

LEAD. CARE. TRANSFORM.

JAMES L. WINKLE
COLLEGE OF PHARMACY

Dean's Report 2017-2018



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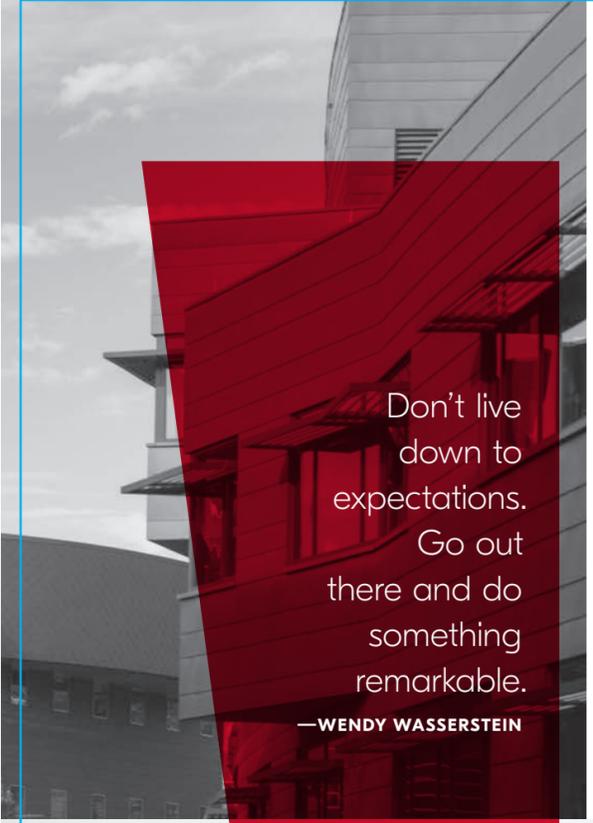
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LOOKING AHEAD

UC College of Medicine and Pharmacy students will now learn together



Don't live
down to
expectations.
Go out
there and do
something
remarkable.

—WENDY WASSERSTEIN



MESSAGE FROM THE DEAN

At the **James L Winkle College of Pharmacy**, our aim is to do the remarkable each day as related to education, practice, research and service. In this year's annual report, you will see pictures and read stories about our activities and accomplishments. We strive to lead, care and transform and to do so in a remarkable fashion.

Over the past year, the leadership at the University of Cincinnati has developed a new strategic direction called Next Lives Here. There are three main platforms, or pillars, of Next Lives Here: (1) **academic excellence**, (2) **urban impact**, and (3) **innovation agenda**. We have structured this report to correspond to these three platforms. First, we are proud of our academic excellence at the college, and we have the goal of providing exceptional education. Second, we are an urban university, located in uptown Cincinnati, and our college is having an impact on arguably the largest public health crisis facing our community, the opioid crisis. Third, our cutting-edge research is contributing to the university's innovation agenda. Research funding held by our faculty has increased from \$4.3 million in 2013-14 to \$9.7 million in 2017-18.

Beyond the statistics, programs and initiatives are the people, our faculty, staff, students, alumni and other friends of the college. Over five years as dean, I've had the opportunity to interact with many of you, and I am continually impressed by your dedication to, and love for, the college. Leadership expert Tim Elmore says, "Jobs are about making a living. Work is about leaving a legacy." I have no doubt that we are leaving a rich legacy at the college, one that can be built upon by others in the future.

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

@RxDeanMac



next
lives
here

LEAD.

Diversity is about so much more than race.

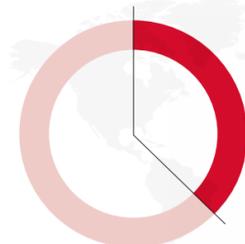
—PAT ACHOE, RPH, CDP

“It’s a Small Word (After All)”

is a magical melody about global unity and kindness—a children’s tune touted as hard to get out of your head, even for adults. Perhaps it sticks because it should, as a reminder that everyone benefits when we embody a singular culture of equity and inclusion.

“Diversity is about so much more than race,” says Pat Achoe, RPh, CDP, who joined the James L. Winkle College of Pharmacy in 2017 as director of equity and inclusion and chairs the council on diversity, made up of many voices: students, faculty, staff, health care administrators, community and corporate partners. Achoe’s role at the college is a collaboration between the college and the Kroger Co., where she worked on Kroger’s Health and Wellness team. Her position at the college is part outreach—speaking at Cincinnati’s urban public schools about the pharmacy profession—and part training, teaching pharmacy faculty, staff and students how to model a culture where everyone has the same opportunity to succeed.

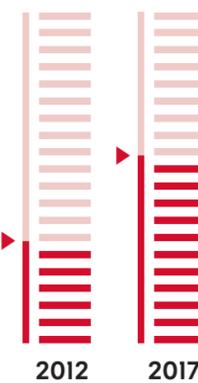
“We all have unconscious bias, but once you get here, we want you to experience an inclusive culture,” says Achoe, adding that the goal of the college is to graduate the “culturally competent pharmacist.”



Of the **96** students accepted into Doctor of Pharmacy class of 2022, **36** students reported a race/ethnicity other than white.

MINORITY ENROLLMENT

Minority enrollment has increased to **24.8%** in 2017, up from 15.4 percent in 2012.



URBAN IMPACT

St. Vincent DePaul Charitable Pharmacy

The Winkle college collaborates with: **100** pharmacy practice partners,

190 individual practice sites, most within **30** miles of UC’s urban campus.

Practice partners include **retail, hospital and long-term care pharmacies**, but we also have the privilege of working with the **St. Vincent DePaul Charitable Pharmacy**, a pharmacy of last resort for the underserved of Cincinnati.

Rusty Curington, PharmD (center), was the first pharmacy graduate to complete a residency at St. Vincent DePaul and now serves as its assistant director of pharmacy and acts as a preceptor. Lydia Baily, PharmD (left), completed her residency here in 2016 and stayed on as a clinical pharmacist and preceptor. Danielle Eaton (right) is the fifth resident to go through the St. Vincent DePaul residency program.

CARE.

To optimize care and minimize risk, we really need to change the way we offer care to our patients.

—JILL BOONE, PHARM D

Jill Boone, PharmD, is a firm believer

in getting as many experts in the room to tackle the complexities of 21st century health care.

To this end, Boone has poured her heart and mind into the team practice approach by co-authoring quality improvement research toward managing chronic pain in primary care settings. She has initiated collaborations with integrative medicine on pain management therapies, such as yoga and meditation, and co-leads a pain management telementoring program for primary care physicians. Boone also helped establish monthly group visits at the University of Cincinnati (UC) Medical Center, where the physician, pharmacist, a rotation of other experts, and patients, all meet to engage in learning best care practices from each other.

“The most impactful statement I’ve ever heard regarding the group visit model was from a patient who said, ‘This is the first time I’ve felt like a partner in my care and not a patient,’” she says.

Boone’s 35-year career started with practice in acute care and a focus on pain management, but for 15 years, she worked in both inpatient and ambulatory clinical pharmacy practice in transplantation and served as the director of transplant outcomes at UC Medical Center. Over the past five years, Boone’s passion for pain management has re-emerged through engagement in a variety of practices, including the Adult Sickle Cell Center at UC, as well as becoming active in addressing the opioid crisis through prevention efforts and research evaluating the impact of state policies and guidelines. Boone’s leadership and multidisciplinary collaborations in pain management represent her mindset: “To optimize care and minimize risk, we really need to change the way we offer care to our patients. We must offer broad treatment options, both pharmacologic and non-pharmacologic, with interprofessional expertise in innovative practice models.”



2018 **45,949**

2013 **43,000**

UC TOTAL ENROLLMENT

UC set new enrollment records for its fifth-straight year and is an exception to a nationwide trend of declining enrollment.



ACADEMIC EXCELLENCE Opioid Task Force

With the Tristate being in the middle of an especially hard hit area of the opioid epidemic, in 2017 leaders across UC’s campus and the UC Health system recognized the need to **align efforts and build greater collaboration around fighting the opioid crisis.**

Co-chairs Neil MacKinnon, PhD, dean of the James L. Winkle College of Pharmacy, and Melissa DelBello, MD, Stanley and Mickey Kaplan Chair of Psychiatry and Behavioral Neuroscience at the College of Medicine convened faculty, staff, researchers and clinicians alike, to form the Opioid Task Force.

In 2018, Boone and MacKinnon were inducted into National Academies of Practice, as distinguished practitioners and fellows in pharmacy, a subgroup of NAP.



URBAN
IMPACT

TRANSFORM.

Figuring out how tumors interact with this natural blood-brain barrier will greatly inform our choices of pharmacologics.

—TIM PHOENIX, PHD

As part of an Academic Health Center,

we believe in evidence-based medicine; where the results of research often produce an “ah ha” moment—when the facts come together to make perfect sense.

Naturally, with the college’s mission statement aligning research around cancer and neuroscience, it also made perfect sense to partner with our neighbor, Cincinnati Children’s Hospital Medical Center, to recruit Timothy Phoenix, PhD, a pediatric brain tumor researcher.

“The strong neuroscience, developmental biology and cancer research programs at UC and Cincinnati Children’s provide a great environment for junior faculty to thrive,” says Phoenix, an assistant professor whose research is specific to malignant brain tumors, rare in children and adults, but almost always deadly.

Having trained under renowned scientists at Albany Medical College and St. Jude Children’s Research Hospital, as a postdoc Phoenix discovered a unique tumor-vascular interaction that may partially explain the exceptional clinical response identified in a subset of patients.

“The field has made significant progress over the past decade in understanding the genetics that drive brain tumor development and growth. This provides an exciting opportunity to attack these tumors with new targeted therapies, but unfortunately the vast majority of these drugs do not penetrate into the brain,” says Phoenix.

Figuring out how tumors interact with this natural blood-brain barrier will greatly inform our choices of pharmacologics, he says, and learning how to potentially modulate it to allow drug entry is key to developing new, effective treatments and improving overall long-term survival.

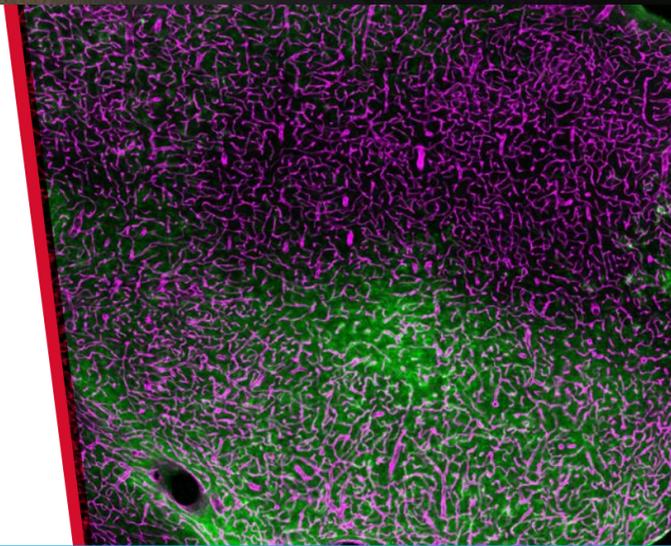


ACADEMIC
EXCELLENCE



VALUED PARTNERSHIP

We partner with Cincinnati Children’s Hospital Medical Center, ranked **#2** in the nation among Honor Roll hospitals in *U.S. News and World Reports* 2018-2019 Best Children’s Hospitals ranking.



INNOVATION AGENDA

Increased Research Funding

In August 2018, Phoenix received his **first externally funded grant** as a principal investigator to study this **key drug barrier** in a subset of deadly pediatric brain tumors known as Diffuse Intrinsic Pontine Glioma (DIPG). The 3-year, \$577,200 Career Development Grant, sponsored by the Department of Defense, is titled: “Defining and Targeting the Blood-Brain Barrier in Pediatric Glioma Subgroups.”

This is just one example of how our research funding continues to grow.



GRADUATES



INNOVATION AGENDA

Master of Science

SPRING 2018

Shantala Gangatirkar
Pamela Edmondson
Eric Renne
Eric Twum
Dmitriy Bikmayev
Chandra Ade-Browne
Bradley Henderson

SUMMER 2018

Taylor Mathis

Cosmetic Science

(MS in Pharmaceutical Sciences)

FALL 2017

Chu Chia-Yeu
Gina Guiliano
Jillian Liguori
Estibaliz Martin Aste
Phylcia Patton
Michelle Tippelt

SPRING 2018

Valdora Avery
Shantaia Covin
Alexandria Dinapoli Marzano
Dariusz Dziekonski

Pharmacy Leadership

Shelsea Hurdle
Kathleen Jillions
Cynthia Johnson
Jenny Morrissey
Christine Tilghman

SUMMER 2018

Montalee Chavious
Eunice Cofie
Adam Delson
Lynnette Greber
Alexa Guest
Michael Mastell
Kia Montgomery
Taylor Sabol
Andrea Waggoner

Doctor of Philosophy

SPRING 2018

Zack Dumont
Travis Jacob
Katelyn Johnson

SPRING 2018

Salwa Ragab
Kun Yang
Jeffrey Thompson
Gaurav Tolia
Chris Atzinger

SUMMER 2018

Amarsinh Desai

Class of 2018 PharmD Graduates

Rachelle Daun Ancona
Nelson Awondo
Alitta Jacqueline Barnett
Savita S Bathija
Christelle Iteke Biame
Maggie Elizabeth Bischoff
Kevin Donald Bisher
Micaela Marie Bresler
Zachary David Bryant
Phillip R Carnes
Timothy James Carter
Jess T. Chadwell
Darby Anne Cochran
Cara R Coleman
Andrew M Combs
Jennifer Renee Damen
Duy Thanh Dao
Elizabeth Mildred Djukic
Bianca Hyon Dodgen
Keith Edward Dolby
Theodore Joseph Dorow
Samuel Dwomoh
Amanda Katherine Fegley
Brittany Ann Fischer

Isaac John Galli
Andrew Eugene Globke
Kelsey Ann Goderwis
Eric Thomas Goodwin
Michelle Lynn Green
Jonathan Corey Hampton
Derek E Harper
Quintin Avery Hauser
Lucas Lee Hendrixson
Abigail Lee Hoff
Afnan Hoque
Brandon Scott Houseman
Dilpreet Kaur
Jesse E Keller
Steven James Kent
Andrew Yacoub Kordahi
Nicholas David Krabacher
Amanda Marie Krebs
Sarena Megan Lea
Madison Paige Lempp
Lauren Emily Lowery
Elias Malange
Philip Michael McClure
Brandon Christopher McCrea

Emily Ann Metzker
James Thomas Middendorf
Juliet Pierce Milburn
Bradley Joseph Miyagawa
Shelby Elizabeth Moore
Brooke Antonia Moorhead
Jeremiah Vernon Moss
Elizabeth N Mutters
Nikita Sreeharshan Nambiar
Kathryn Jane Neack
Tri Huu Nguyen
Charles Joseph Nuss
Jordan Ashleigh Onopa
Catlin Tewes Page
Justin David Payne
Lynette Marie Payne
Betty Petrovich
Mark Andrew Pierce
Daniel S Prampero
Cody Christian Rader
Lyndsey Alyse Riddell
Aaron Matthew Rolph
Zachary Alan Schafer
Daniel Edward Schinkal

Julie Lynn Sears
Courtney Tai Sheets
Carolyn Lyden Shortman
Nathan Siegel
Eric Hollingshead Smith
Logan Manning Stephens
Gunner James Taylor
Jessica A Thorburn
Karlie Marie Torok
Michael Jerome Trefl
Patrick Jay Turner
Richard Charles Vogel
Allison Marie Volski
Boris Vorobeychik
Kyle Rea White
Isaac David Wiegman
Zane Garrett Wilkerson
Emily Rae Willard
Olivia R Witt
Callie Wood
Marie Yasuda
Sevara Zayitova

DISTINGUISHED ALUMNI

From the College

Christopher Droege, PharmD ('08) **Graduate of the Last Decade Award**

Droege, an adjunct assistant professor, is regarded as an exemplary clinical pharmacist and is currently serving as a clinical pharmacy specialist in critical care at University of Cincinnati Medical Center. He is a dependable resource and dynamic teacher in the realm of critical care and emergency medicine. An innovative researcher, he has worked on more than 80 abstracts, grants, contracts and research projects with more than 20 publications. He participates in local, state and national professional organizations, including a recent appointment as faculty for the American Society of Health System Pharmacists (ASHP) Board Certified Critical Care Pharmacist (BCCCP) course. Droege has received a number of awards from UC Health, including Residency Preceptor of the Year in 2015 for the UC Medical Center Pharmacy Residency Program. He volunteers regularly in the community and is a generous donor to various organizations including United Way, March of Dimes and the college.

Margaret Eves, PharmD ('80) **Arthur C. Glasser Award**

Eves is a champion for diversity and is a dedicated volunteer with the James L. Winkle College of Pharmacy. Upon graduating with her Bachelor of Science in Pharmacy from UC in 1980, Eves began her extensive career with Walgreens and is currently a staff pharmacist in Cincinnati. Her belief in strengthening the profession through diversity initiatives led her to establish the college's Council of Diversity, an organization of key leaders in the college and community. She enthusiastically volunteers with the college through admissions interviews and recently assisted with a white coat redesign project. She is active with the Veteran Apothecaries Association of Cincinnati and was a charter member of the Cincinnati Pharmaceutical Association. She has received awards for her professional achievement and community service, including the Walgreens Pharmacy of the Year Award and West End Community Service Award. She also volunteers with the Hirsh Recreation Center and is a member of the Avondale Underground Theater.

Edward Zastawny, PharmD ('82) **Robert J. DeSalvo Award**

As a senior level executive with 34 years of pharmacy and clinical experience, Zastawny is known for his dedication to building and managing successful teams. His powerful combination of executive abilities and clinical knowledge fostered success during his 20-year career in the United States Air Force (USAF) and a civilian career focusing on clinical and managed care programs. He is currently the senior medical science liaison with Santen, Inc. in New Braunfels, Tx., and formerly worked for Shire, IMS Government Solutions and Novartis Pharmaceuticals after retiring from the military. Due to his impact on the USAF, its clinical excellence award was renamed the "USAF Edward Zastawny Clinical Pharmacist of the Year" award in his honor, and he is the only USAF pharmacist to be selected as Company Grade Pharmacist of the Year, Clinical Pharmacist of the Year and Field Grade Pharmacist of the Year. He earned his Bachelor of Science in Pharmacy from UC and his PharmD from the University of Texas at Austin.

From the University

Mimi Hart, RPh ('78) **UC Outstanding Alumni Award**

Hart's selfless commitment to her profession, her alma mater, its students and her community is widely revered. The owner and CEO of the Hart Pharmacy in Cincinnati, Hart has been a devoted mentor and preceptor in her college and a constant presence in the skills lab. She was named a Cincinnati Enquirer "Woman of the Year" honoree for her work with addiction treatment, primarily as a consultant pharmacist for the Center for Chemical Addictions Treatment. Her professional and volunteer efforts flow from a sense of personal responsibility to give back to others.

What we learn here never leaves us. We need to make it a priority to pass it on to the next generations.

—MIMI HART, RPH



@RxDeanMac



Neil MacKinnon, PhD
"Dean Mac"

Tweets **7,574**
Following **2,329**
Followers **2,860**
Likes **13.4K**
Lists **2**



Dean since
2013



Klout Score
64

(measure of social media impact)
highest among U.S. Pharmacy deans



Handle
@RxDeanMac



LOOKING AHEAD



UC College of Medicine and Pharmacy Students Will Now Learn Together

For the first time in the history of the University of Cincinnati's (UC) Academic Health Center, first-year students in UC's colleges of medicine and pharmacy will take a required course—together.

The two-course series (Principles in Interprofessional Collaborative Practice and Applications in Interprofessional Collaborative Practice) will begin in spring 2019 and are co-directed by Jill Boone, PharmD, and Tiffany Diers, MD. The courses are designed to acquaint students with aspects of each other's professions early on in their education and provide students the skill set to engage effectively as interprofessional teams in the workplace.

"Health care has become so complex that educators and clinicians in the health care professions are recognizing we all have a role to play, and we have to do it in the most efficient manner possible," says Boone, professor and director of interprofessional education at UC's James L. Winkle College of Pharmacy.

"We want to be able to place students with highly functioning teams in the clinical environments where they themselves are going to be practicing."

14,600 full-time pharmacy positions in clinicians' offices will be needed in 2026.

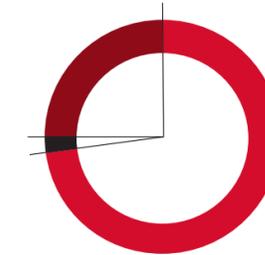
▲ **32.2%** increase from 2016

—US Department of Labor, March 2018



66% FEMALE
34% MALE

(Class of 2019–22)



73% in-state
25% out-of-state
2% international

Cincinnati ranks #8 TOP DESTINATIONS in the world to visit.

—The New York Times

\$34 MILLION RENOVATION to Kowalewski Hall.

Online MS in Cosmetic Science Program student enrollment:



Total pharmacist employment is projected to grow by 18,000 JOBS from 2018–2026.

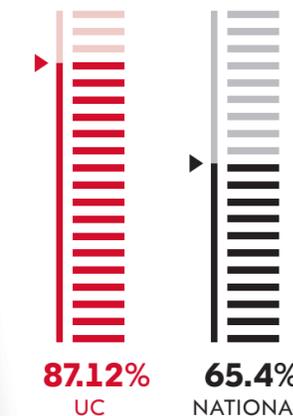
—drugchannel.net, Jan 2018

54% of PharmD students completed their undergrad at the University of Cincinnati.
(UC Main, UC Clermont, & UC Blue Ash)

\$799 MILLION Active Award Funding at UC.



PGY-1 RESIDENCY MATCH RATE 2018



TOTAL DOLLARS & DONORS INCREASED

\$1,042,504
from 524 donors (FY 2018)

\$993,546
from 485 donors (FY 2017)

5 donations above \$50,000
1 gift at \$250,000

#NextLivesHere



James L. Winkle
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**RANKED 33RD, TOP 25%
PHARMACY SCHOOL IN NATION**

—U.S. News and World Report

**RANKED 12TH
BEST PHARMACY DEGREE IN NATION**

—SR Education

**NEW PROGRAMS
LAUNCHED SINCE 2013**

- **Online MS in pharmacy leadership**
- **MS in Cosmetic Sciences in partnership with Chongqing Medical University**
- **MS in Drug Development partnership with Xiamen University, China**
- **BS/MS dual degree with co-op program in cosmetic science**