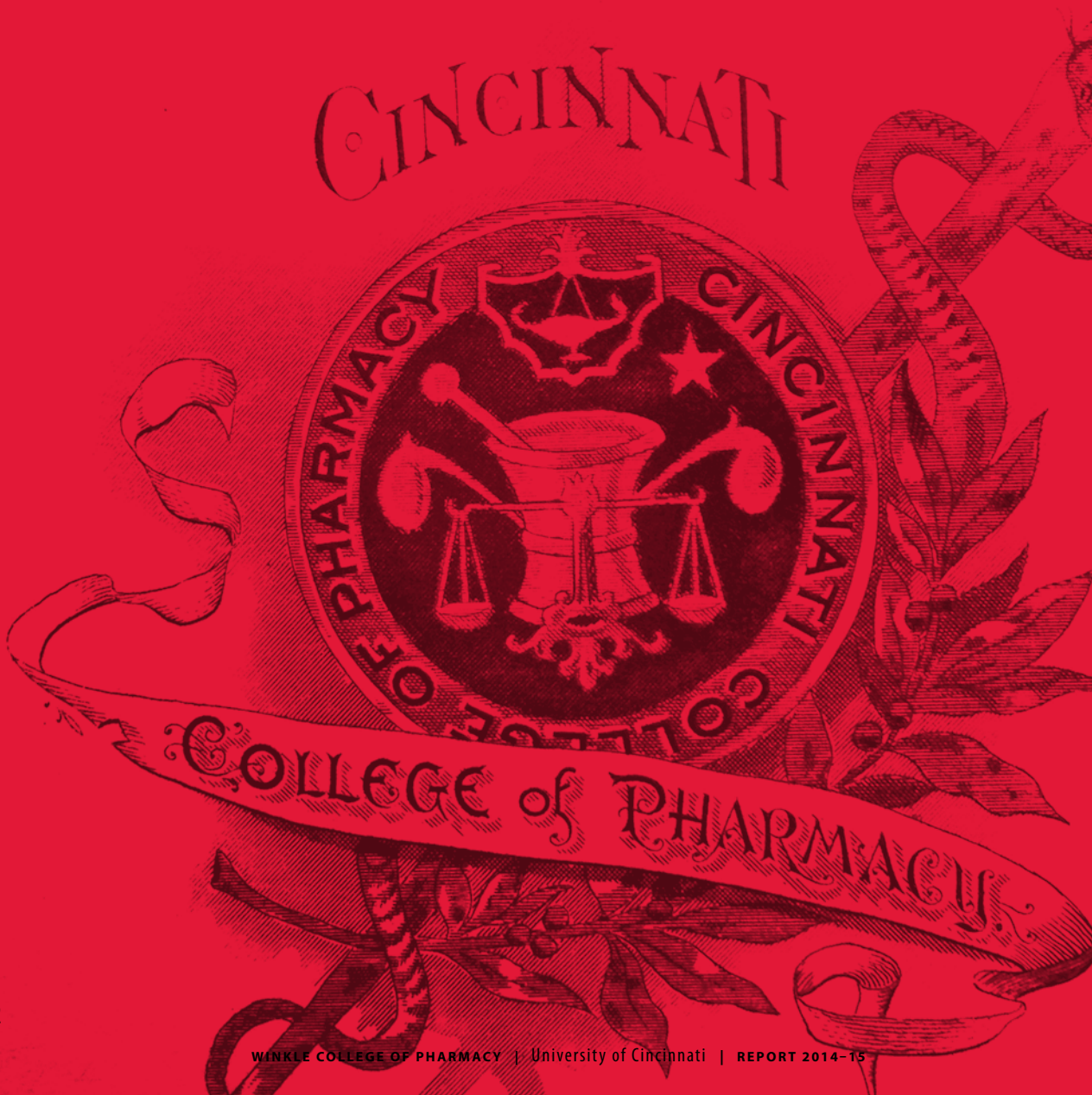
COLLEGE OF PHARMACY

James L. Winkle  
COLLEGE OF PHARMACY



# OUR FOUNDATION IS OUR HERITAGE.

*Our college is the 4th oldest in the U.S. and the accomplishments of our past faculty and students continue to inspire us today. In 1954, our college joined the University of Cincinnati under the leadership of Dean Joseph Kowalewski. In June, the university's Board of Trustees voted to rename the home of the college "Kowalewski Hall" in honor of his key role at a critical time in the life of our college. On November 9th this fall, we will be hosting an official renaming ceremony.*



# Dean Joe hasn't left the building.

**THE JAMES L. WINKLE** College of Pharmacy had its campus home recently renamed for a beloved and influential leader in the field of pharmacy: Joseph F. Kowalewski, who was dean of the college from 1949 to 1970.

Raised in Wisconsin, Kowalewski earned a degree from the University of Chicago and graduate degrees from the University of Cincinnati. From 1931 to 1941, Kowalewski, while working on his doctorate, taught chemistry on a part-time basis at the Cincinnati College of Pharmacy, an independent pharmacy school which opened in 1850.

Kowalewski eventually earned appointment as director of research at Sperti, Inc. in Cincinnati where he worked developing cosmetics, detergents, food products and pottery glazes. He also oversaw the development of Preparation H® and is credited with coining the name for the product.

In the fall of 1949, Kowalewski returned to the Cincinnati College of Pharmacy as dean. He revitalized school finances by raising a substantial endowment and directed the merger of the school with the University of Cincinnati in 1954 to become the university's

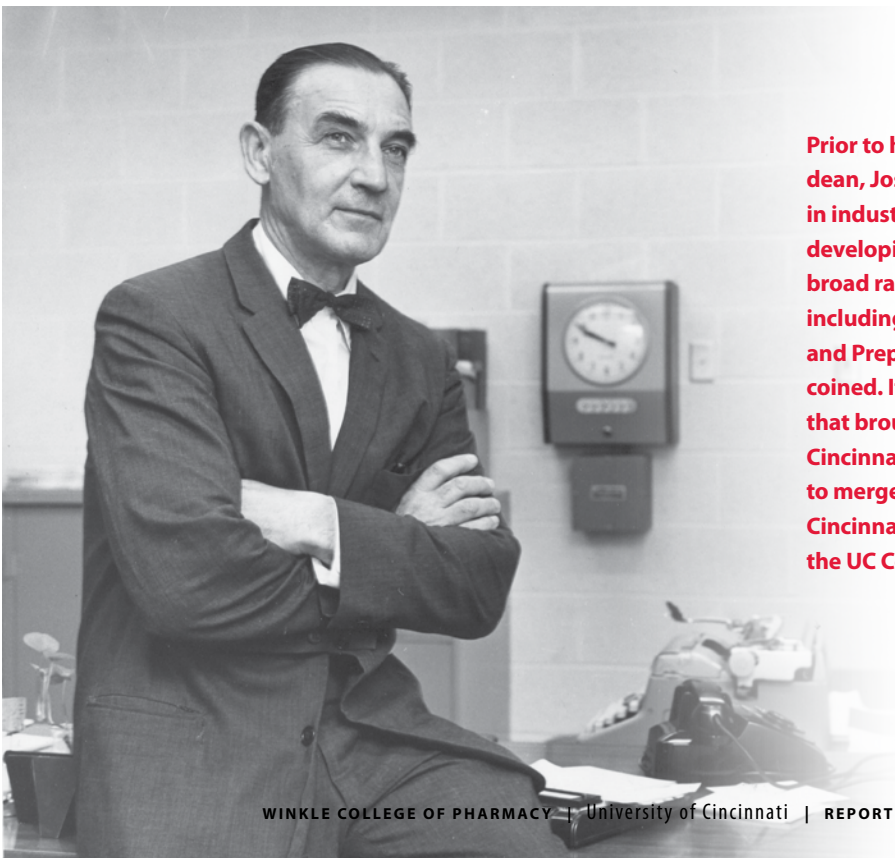
13th college. His leadership secured continued educational accreditation and the development of new degree programs at the college, strengthening pharmacy education in Cincinnati.

Dean Joe, as he was affectionately known around the college, died in March 2000 at age 100. By University Board of Trustee action this June, his transformational leadership will continue to be recognized, as the Health Professions Building, home to the College of Pharmacy, will now be known as Joseph F. Kowalewski Hall.

**“Dean Kowalewski’s powerful impact to the Winkle College of Pharmacy and the pharmacy community is still felt today. He endeared himself to all his students and strived to make pharmacy education affordable for them. Dr. Kowalewski saved, secured, invested, educated and transformed what we know today as the Winkle College of Pharmacy.”**

*J. Richard Wuest, PharmD, (Alumnus 1958, 1968, 1971)  
Professor Emeritus, Winkle College of Pharmacy*

**Prior to his service as pharmacy dean, Joseph Kowalewski worked in industry, responsible for developing and overseeing a broad range of products—including cosmetics, detergents, and Preparation H®, a name he coined. It was his leadership that brought the independent Cincinnati College of Pharmacy to merge with the University of Cincinnati in 1954 to become the UC College of Pharmacy.**





# Kowalew

## COMPREHENSIVE RENOVATION

*approved by University trustees*

## \$27 MILLION INVESTMENT

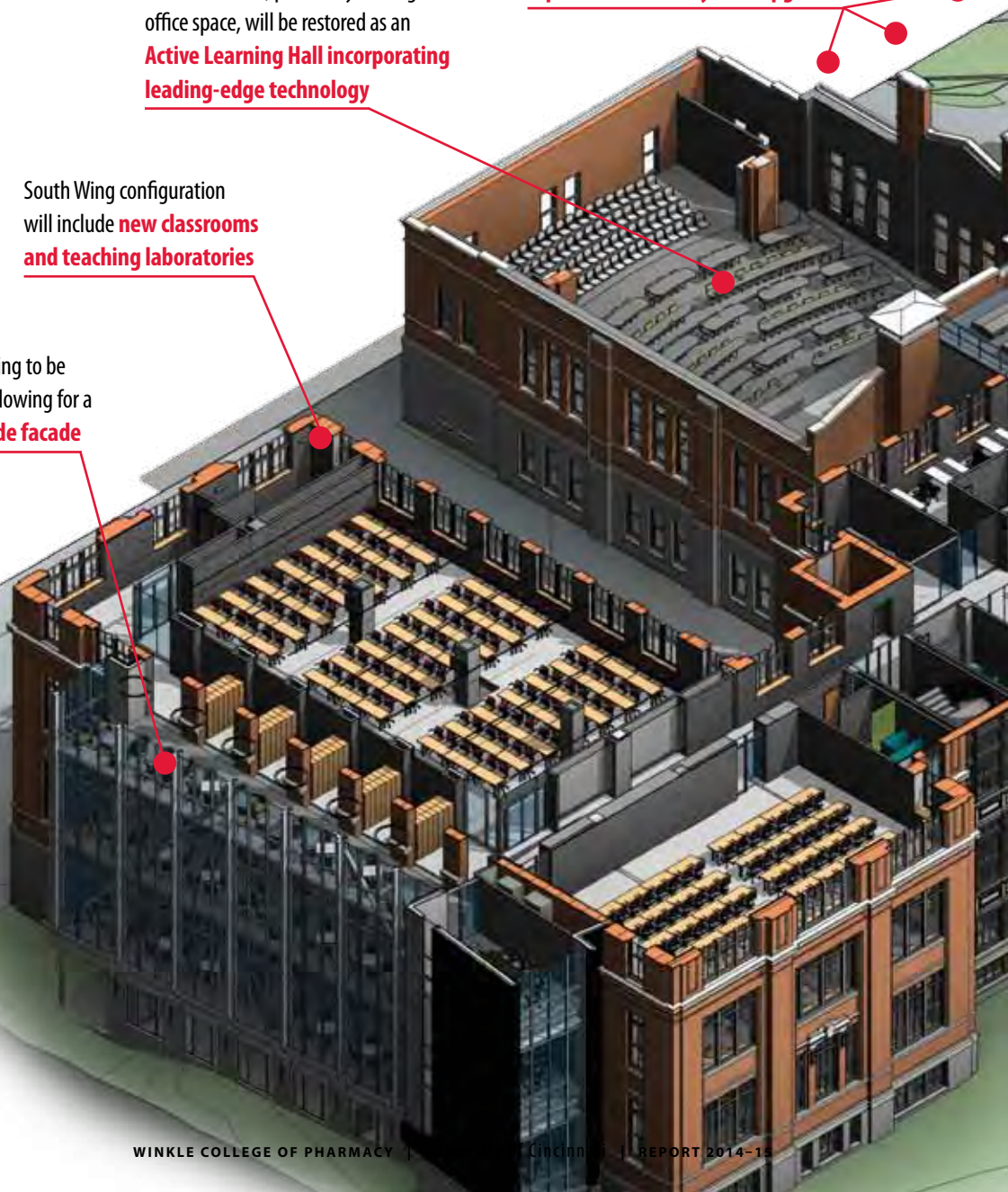
*enhancing the learning environment*

Heating, ventilation, air conditioning, plumbing, electrical, lighting and technology infrastructure for the college in the 118,590 sq. ft. building will undergo **structure-wide replacements and system upgrades**

The auditorium, previously serving as office space, will be restored as an **Active Learning Hall incorporating leading-edge technology**

South Wing configuration will include **new classrooms and teaching laboratories**

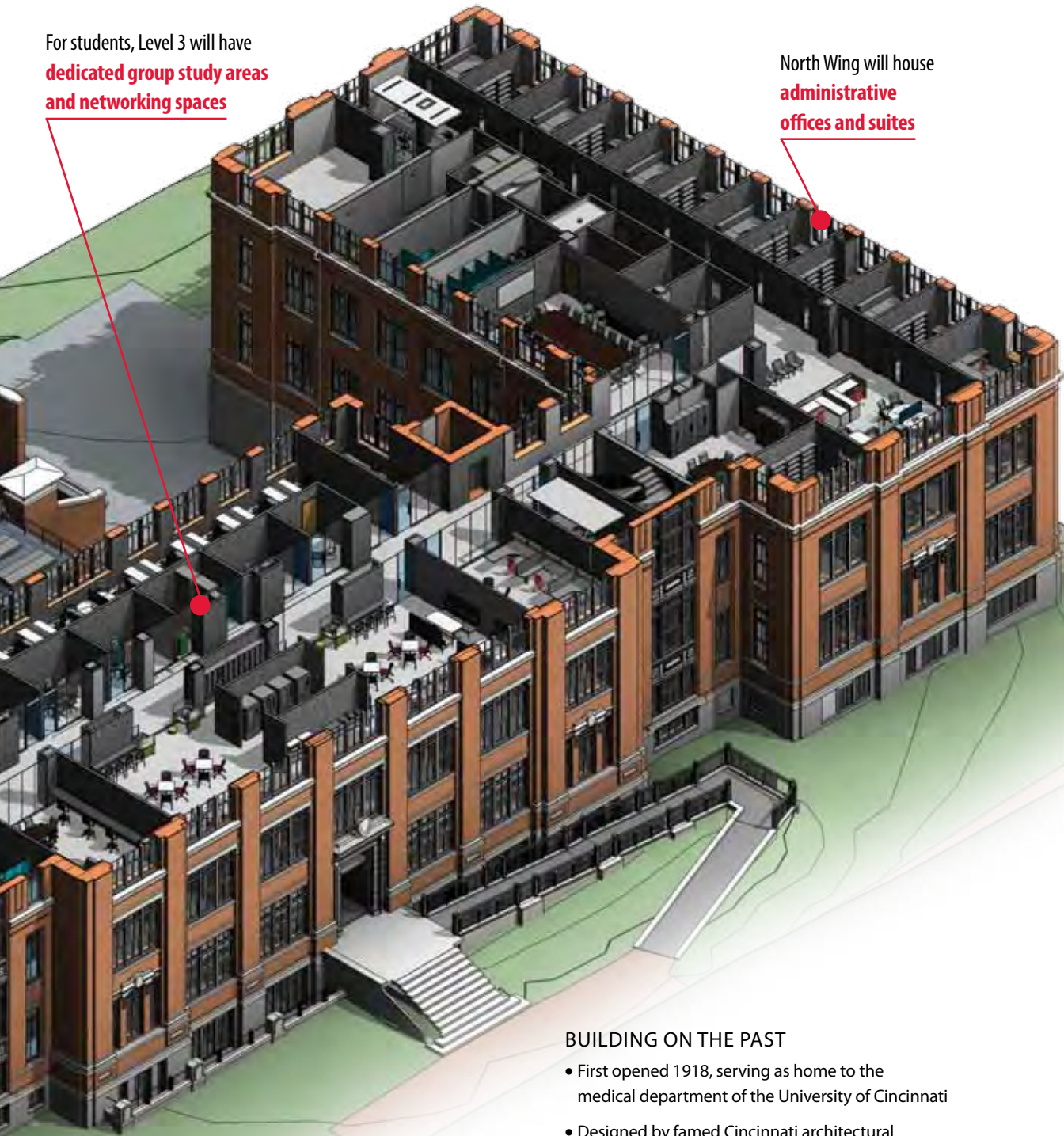
Adjacent building to be demolished, allowing for a **new south side facade**



# Winkleski Hall

For students, Level 3 will have **dedicated group study areas and networking spaces**

North Wing will house **administrative offices and suites**



## BUILDING ON THE PAST

- First opened 1918, serving as home to the medical department of the University of Cincinnati
- Designed by famed Cincinnati architectural firm Samuel Hannaford & Sons
- Became the medical campus location of the College of Pharmacy in 1976





# OUR ADVANTAGE IS OUR PRACTICE PARTNERS.

“There were things here that stood out to me;  
especially the experiential learning programs and  
the quality of the preceptors here.”

Fourth-year PharmD candidate Meghan Hackerson



*We are truly blessed with a number of top-ranked health systems and innovative community pharmacies in the greater Cincinnati area. Our college collaborates with 100 different practice partners which results in over 1000 rotations for our PharmD students. This experiential training was commended by the survey team in the 2013 accreditation report about our PharmD program, calling it “a particular strength of this program.”*

Anthem	Kroger Pharmacy–IT
AssureX Health	Kroger Pharmacy–Mitchell Ave.
Atrium Medical Center	Kroger Pharmacy–Mt. Washington
Bernens Convalescent Pharmacy	Kroger Pharmacy–North College Hill–Hamilton Ave.
Bethesda North Hospital Pharmacy	Kroger Pharmacy–Northgate
BioMed Specialty Pharmacy	Kroger Pharmacy–Norwood
CareSource	Kroger Pharmacy–Western Hills
Cincinnati Children’s Hospital Home Care Pharmacy	McCullough Hyde Memorial Hospital
Cincinnati Children’s Hospital Liberty Campus	Medication Managers
Cincinnati Children’s Hospital Medical Center	Mercy Health–Information Systems
Cincinnati Health Department–Elm St.	Mercy–Anderson
Cincinnati Health Department–Millvale	Mercy–Clermont
Cincinnati Health Department–Price Hill	Mercy–Fairfield
Clark’s Pharmacy–Middletown	Mercy–Jewish Hospital
Columbus Nationwide Children’s Hospital	Mercy–West
Community First Solutions	Mills Pharmacy
Consumer Health Information Corp.	Ohio Medicaid
CTI Clinical Trial and Consulting Services	Ohio Pharmacy Counseling Services, Ltd.
CVS Pharmacy–Clifton	Procter & Gamble–Mason
CVS Pharmacy–Walnut Hills	Providence Medical Group
CVS Pharmacy–Montgomery	Ruwe Family Pharmacy
CVS Pharmacy–Indian Hill	Schaeper’s Pharmacy
CVS Pharmacy–Corporate	Select Specialty Hospital
CVS Pharmacy–Kenwood	Simplicity Rx
CVS Pharmacy–West Chester	Skilled Care Pharmacy
Dayton Children’s Hospital	St. Elizabeth–Edgewood
Dearborn County Hospital	St. Elizabeth–Florence
Dept. of Veterans Affairs–Chillicothe	St. Elizabeth–Fort Thomas
Dept. of Veterans Affairs–Cincinnati	St. Vincent DePaul Charitable Pharmacy
Dept. of Veterans Affairs–Cincinnati Fort Thomas	Summit Behavioral Healthcare
Dept. of Veterans Affairs–Dayton	Sycamore Hospital
Drake Center	Target Pharmacy–Ridge
Drake–Christ Hospital	The Christ Hospital
Drug & Poison Information Center–Cincinnati	Tri-State Compounding Pharmacy
Faith Community Pharmacy	UC College of Pharmacy–Christ Hospital
Fields Family Pharmacy	UC College of Pharmacy–Elois Center
Fort Hamilton Hospital	UC College of Pharmacy–Five Rivers Health Centers
Fort Mitchell Drug Shoppe	UC College of Pharmacy–Kroger
Fort Thomas Drug Center	UC College of Pharmacy–McMicken Health
Good Samaritan Hospital	UC College of Pharmacy–Mission Trip
Good Samaritan Infusion Center at MediCenter	UC College of Pharmacy–St. Elizabeth–Family Practice Ctr.
Group Health Pharmacy–Clifton	UC College of Pharmacy–Teaching
Hart Pharmacy	UC College of Pharmacy–UC Medical Center
Healing Springs Pharmacy	UC Health
HealthSpan	University of Cincinnati Medical Center
Homecare Pharmacy	University of Cincinnati Medical Center–Research
Huber Personalized Medicine	University of Cincinnati Medical Center–Deaconess
Humana RightSource	Village Life Outreach Project
Kentucky Professionals Recovery Network	Village Pharmacy
Kettering Hospital	Walgreens Pharmacy–Evendale
Kroger Pharmacy–Amelia Main Street Marketplace	Walgreens Pharmacy–Home Infusion
Kroger Pharmacy–Anderson	Walgreens–District Office, Cincinnati
Kroger Pharmacy–Blue Ash	Walgreens–Howard Brown Health Center Chicago
Kroger Pharmacy–Corporate	Walgreens Pharmacy–W. Galbraith
Kroger Pharmacy–Delhi on Delhi	West Chester Hospital
Kroger Pharmacy–Dent	Wright–Patterson AFB
Kroger Pharmacy–Erlanger	Yost Pharmacy
Kroger Pharmacy–Ferguson Rd	Yukon-Kuskokwim Health Corporation

# Practice Partners

## University of Cincinnati Medical Center

An experience of hospital based and specialty health care

### **“STRAIGHT UP FANTASTIC!”**

is the rave review from Tyler Vest, a fourth-year UC pharmacy student finishing up a clinical pharmacy rotation in trauma service at University of Cincinnati Medical Center (UCMC). Located within steps of UC’s pharmacy college, UCMC—the University’s affiliated teaching hospital—provides 90 clinical pharmacy rotations, with an additional 75 rotations at outlying UC Health locations. The majority of pharmacy students who rotate at UCMC come from UC’s James L. Winkle College of Pharmacy, but UCMC also precepts students from Ohio Northern and Ohio State University.

Pharmacy rotations here began about 50 years ago and started with general rotations such as medicine, surgery and ambulatory care. The program gradually expanded to include specialty areas and now has 20–25 preceptors who oversee more than a dozen student rotations each month.

UCMC clinical pharmacist and preceptor Kiranpal Singh Sangha, PharmD, who developed the specialty rotation in neurocritical care in 1991, says students here

get a “good exposure” to institutionally based health care.

The experiential learning program, he says, is set up to provide students with both the knowledge of how a hospital system works and the training to determine whether clinical hospital pharmacy is the career

path they see themselves taking.

“A lot of this you don’t see until you are with a pharmacist in this environment, so you spend the rotation really deciding, ‘Can I see myself here?’” says fourth-year UC pharmacy student Tara Lines, adding, “You definitely have experiences you wouldn’t expect.”



In addition to general rotations in medicine, surgery and ambulatory care, UCMC rotations include:

- medical intensive care unit
- surgical intensive care unit
- emergency department
- oncology
- anticoagulation clinic
- psychiatry
- cardiology
- drug policy development





## Hart Pharmacy

An independent pharmacy close to its community

**IT'S IMPOSSIBLE** to be in more than one place at a time. Unless you are Mimi Hart, the owner of Hart Pharmacy on Cincinnati's west side.

In addition to running the independent pharmacy her father, Thomas Hart, opened in 1960, Hart sits on the board of Santa Maria Community Services, helped found the community action group, Price Hill Will, and volunteers as a pharmacy consultant to two drug addiction rehabilitation centers: the Center for Chemical Addictions Treatment, a medically monitored detox facility with short term inpatient and outpatient services, and First Step Home, a drug rehabilitation center for pregnant women.

And she serves as a preceptor in the clinical skills lab of her alma mater—the James L. Winkle College of Pharmacy.

"I get a lot of stuff done in the middle of the night," Hart responds when asked how she manages to be a full-time pharmacist, stay connected to pharmacy education at UC and continues to be so actively involved in community service.

"As an independent pharmacy we are very close to our patients and our community. We try to foster an environment where community service is valued and encouraged."

**Of Note:** Mimi Hart was awarded the American Pharmacists Association Bowl of Hygeia Award by the Ohio Pharmacists Association in 2012. The award recognizes pharmacists who possess outstanding records of civic leadership in their communities and encourages pharmacists to take active roles in their communities. Hart is the only woman in Ohio to hold the award.

Her work ethic and exceptionalism also earned Mimi Hart the honor of being named a Cincinnati Enquirer Woman of the Year, Class of 2014.

# OUR FOCUS IS OUR STUDENTS.

*This fall, the University of Cincinnati set a new enrollment record with 44,274 students. At our college, we had 457 students when I arrived as dean in August 2013 and we have 491 students today, a 7.5% increase. Despite the large numbers, we strive to treat each student as an individual. The service learning component of our curriculum aims to produce pharmacists who are compassionate and reflective practitioners. We are in the midst of enhancing our learning environment for our students through a \$27 million renovation to Kowalewski Hall and a \$5 million renovation to research laboratories for our college in the Medical Sciences Building.*



A grayscale photograph of a woman with long dark hair, wearing a dark jacket, standing at a wooden podium and speaking into a microphone. In the background, a young woman with dark hair tied back is seated at a desk, looking towards the speaker. The setting appears to be a formal room with large windows in the background.

## “University of Cincinnati pharmacy students played a key role in expanding access to immunizations in Ohio.”

**Pharmacy Times**  
**January 2015**

### This Schoolhouse Rocked It

**REMEMBER** the Schoolhouse Rock song “How a Bill Becomes a Law.” Well, this is the grown up version.

In December 2014 Ohio’s Governor John Kasich signed a bill into law that lowered the age of patients at which a pharmacist may administer certain immunizations and expands immunizations a pharmacy intern may administer.

The law, which went into effect March 19, 2015, was a change that students and faculty from the James L. Winkle College of Pharmacy have lobbied for since 2013.

Under the old law, pharmacists could only give flu shots to individuals 14 years old or older and pharmacy interns may give flu shots to individuals 18 years old or older. Under the new law both pharmacists and pharmacy interns may give flu shots to individuals starting at 7 years old.

“It is very rare when students can play such an integral role in changing the laws that determine how they will practice,” the college’s Director of Experiential Training, Assistant Professor Michael Doherty, PharmD, explains of how the bill was born during

the first Professionalism and Advocacy elective he taught. The students invited Senator Eric Kearney to speak and were encouraged to take an active role in the laws that govern their profession, says Doherty.

While all 50 states allow pharmacists to immunize patients, restrictions vary from state to state.

Speaking as a student pharmacist, pharmacy intern and as the University of Cincinnati student representative to the Ohio Pharmacists Association Board of Trustees, PharmD candidate (now graduate class of 2015) Erin Rogers testified to lawmakers in support of a new bill on three occasions and explained in her testimony how expanding the scope of practice for pharmacists and pharmacy interns would increase access to health care for Ohioans.

The Ohio Pharmacists Association was the main backer of the bill, which passed by a strong majority in both the Senate and the House.

**“The entire process has been an unbelievable experience for our students and the college as a whole.”**

*Assistant Professor Michael Doherty, PharmD, whose Professionalism and Advocacy elective fostered the legislative involvement*

# White Coat Connection

**ON AUGUST 21**, when our freshly minted PharmD students put on their white coat in Kresge Auditorium, there was a card in the pocket indicating who in their pharmacy family sponsored their

coat. For those who choose, the card also indicates an opportunity for mentorship and a connection with someone who has been there, and been successful, to answer their questions as they begin to navigate pharmacy school.

This year's white coat ceremony marks the first time that the James L. Winkle College of Pharmacy partnered with alumni, faculty, and friends to get each coat sponsored, with over 100 coat sponsorships from 75 alumni, faculty, and friends.



“I wanted to find a way to support students, and sponsoring white coats seemed to be a perfect opportunity. I want them to know that I am behind them 100%.”

Alumnus and coat sponsor Dick Darlington ('55 )





## Thanks to the following for sponsoring White Coats this year:

### Sponsor (Graduation Year)

Mary Bader (2006)  
 Bethany Baker (2010)  
 Dave Barkalow (1967)  
 Brenda Barnes (2014)  
 Louis Barone (1982)  
 Nick Barsan (1980)  
 Terry Beckemeyer (1973)  
 Daniel Billman (1959)  
 Scott Bleser (1982)  
 Gregory Braylock (1997)  
 Terry Brotherton (1980)  
 Cathy Broustas (1980)  
 Bethanne Brown (2004)  
 Whitney Buterbaugh (2013)  
 Teresa Cavanaugh (2006)  
 Edward Cubick (1992)  
 Mary Cubick (1994)  
 James Dalton (1986)  
 Dick Darlington (1955)  
 Theresa Davis (2015)  
 Barbara Dawson (1980)  
 Aaron Dershak (2000/2004)  
 Harry Dingeldein (1958)  
 Christopher Droege (2008)  
 Molly Droege (2009)  
 Kimberly Eskridge-Rose (1992/1994)

Bill Farrell (1973)  
 Gerald Fitzgerald (1962)  
 Chris Forg (2010)  
 Greg Fox (1983)  
 Gail Goedde-Chin (2008/2012)  
 Erica M. Grayson (1990)  
 Mary and Thomas Hart (1958)  
 Pam Heaton (1986/2003)  
 Dan Hein (1987)  
 Dennis Helling (1973)  
 Robert Hodgeman Sr. (1967)  
 Michael Huheey (1976)  
 Meara Huheey  
 Barb Huheey  
 Thomas Imhoff (1971/1974)  
 Barbara Iseman (1985)  
 Alan Kessler (1972)  
 Jim Kiffmeyer (1980)  
 Michael Kilday (1963)  
 Norb Kinross (1999/2001)  
 Susan Kinsella (1978)  
 Jeremy Klein (2014)  
 Dan Knight (2007)  
 David Kramp (2011)  
 Karen Martin (1982)  
 Erin McHenry (2005)  
 April Mcquire (2008)

Nicholas Messinger (2012)  
 Anne Moorman (1995)  
 John Morgan (1984)  
 Eric Mueller (1999/2001)  
 Zari Namakydoost-Ehteshami (2002)  
 Amanda Peck (2012)  
 Davies Pharmacy  
 Mike Puccini (1983)  
 Verna Reese (1984)  
 Helene Robinson (1979)  
 Shelley Rose (1993)  
 David Roth (1978)  
 Mary Sauls (1974)  
 David Shelton (1973/1974)  
 Richard Slaughter (1975)  
 Emily Soller (1998)  
 Harold St. Clair (1968/1971)  
 Ryan Steadman (2007)  
 Blythe Steele (1996/2007)  
 Dawn Valentine (1988)  
 Melca Wallace (1982)  
 Kim Warner (2010)  
 Brad Welage (1997/1999)  
 Tracy Wiczer (2011)  
 Patricia Wigle (Faculty)  
 James Winkle (1958)



# Recognizing **Student** Achievement

Fourth-year PharmD candidate **Meghan Hackerson** (*below*) was the 2015 recipient of the national **American Pharmacists Association Student Leadership Award**. Hackerson also received a United States Public Health Service Excellence in Public Health Pharmacy Practice Student Award in 2015, and was named Volunteer of the Year in 2014 by the public service non-profit, Melanoma Know More.



Fourth-year PharmD candidate **Tyler Vest** (*right*) has been appointed chair of the 2015-2016 American College of Clinical Pharmacy (ACCP) **National Student Network Advisory Committee**. This position is the highest student leadership position within ACCP.

Additionally, Vest speaks at the 2015 ACCP Global Conference on Clinical Pharmacy October 17–21, 2015, in San Francisco, California.



The James L. Winkle College of Pharmacy's **Kappa Psi Beta Phi** chapter received three of four awards at the fraternal organization's recent Great Lakes Province assembly (*below*). There they were also recognized as the **#1 chapter in the province**, which includes nine pharmacy school chapters such as Ohio State University, the University of Kentucky and the largest pharmacy school in Ohio, at Ohio Northern University.



Class of 2015

## **Council of Ohio Colleges of Pharmacy Student Leadership Award**

Jaime Lee Schwendenmann

## **Facts and Comparisons Clinical Communication Award of Excellence**

Kinsey Rose Kowalski

## **Merck Award**

James Matthew Keeler

Emily Ann Kolb

Alexa M. Petrarca

## **Mylan Excellence in Pharmacy Award**

Jessica Nicole Hatton

## **Natural Medicines Comprehensive Database Recognition Award**

Cory Albert Simonavice

## **Ohio Pharmacists Association Student Leadership Award**

Erin Sawyer Rogers

## **Teva Outstanding Student Award**

Alicia Marie Browning

## **Rho Chi Inductees from the Class of 2015:**

Andrew Anger

Holly Baldwin

Megan Branham

Alicia Browning

Ryan Craynon

Jenny Custer

Kenneth Daniels

Tara Fehrenbach

Jessica Hatton

Rebecca Hedden

James Keeler

Alex Klingenberg

Emily Kolb

Kinsey Kowalski

Xiaohui Liu

Emily Lodwick

Julia Outcalt

Ashley Paluta

Michelle Papathanas

Nicholas Ullmann

Elizabeth Walker



**RESIDENCY** 85 percent of Winkle College of Pharmacy 2015 PharmD graduates seeking residencies placed during the 2015 match.

**Caroline Barone** St. Thomas West Hospital (Nashville, Tennessee)  
**Megan Branham** The Ohio State University Wexner Medical Center  
**Alicia Browning** Cincinnati Children's Hospital Medical Center  
**Allison Brunsman** Henry Ford Hospital (Detroit, Michigan)  
**Ryan Craynon** University of Wisconsin Hospital and Clinics (residency and MS, PGY-1 Pharmacy Practice Residency)  
**Tara Fehrenbach** University of Cincinnati and Kroger Pharmacy  
**Charles Harvey** UC Health West Chester (Ohio)

**Jessica Hatton** VA Medical Center (Dayton, Ohio)  
**Brandon Jacoby** Mercy Jewish Hospital (Cincinnati)  
**Katelyn Johnson** University of Cincinnati and Kroger Pharmacy  
**James Matthew Keeler** The Christ Hospital (Cincinnati)  
**Kinsey Kowalski** University of Cincinnati Medical Center  
**Jamie Kraemer** Norton Healthcare (Louisville, Kentucky)  
**Emily Lodwick** St. Elizabeth Medical Center (Covington, Kentucky)  
**Michelle Papathanas** University of Chicago Medical Center  
**Alexa Petrarca** Louis Stokes Cleveland VA Medical Center

**Michael Robinson** Norton Healthcare (Louisville, Kentucky)  
**Michelle Robosky** University of Cincinnati Medical Center  
**Erin Rogers** The Ohio State University Wexner Medical Center (residency and MS in pharmacy administration)  
**Jaime Schwendenmann** Memorial Hospital of South Bend (Indiana)  
**Cory Simonavice** China Medical University, Taiwan  
**Brittany Turner** Confluence Health (Wenatchee, Washington)  
**Elizabeth Walker** Henry Ford Hospital (Detroit, Michigan)

**Pharmaceutical Sciences**

**Doctor of Philosophy Degree**  
*December 2014 Graduates*  
 Sudhir Baswan  
 Dissertation Title: Transport of Charged and Uncharged Solutes in Hydrated Human Nail Plate  
 Vibha Desai  
 Dissertation Title: Comparative Effectiveness of Steroid Withdrawal Regimen in Patients with Kidney Transplantation: Results from Discrete Event Simulation Modeling

**Master of Science Degree (Drug Development Emphasis)**  
*December 2014 Graduate*  
 Andrea Collins  
 Capstone Project Title: Analyses of Current Clinical Trials for Age-Related Macular Degeneration: Examination of Why Drugs are Failing in Clinical Setting

*May 2015 Candidates*  
 Rob Anderson  
 Capstone Project Title: Effectiveness of Drug Repurposing Using the 505(b)(2) Pathway  
 Brittany Horning  
 Capstone Project Title: Therapeutic Breast Cancer Vaccines: An Analysis of the Current Phase I/II and Phase III Clinical Trial Setting

Emily Lay  
 Capstone Project Title: Gender Differences in PK: A Meta-Analysis of Benzodiazepines  
 Harit Nandani  
 Capstone Project Title: Economic evaluation of FOLFIRINOX versus Abraxane and Gemcitabine in the Treatment of Metastatic Pancreatic Adenocarcinoma  
 Fatma Rah  
 Capstone Project Title: The Impact of Community Consent on Populations in Developing Countries

**Master of Science Degree (Cosmetic Science Emphasis)**  
*December 2014 Graduates*  
 Mary Magsombol  
 Capstone Project Title: Approaches for Anti-Glycation Skin Care

*May 2015 Candidates*  
 Patricia Acton  
 Capstone Project Title: A Review of *in vitro* Sun Protection Factor Measurements and Their Correlation to *in vivo* Measurements  
 Fatheih Alkazaz  
 Capstone Project Title: Evaluating the Use of Parabens and Formaldehyde Donors as Preservatives  
 Lindsey Bertram  
 Capstone Project Title: Infrared Radiation Damage on Skin and the New Generation of Sunscreen Products  
 Lauren Rios  
 Capstone Project Title: Investigations into Causes and Subsequent Reduction of Damage in Mechanically or Chemically Altered Hair





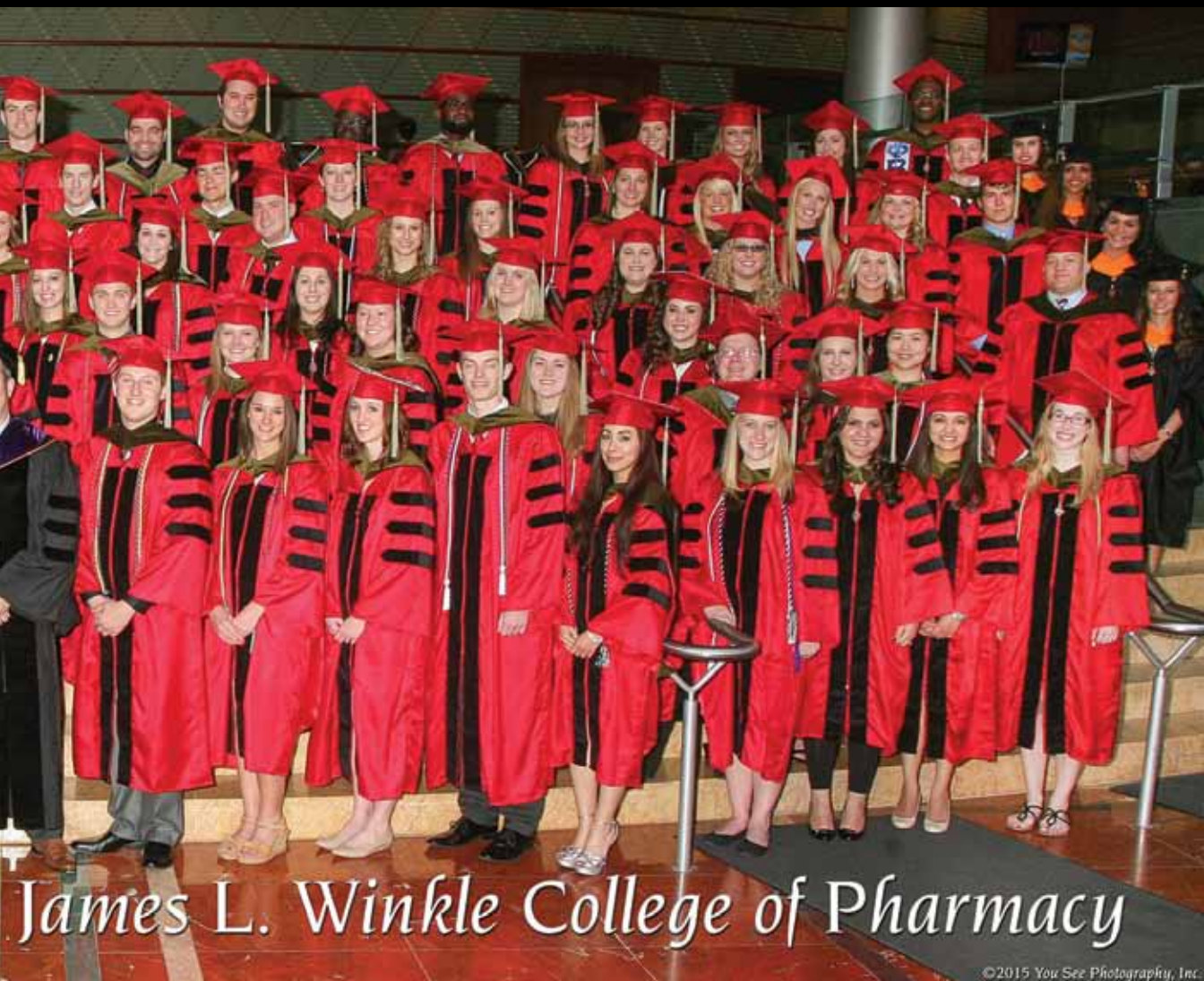
# University of Cincinnati Class of 2015

Holly M. Albers  
 Krystal Lynn Amburgey  
 Andrew J. Anger  
 Samuel B. Appiagyei  
 Holly Michelle Baldwin  
 Caroline Barone  
 Sarah Gebele Betsinger  
 Jared M. Bollman  
 Derek Alden Bowles  
 Megan K. Branham  
 Kimberly Ann Brinkman  
 Alicia Marie Browning  
 Allison Christine Brunsman  
 Calin I. Cantrell  
 Richard Alan Carpenter Jr.  
 Christopher Ogechukwa  
 Chidume

Christine Ciriaco  
 Christina Raye Courts  
 Ryan Michael Craynon  
 Jennifer Elise Custer  
 Kenneth Brandon Daniels  
 Theresa An Davis  
 Kurt Deutschle  
 Emily Jane Farley  
 Tara Nicole Fehrenbach  
 Sylvia L. Folmer  
 Daniel M. Garbett  
 Leslie Anne Gathof  
 James D. Gehring  
 Lamar K. Gerber  
 Lauren Elizabeth Gilmer  
 Taylor Mae Hanahan  
 Charles Andrew Harvey

Jessica Nicole Hatton  
 Erin Brittany Hayden  
 Rebecca Lynn Hedden  
 Timothy W. Hirt  
 Andrew Joseph Hobohm  
 Emily Rose Hoskins  
 Michael Thomas Huizing  
 Heather L. Humphries  
 Brandon L. Jacoby  
 Alexander Michael Jagoditz  
 Katelyn Eileen Johnson  
 James Matthew Keeler  
 Mariam Faisal Khan  
 Bryan Michael Kirschner  
 Alex Matthew Klingenberg  
 Emily Ann Kolb  
 Kinsey Rose Kowalski





Jamie Marie Kraemer  
 Tyler J. Kroeger  
 Charles Kwokem  
 Kendra N. Lakes  
 Amanda Christine Leonard  
 Xiaohui Liu  
 Emily Ann Lodwick  
 Stephen Tyler Marcum  
 Gail McFaddin  
 Paige M. Mendenhall  
 Brett Menne  
 Michael Miller  
 Chelsey Elizabeth Noftz  
 Jessica Lynn Norton  
 Barry Nzegwu  
 Megan N. Onady  
 Julia Blair Outcalt

Ashley Louise Paluta  
 Michelle Renee Papathanas  
 Matthew Wayne Parriman  
 Bradley Aaron Peters  
 Alexa M. Petarca  
 Emmanuel Wobil Quainoo  
 Mellisa K. Roberts  
 Fiona Daniella Robertson  
 Michael Robert Robinson  
 Michelle Lea Robosky  
 Erin Sawyer Rogers  
 Lauren Schuler  
 Jaime Lee Schwendenmann  
 Brian M. Seders  
 Vaidehi Raj Shah  
 Cory Albert Simonavice  
 Danielle Soriano  
 Justin R. Streicher

Lauren K. Thompson  
 Mara Faillace Tremaglio  
 Anna Treskunova  
 Brittany Nicole Turner  
 Nicholas Ullman  
 Christian Unger  
 Carmen C. Wah  
 Elizabeth A. Walker  
 Barbara Alison Watson  
 Ricky J. Watson  
 Michelle Elizabeth Wells-Walker  
 Bradley Gordon Westerbeck  
 Bradley Winterhalter  
 Kenneth Scott Woodall  
 Michelle E. Wright  
 Jun Zheng  
 Amanda Marie Zotter

# OUR **FUTURE** IS OUR **LEADERSHIP** IN **INNOVATION.**

*Over this past year, we have hired eight new faculty members in newly created positions and these faculty members are leaders in pharmacy practice and research. The research dollars held by our faculty has increased 19% over this same time last year. Many of these grants represent innovative projects in the biomembrane sciences, pharmaceutical sciences and in health outcomes research.*



**THE GROWTH IN FACULTY** will help to further propel research initiatives at the college with the goal of enhancing partnerships with local health-systems and industry partners.

*Front row:* **Ana Hincapie, PhD**, joined the college in April as an assistant professor of health outcomes and the first female Latino faculty member in the history of the college. Hincapie will spend about 40 percent of her time working with St. Elizabeth Healthcare, the largest employer in Northern Kentucky.

*Middle row, left to right:* Neuroscience researcher **Jianxiong Jiang, PhD**, came on board in January 2015 as an assistant professor of pharmaceutical sciences. His area of focus is neuro-pharmacology and he holds a prestigious NIH K award.

The college hired cancer researcher **Joan Garrett, PhD**, in January 2015. Garrett is an assistant professor of pharmaceutical sciences and her area of research is breast cancer.

**Erin Winstanley, PhD**, was hired in 2014 as an assistant professor in health outcomes. Winstanley works in partnership with Mercy Health Partners, which operates five hospitals in Greater Cincinnati. **Liz Weed, PharmD**, joined the college in August as assistant professor of pharmacy practice. She was hired in partnership with the Lindner Center of HOPE, a Mason, Ohio, hospital that specializes in mental health and addiction disorders.

*Top row, left to right:*

Assistant professor of pharmaceutical sciences, **Harshita Kumari, PhD**, joined the college in February 2015, further strengthening the college's research in cosmetic science.

**Nicole Avant, PharmD**, joined the college in July 2015. Her position is co-funded by the Kroger Company. An assistant professor of pharmacy practice and chief diversity officer for the college, she is the first female African-American faculty member in the history of the college. The college hired **Nick Messinger, PharmD**, as an assistant professor of pharmacy practice with a focus in ambulatory care and urban health disparities in 2014.

# New Faculty



# Cosmetic Science

## Program Scope Broadens; Research Collaborations Expand

**COSMETIC SCIENCE** at the Winkle College of Pharmacy is an area of emphasis in the Biomembrane track of the Graduate Program in Pharmaceutical Sciences offering MS and

PhD training to full time students and certificate and MS level training to students participating in the Cosmetic Science Distance Learning program. The latter is growing rapidly and now has

more than 60 matriculated students. Discussions have been initiated to expand the program internationally, spurred by an ongoing interest in Asia and, most recently, in China.

## Skin Science and Technology Center

**UC RESEARCH** in cosmetic science has broadened through new collaborations with both internal and external partners and is now organized under the framework called the Skin Science and Technology Center (SSTC) operating under the auspices of the University of Cincinnati Research Institute. The SSTC, currently led by College of Pharmacy Professor Gerald Kasting, PhD, involves researchers from four UC colleges—Pharmacy, Medicine, Engineering and Arts & Sciences—working collaboratively to solve problems of interest to industrial partners.

It has received significant support from industry giant Procter & Gamble through their extramural research program, Connect & Develop.

**In FY 2015–16, College of Pharmacy researchers were awarded multiyear grants through the Skin Science and Technology Center (SSTC) totaling more than \$800,000, which, combined with existing awards, brings total SSTC-related research at the College in excess of \$1 million.**

*College of Pharmacy researchers currently holding grants through the Skin Science and Technology Center:*

- **Gerald Kasting, PhD**
- **Hashita Kumari, PhD**
- **Kevin Li, PhD**
- **Giovanni Pauletti, PhD**
- **Yuhang Zhang, PhD**

*Current projects cover diverse topics including:*

- delivery of bioactive agents to skin and oral mucosa
- mild surfactant technology
- measurement of skin biomarkers
- computational approaches to studying skin absorption and skin hydration





# Recognizing Faculty Achievement

**Kelly Epplen, PharmD**, associate professor in the James L. Winkle College of Pharmacy, was nationally recognized with the 2015 Phi Lambda Sigma (PLS) Outstanding Chapter Advisor Award.

The presentation was held March 28 at the PLS 50th anniversary gala in San Diego.

Epplen, inducted as a student in 1995, became the chapter's advisor when she joined the UC faculty in 2009.



Kelly Epplen, on left

Two faculty from the James L. Winkle College of Pharmacy hold prominent leadership positions within the International Pharmaceutical Federation (FIP).

**Giovanni Pauletti, PhD**, a pharmaceutical sciences researcher and professor at UC since 1998, was elected to serve as vice president on FIP's Council through 2018. He has been chair of the FIP Special Interest Group on Formulation Design and Pharmaceutical Technology since 2011 and also co-chairs the FIP programming committee.

**Marianne Ivey, PharmD**, a professor and a pharmacy practice faculty at UC since 1988, has been elected president of the Hospital Pharmacy Section of FIP through 2018. Ivey recently concluded two terms as the FIP's vice president of the Hospital Pharmacy Section, representing



Giovanni Pauletti and Marianne Ivey

the World Health Organization (WHO) global region called the Pan American Health Organization region (Canada, U.S. and Central and South America).

The FIP is the premier global federation of national associations of pharmacists and pharmaceutical scientists, with 132 member organizations.

## Faculty Development and Recognition Committee Awards

### SERVICE ACTIVITIES RECOGNITION

**Teresa Cavanaugh:** President, Ohio Society of Health-System Pharmacists

**Pankaj Desai:** Vice-Chair, Pharmacokinetics, Pharmacodynamics and Drug Metabolism Section, American Association of Pharmaceutical Scientists

**Kelly Epplen:** Fellow, American Society of Health-System Pharmacists

**Pamela Heaton:** Associate Editor, *Journal of the American Pharmacists Association*

**Giovanni Pauletti:** Co-Chair, International Affairs Committee, American Academy of Pharmaceutical Scientists; Vice President, Co-Chair Programming Committee & Chair, Special Interest Group on Formulation Design and Pharmaceutical Technology, International Pharmaceutical Federation

**Jane Pruemmer:** Residency Preceptor Award, American Society of Health-system Pharmacists

**Georg Weber:** Chairman, three review panels, Cancer Program of the U.S. Army Medical Research and Materiel Command; Keynote Speaker, Fourth International Congress on Biomarkers and Clinical Research; Keynote Forum Moderator, Cell Science 2013

### SCHOLARSHIP ACTIVITIES RECOGNITION:

**Jill Boone:** *Partnering with Patients to Improve Chronic Pain in Primary Care*—Pfizer

**Pankaj Desai:** *Pneumocystis Murina Small Animal Model Utilization for Therapeutic Evaluations*—NIAID; *Multi-pathogen antiviral medical countermeasure...*—Inhibikase

**Pamela Heaton:** *Observational Research Methods with Secondary Data Bases*—Eli Lilly

**Gerald Kasting:** *Multiscale Theory and Computer Simulation of Skin Absorptions Phenomena*—NSF CBET; *ZnPt Dissolution and Release from Coacervates*—Proctor & Gamble; *Microfluidics of On-skin Technologies*—CADMIM/UC Irvine

**Kevin Li:** *Tiered Testing Strategy for Assessing Thermal Effects on Transdermal Products*—FDA

**Heidi Luder:** *Increasing Vaccination Rates with an Appointment-Based Pharmacy Model*—Pfizer; *Improving Care Transitions through Medication Therapy Management: A Community Partnership to Reduce Readmissions in Greater Cincinnati*—NACDS

**Yuhang Zhang:** *Molecular Modulation of Tumor-Associated Fibroblasts for Melanoma Treatment*—Melanoma Research Alliance

# Recognizing **Alumni** Achievement

## DeSalvo Alumni Achievement Award 2014

**DENNIS K. HELLING**,

PharmD, DSc, FCCP, FASHP, is the 2014 recipient of the DeSalvo



Alumni Achievement Award. Helling's selection recognizes innovations and advancements he has contributed to the pharmacy profession, including new practice models developed for today's competitive

marketplace. He recently retired as Executive Director of Pharmacy Operations and Therapeutics for

Kaiser Permanente in Denver, where he employed over 800 staff at 29 pharmacies emphasizing expanded roles for pharmacists and ambulatory clinical pharmacy services. His practice emphasis and research have been focused on documenting the impact pharmacists have on improving patient outcomes and the costs of health care.

Helling earned his BS from the St. Louis College of Pharmacy and his PharmD from the University of Cincinnati ('73). He is a Fellow of the American College of Clinical

Pharmacy (ACCP), American Society of Health-system Pharmacists (ASHP), and the APhA. He is past President of the Accreditation Council for Pharmacy Education, ACCP and the APhA Foundation board of directors. He has been an elected leader for ASHP, APhA and American Association of Colleges of Pharmacy, and is a current APhA board member. He currently serves as Vice Chairman of the board of directors of The Denver Hospice.

## Glasser Alumni Achievement Award 2014

**GARY A. THOMPSON**, BS

Pharm, RPh, PhD, FAAPS, FCP, with over 30 years of pharmaceutical



experience in clinical pharmacology and strategic drug development, is the 2014 recipient of the Glasser Alumni Achievement Award.

Thompson received a BS Pharm ('76) and a PhD in

pharmacokinetics/biopharmaceutics ('83) from the University of Cincinnati. Following graduation, he joined the Department of

Drug Metabolism at Merrell-Dow Research Institute. In 1992, he moved to Clinical Pharmacology at P&G Pharmaceuticals where he was instrumental in the development of the Pharmacokinetics Department and responsible for mentoring emerging scientists. In 2009, Thompson retired from P&G Pharmaceuticals as a Research Fellow and founded GA Thompson Consulting, LLC, where he currently serves as principal.

Thompson's interests include the practical implementation of theoretical pharmacokinetic/pharmacodynamic principles

and mathematical modeling to improve overall drug development. He has published over 100 journal articles, book chapters and abstracts in clinical pharmacology.

Thompson's contributions to clinical pharmacology have been recognized by election to Rho Chi Pharmaceutical Honor Society, a Fellowship in Clinical Pharmacology (Bobenheim am Berg, Germany) and election as a Fellow of both AAPS and the American College of Clinical Pharmacology.

## GOLD (Graduate of the Last Decade) Alumni Achievement Award 2014

**CHRIS FORG**, PharmD, a

Cincinnati native who graduated with his Doctor of Pharmacy degree from the James L. Winkle College of Pharmacy in May 2010, is the 2014 recipient of the GOLD (Graduate of the Last Decade) Alumni



Achievement Award. While at

the College of Pharmacy, Forg served as the APhA-ASP chapter president and as vice chair of the National APhA-ASP Education Standing Committee.

Forg has been with Kroger Pharmacy for 10 years, working in a variety of positions from technician to pharmacy manager. Currently, he is the pharmacy manager at one of the highest volume pharmacies in the Kroger

enterprise. In his role as manager, he received the 2013 Kroger Distinguished Manager Award.

He currently sits on the board of advisors for the James L. Winkle College of Pharmacy and serves as a preceptor for Ohio Northern University and the University of Cincinnati.



MEET ALUMNI COUNCIL MEMBER

Ryan Marable PharmD '13, RPh

ON THE FIRST DAY OF HIS NEW JOB as a community-based pharmacist for the Kroger Co. in Cincinnati, Ryan Marable, PharmD, was admittedly nervous as he traveled to his post. Once there, however, his confidence level soared.

"I didn't need to call anybody or ask for help. UC trained me to be ready on the day I was licensed, and I was ready."

Not only are UC graduates fully prepared to step into their chosen profession, Marable says, but they make connections that assist them during the training process and beyond. He, for example, was highly active in SNPhA, the student arm of the National Pharmaceutical Association, and continued membership after graduation.

"I stay in touch with the university to help those students who are going through the same academic demands that I did. Working with the alumni council provides me an opportunity to remain engaged with the college and the development of our student leaders."



Alumni Council

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BSP Pharm '73, RPh  
Pharmacist, Health South

**Norb Kinross** *Co-President*  
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Pharmacist, Medication Managers

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**Nick Barsan**  
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Pharmacist, Kroger

**Teresa Cavanaugh**  
PharmD '06, RPh  
Assistant Professor, Winkle College of Pharmacy

**Aaron Dershak**  
PharmD '04, RPh  
Pharmacist, Express Scripts

**Ryan Marable**  
PharmD '13, RPh  
Pharmacist, Kroger

**Jennifer Rudell**  
BSP Pharm '99, RPh  
Pharmacy Supervisor, CVS Pharmacies

**Andrea L. Wall** *College Liaison*  
BSP Pharm '78, RPh

**Ryan Young** *College Alumni Director*

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Jessica N. Lange
Laura E. Todd
<b>2010</b>
Ashley N. Bedel
Rachel M. Kruer
Ben Michaels
Elizabeth F. Nickell
Joe M. Wedig

\$0-99
<b>2011</b>
Hani S. Blaih
Jessica T. Cruxton
Evan M. Luksic
Matthew L. Moeller
Katherine Moore
<b>2012</b>
Virginia L. Beiting
Dena N. Hermis
Timothy P. Houser
Brittany E. Lohner
Ashley N. Martinelli
Nicholas J. Messinger
Jennifer L. Miller
Kristin A. Plott
Melinda C. Stanton
<b>2013</b>
Gary J. Davis
Yossief Haileab
Heidi R. Luder
Ryan C. Marable
Andrea R. Smith
Vandana S. Srivastava
<b>2014</b>
Rob W. Anderson
Jeremy J. Klein
<b>FRIENDS</b>
Jill M. Boone
Pankaj B. Desai
Jiukuan Hao
Daniel P. Healy
Michael A. Hegener
Ana Hincapie
Phil A. Hollingsworth
Jodie Hunter
Jianxiong Jiang
Lynn M. Johnston-Gionfriddo
Matt Kalaycio
Karissa Kim
Sara E. Lehw
Kevin Li
Joshua Lorenz
Gary R. Lutomski
Jeffrey Lutomski
Anne Metzger
James P. Murphy
Jonathan Penm
Corrine Sams
Marilyn A. Schwiars
Zhanquan Shi
Leo Shuller
Kathy L. Steele
Arnold B. Sulman
Steven Swank
Patricia A. Wigle
Erin Winstanley
Ryan A. Young
LinLi Zhou
<b>ORGANIZATIONS</b>
Medic Home Health Care
TSE Consultants, Inc.

# Snapshots

from the **Dean's Year**



*The PharmD Class of 2018, just prior to the White Coat Ceremony*

**2014  
AUG.**



*Associate Dean Andrea Wall and I participate in the ALS Ice Bucket Challenge*



*The Veteran Apothecaries Association of Cincinnati (VAAC) visits our college*

**OCT.**

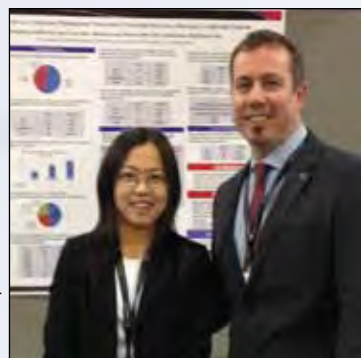
*Jim Winkle and I along with PharmD and graduate students*



*Mary Magsombol, after successfully defending her capstone project in cosmetic science*

**NOV.**

*Graduate student Yihong Deng presents a poster at the American Society of Health-System Pharmacists meeting*







**DEC.**  
*Faculty members Drs. Jill Boone, Teresa Cavanaugh, Teresa's husband Mark and I at the ASHP Past President's Banquet*



**2015**  
**JAN.**

*Visit with alumnus Frank Atterton, Class of 1953, in Florida*



**FEB.**  
*My leadership team and I at the AACP Interim Meeting in Austin, Texas*

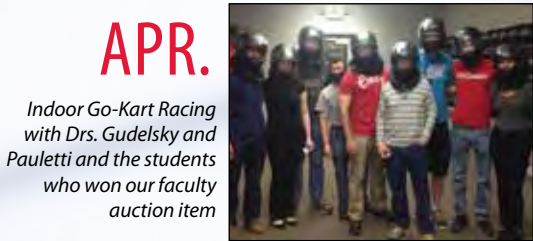


*Visit with Dr. Anne Metzger, student Liz Weaver and the medical staff at the Five Rivers Community Health Center, Dayton*



**MAR.**

*Alumni, faculty and students at the APHA Annual Conference*



**APR.**

*Indoor Go-Kart Racing with Drs. Gudelsky and Pauletti and the students who won our faculty auction item*

**MAY**



*At our Hooding and Recognition Ceremony*

# Board of Advisors

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**[Chair]**



Manager, New Business Development  
The Kroger Co.  
(Cincinnati, Ohio)

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**[Vice-Chair]**



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Walgreens Co.  
(Retired)

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Services, Mercy Health  
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Sun Chemical  
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Eureka! Ranch  
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Cincinnati Children's Hospital  
Medical Center  
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Mercy Health Partners  
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St. Elizabeth Healthcare  
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**Jennifer Rudell, PharmD**



Pharmacy Supervisor  
CVS Health  
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**Donald J. Ruwe, BS, RPh**



Ruwe Family Pharmacy  
(Ft. Thomas, Kentucky)

**Wael Safi, PharmD, RPh**



Senior Medical Affairs Manager  
Procter & Gamble  
(Mason, Ohio)

**Dorothy L. Smith, PharmD**



President and CEO  
Consumer Health Information Corp.  
(McLean, Virginia)

**Emily Soller, RPh**



Pharmacist, PBM Mail Service  
Enclara Pharmacia  
(Cincinnati, Ohio)

**David Vucurevich, BS, PharmD, RPh**



President and COO  
Genoa Healthcare  
(Mason, Ohio)

**Melca Wallace, BS, RPh**



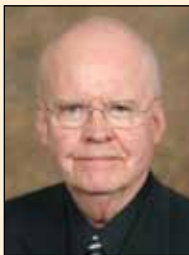
Pharmacy Director  
UC Student Health Services  
(Cincinnati, Ohio)

**Kimberly Warner, PharmD, MPH, RPh**



Medical Liaison  
Eli Lilly  
(Cincinnati, Ohio)

**James L. Winkle, BS, RPh**



Patrick Financial  
(Hamilton, Ohio)

**Chad Worz, PharmD, RPh**



President  
Medication Managers LLC  
(Mason, Ohio)

**J. Richard Wuest, PharmD, RPh**



Professor Emeritus  
University of Cincinnati  
(Cincinnati, Ohio)

**Suzanne Eastman Wuest, PharmD, RPh**



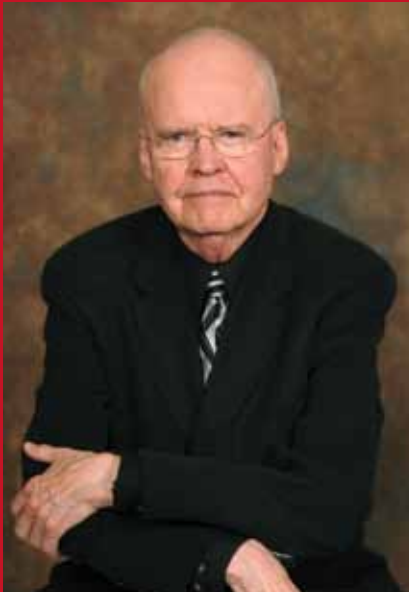
Clinical Senior Director  
Adheris Health  
(Cincinnati, Ohio)

**Andrea Wall, BS, RPh**  
*[College Representative]*



Associate Dean for Student  
and Alumni Affairs

# James L. Winkle College of Pharmacy



The college is named for benefactor James L. Winkle, a 1958 alumnus, who remains active at the college and continues to support the UC mission.

## Neil MacKinnon, Dean and Professor

### FULL-TIME FACULTY

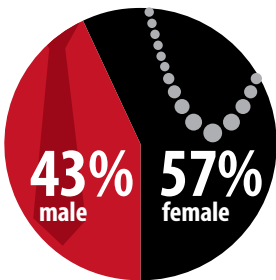
#### Pharmaceutical Sciences

Carol A. Caperelli, Professor  
Pankaj B. Desai, Professor  
Joan Garrett, Assistant Professor  
Gary A. Gudelsky, Professor, Chair  
Jiukuan Hao, Assistant Professor  
Jianxiong Jiang, Assistant Professor  
Harshita Kumari, Assistant Professor  
Gerald B. Kasting, Professor  
Kevin Li, Professor  
Giovanni M. Pauletti, Associate Professor and  
Director of Graduate Programs  
Victor D. Warner, Professor  
Georg F. Weber, Associate Professor  
R. Randall Wickett, Professor Emeritus  
Yuhang Zhang, Assistant Professor

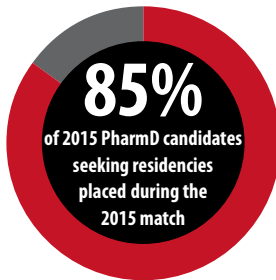
#### Pharmacy Practice And Administrative Sciences

Jill E. Boone, Professor  
Bethanne Brown, Associate Professor  
Shauna M. Buring, Associate Professor and  
Associate Dean for Professional Education  
and Assessment  
Teresa M. Cavanaugh, Assistant Professor  
Robert J. Cluxton, Professor  
Michael B. Doherty, Assistant Professor and  
Director of Experiential Education  
Kelly T. Epplen, Associate Professor  
Jianfei Guo, Professor  
Daniel P. Healy, Professor  
Pamela C. Heaton, Associate Professor and Chair  
Michael A. Hegener, Assistant Professor  
Bradley E. Hein, Associate Professor  
Ana Hincapie, Assistant Professor  
Marianne Ivey, Professor  
Karissa Y. Kim, Associate Professor  
Alex C. Lin, Assistant Professor  
Joshua Lorenz, Assistant Professor  
Heidi Luder, Assistant Professor  
Nicholas Messinger, Assistant Professor  
Anne G. Metzger, Assistant Professor  
Jane M. Pruemer, Professor  
Andrea L. Wall, Associate Professor and  
Associate Dean for Student and Alumni Affairs  
Patricia R. Wigle, Associate Professor  
Erin Winstanley, Assistant Professor



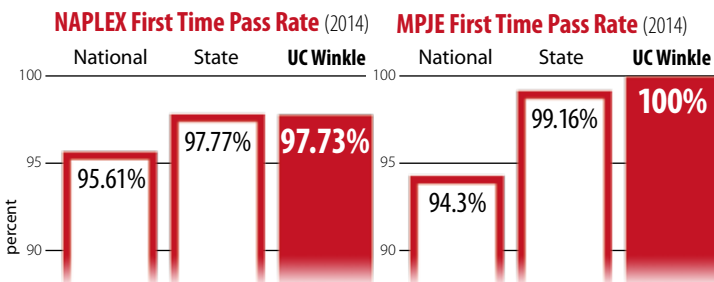


\* Class of 2014–19

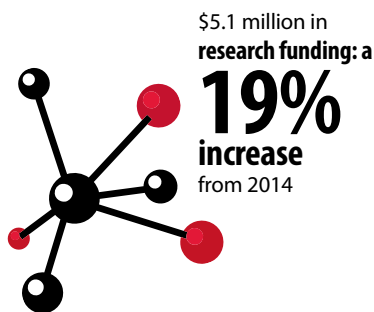


## 10 : 1 Student /faculty ratio

**Class of 2019:** Average GPA 3.5 | Average PCAT score 72 | 56 percent University of Cincinnati grads | Twenty-three percent minority students

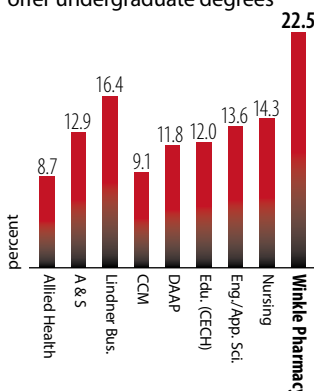


\* 2015 data not yet available

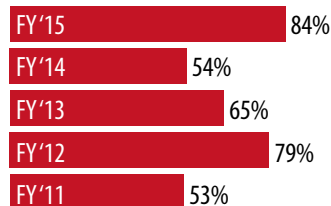


**4th oldest  
pharmacy school  
in the U.S.**

**Highest Rate  
of alumni participation**  
among all of UC's programs which  
offer undergraduate degrees



**Faculty / Staff  
participation**



To give to the college, please visit  
**[uc.edu/foundation/jlwcop](http://uc.edu/foundation/jlwcop)**

Brian Hurst  
Senior Director of  
Development  
[Brian.Hurst@uc.edu](mailto:Brian.Hurst@uc.edu)  
513-558-0907

Ryan Young  
Assistant Director of  
Alumni Relations  
[Ryan.Young@uc.edu](mailto:Ryan.Young@uc.edu)  
513-558-5570

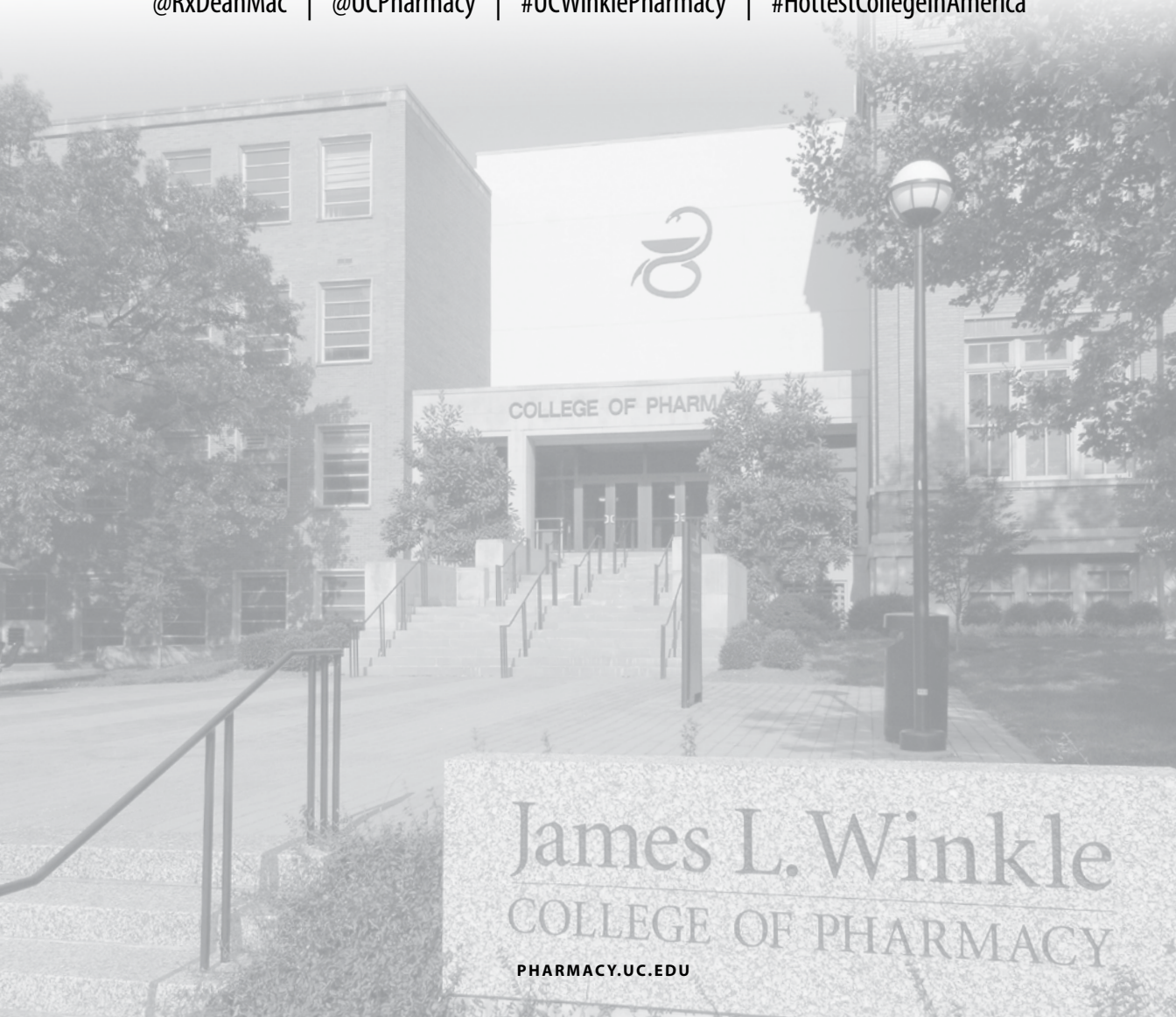


University of Cincinnati

**JAMES L. WINKLE  
COLLEGE OF PHARMACY**

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PO Box 670004  
Cincinnati, OH 45267-0004

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