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What A Year!

BY DEAN JERRY BAUMAN, PHARMD, FCCP, FACC

As I write this this morning, the 2nd largest mortar and pestle in the world (the largest is in Spain somewhere-we checked with Guinness) was gently set into place by a very large crane in the nearly complete Pozen Plaza, fronting our college building in Chicago. Pozen Plaza was funded by an extremely generous gift from my friend and classmate (from two universities including the University of Illinois College of Pharmacy) and his wife, John (BS 1976) and Clare Plachetka, who founded Pozen Pharmaceuticals. Frankly, it's beautiful and will serve as a symbol and signature piece of our college. And for me, it serves as a personal bookend of my nearly 40 years, the last 11 as dean.

What a year! Our college continues to thrive, due in most part to our faculty and students. In contrast to some others, our applicant pool is extremely healthy and we continue to attract the very best students to become leaders in pharmacy and science. We are now one year in to our new PharmD curriculum, which brings experiential education and courses integrating clinical therapeutics and the basic pharmaceutical sciences early (i.e., P1) to the PharmD students. Since about 85% of our students enter the College with a BS degree, they are prepared to learn about the proper use of drugs and the practice of pharmacy right away. Once again nearly 100 of our P4 students and residents secured post-PharmD training experiences such as PGY1 or 2 residences or fellowships. Our match rate was approximately 75%, much higher than the national average. Many of our PharmD students have won noteworthy awards, including Marilyn Gaske P4, who was given the Student Pharmacist of the Year Award from the American Pharmacists Association.

Likewise our faculty continue to excel. This year we were ranked #5 (of 142) in total research funding among colleges of pharmacy. Just a few examples of their

recognition and stature: Greg Thatcher, PhD and Hans Valhlteich Chair of Medicinal Chemistry and Pharmacognosy was Innovator of the Year Award at UIC and Rob DiDomenico, PharmD, Associate Professor of Pharmacy Practice was awarded fellow status in the American College of Cardiology and made an inaugural member of the Board of Pharmaceutical Specialty Council for cardiology pharmacy. Noteworthy is we were able to attract Kevin Rynn, PharmD to take the leadership position of Vice Dean for our Rockford campus. As a nationally recognized figure in clinical pharmacy practice, Kevin will lead the continued growth of this campus, with further definition of its unique identity. Last we continue to dramatically (yes, I will use that word) impact the practice of pharmacy not just locally but also worldwide. Under the leadership of Alan Lau, PharmD, Professor Emeritus of Pharmacy Practice our faculty have shaped and improved the education of pharmacy students and elevated practice in many countries. I have seen it firsthand (and been humbled by it) in my travels and Alan has the frequent flyer miles to prove it.

The greatest honor of my life has been to serve our faculty and students as dean. But now is the time for refreshed leadership in the College. Again as I write this, rumor has it the search committee for the new dean has whittled down the applicant pool to 3 exceptional finalists, one of which will become the new dean. Besides being a successful full professor, being dean is the very best job in higher education (trust me, I've had a bunch of different positions here) and being dean specifically at the UIC College of Pharmacy is the very best job in pharmacy education. I know our many friends and alums who are reading our 2017 annual report will continue to support this wonderful college, as they have during my deanship.





NEWS

STUDENT NEWS

APhA-ASP Mission Outreach: Peru



International Pharmaceutical Students' Federation (IPSF) of APhA-ASP partnered with Casa de Salud Peru to perform an eight-day service trip this past summer. Students from different health professions and backgrounds came together to set up multiple clinics in the city of Iquitos, Peru. This included ten UIC pharmacy students representing both the Chicago and Rockford campuses. Daily clinics consisted of a pharmacy where vitamins and medications were distributed, general medicine, reading glass fittings, and fluoride treatment for children. Students rotated throughout different clinics to gain experience. The team then rode a boat down the Amazon River to set up a clinic in the jungle for a day.

UIC participates in the APhA Institute



The APhA Institute on Alcoholism and Drug Dependencies was held this summer because pharmacists have an important role to play in helping remedy the opioid

epidemic affecting many Americans today. Showing understanding and kindness to patients suffering from addiction is of utmost importance. Pharmacists also have a responsibility to educate members of the public about the nature of addiction to dispel the stigma associated with it. The APHA Drug and Alcohol Dependence Institute was a unique experience that gave pharmacists and pharmacy students an in depth look at the struggles of dependence. One of the most powerful parts of the conference was hearing from other healthcare professionals discuss the challenges they faced due to their addiction and taking part in addiction meetings such as Alcohol Anonymous and Narcotics Anonymous to better understand the patients. In addition, there were presentations on the treatment of addiction, debates on areas of controversy in addiction, and a hike to help us bond as patient care providers.

UIC Health Sciences Colleges March in Chicago Pride Parade



The UIC Health Sciences Colleges came together to march in the Chicago Pride Parade this June, including students from the College of Pharmacy. Roughly 70 students, staff and faculty total marchers participated. This was the first time that UI Health officially participated in the PRIDE Parade - Chicago's largest parade with an estimated 1 million plus spectators. Participants held banners highlighting UIC/UI Health achievements and support for the LGBTQ community. Here are the impressions the march made on the two of our students.

"Marching in Chicago Pride this year made me realize how far I've come in accepting myself for who I am," said Mare Chris Domingo. "This was not my first time going to Pride, but it was the first time I marched in Chicago's parade since coming out to my family. It was an indescribable feeling; being able to dance down the street without having anything to hide. This year, I let my rainbow shine with pride and learned to embrace all the love and good vibes from every person around me."

Edian Banuelos agreed. "After finishing

my 5th year as a UIC student, I was really excited when I heard UI Health was going to take part in the Pride Parade. UIC means so much to me and it feels great to be supported by the College of Pharmacy as an LGBT student. Many parade goers were excited to see UIC and cheered us on, our school is the largest in Chicago and it only seems fair we have our own float!"

Work the World - Peru



This summer Helen Sweiss teamed up with Work the World to volunteer in the oncology clinic at Hospital Goyeneche in Arequipa, Peru, a public hospital serving a very poor population. Hospital Goyeneche was the only public hospital in the region which specialized in oncology, meaning patients would travel hours to days to attend their appointments. Since most Arequipians spoke minimal English, Sweiss relied heavily on non-verbal communication and Google translator to overcome the language barrier. She realized early on that the role of a pharmacist was very limited in Peru, and the pharmacist's responsibility was limited to dispensing and scribing medications the physician mentioned during morning rounds. Pharmacists were shocked when I asked why no recommendations to the patient's medication regimen were being made.

In order to gain more clinical experience, Sweiss approached physicians and began discussions on patients. Because of this interaction with physicians, she was given the opportunity to watch oncology surgeries as well as a caesarean section. It gave Sweiss further insight into healthcare in the developing world and a different perspective into pharmacy as a whole.

Beyond the White Coat

Beyond the White Coat is a fundraising imitative started by the Rockford Class of 2018. This fundraiser gives students and faculty/staff the opportunity to develop and strengthen relationships by doing non-pharmacy activities. Staff members, Deb Fox and Doug Jankowski combined efforts and hosted students for a brewery tour in Chicago. On Saturday, June 24, Doug and the winning students trekked from Rockford and met up with Deb at Lagunitas Brewery

for a tour and an afternoon of fun! Winning students: Jeremy Wilson, Jobin Joseph, Samantha Wheeler, Megan Asher and Maura Sullivan.

COLLEGE NEWS

Haneen Ammar, PharmD 2015, welcomed her second child, Noah Yassin. Noah was born on June 21 at 1:34 a.m., weighing 8lb 7 oz. He joins big sister Sereen.



Eldred Bell, PharmD 2017, married Dr. Angela Holliday on June 10, 2017. The couple honeymooned in Montego Bay, Jamaica then went on to the Washington D.C area to start their residencies. Angela is doing her medical residency in pediatrics at Children's National Medical Center and Eldred is a PGY-1 at Inova Fairfax Medical Campus.



Emma Carroll, PharmD 2015, is now an Oncology Pharmacist at MD Anderson Cancer Center.

Sarah Cotner, PharmD 2015, is now an Infectious Diseases Clinical Pharmacist at the University of Kentucky.

Eric Goebel, **PharmD '16**, married Danielle Ellinger on May 28, 2017.

Alvin Godina, PharmD 2016, is now Clinical Associate Professor, Clinical Pharmacist at Roosevelt University.

Kyle Gordon, PharmD 2014, was recognized as Preceptor of the Year for the PGY2 Pharmacy Residency Program in Emergency Medicine 2016-2017 at Intermountain Medical Center in Provo, Utah.

Maria (Tangonan) Gordon, PharmD 2014, is now Pharmacy Clinical Services Manager (PCSM) at Walmart.

Dan Gratie, **PharmD 2017**, married Allie Johnson on June 10, 2017 at Baker Memorial Church and Hotel Baker in St. Charles, IL.



Natalia Jasiak, PharmD 2013, is now a Clinical Transplant Pharmacist at Ann & Robert H. Lurie Children's Hospital of Chicago.

Emily Kalusetsky, PharmD 2017, recently became engaged to Jacob William on May 13 at the Chicago Botanic Gardens.

Carolyn (Sharpe) Leonard, PharmD 2011, is now a Medical Science Liaison at AbbVie.

William T. Lee, BS 1972, was published in the American Journal of Heath-System Pharmacists. His report was titled "Improving Health of At-Risk Rural Patients project: A collaborative care model (IHARP)." Lee is also serving on National Advisory council for Virginia Commonwealth University, College of Pharmacy.

Yijia Luo, PharmD 2015, recently moved to Cambridge, MA and is now the Senior Associate, Global Regulatory Affairs Development – Neuroscience at Takeda.

Antonett Madriaga, **MS 2013**, is now a Senior Research Associate at Corvus Pharmaceuticals.

Scott Meyers, **BS 1976**, and wife Lana welcomed their second grandchild, Mason Meyers on May 25, 2017.

Anna Nowobilski-Vasilios, BS 1979, passed the BCNSP recertification exam and will continue to be board certified in nutrition support pharmacy through 2024.

Latha Radhakrishnan, **PharmD 1998**, got engaged on July 26 to Mill Flax.



Mark Pilkington, BS 1984, MS 1988, is now President and CEO at Claritas PSM.

Zeina Samara, **PharmD '09**, and husband Philip Bertulfo, welcomed their second child, Apollo James Bertulfo was born in late May. He joins big brother Nathaniel.

Frank Saracco, PharmD 2005, is now the Director of Medical Affairs at SB Pharma Solutions.

Jelena Saric, PharmD 2016, is now a Pharmacist at Rush University Medical Center.

Shivani Salvi, PharmD 2017, recently became engaged to Max Woolf. The big day is set for September 2, 2018.

Chris Schumpp, PharmD 2016, is now Clinical Pharmacist/Clinical Instructor in Specialty Pharmacy at UIC.

Kyle Shick, **PharmD 2007**, and wife Heather welcomed their third child daughter, Stella on May 31. She was 7 pounds and 21 inches long. Stella joins big brother Benjamin and big sister Charlie.

James Stock, **PharmD 2015**, is now a Pharmacist at divvyDOSE.



Taha Taha, PharmD/PhD student, married Lana Aziz, Rockford P2 Student, on July 8.



Tom Temple, BS 1975, and wife Cathy welcomed their second grandchild, Tori Ann in July.

Dennis and Lee West, **BS 1967 and BS 1968**, welcomed their first grandchild, Elena Lorraine West. She was born on May 10, 2017.



Jeff Wojtowicz, **BS 1983**, **PharmD 1994**, and wife Patricia became grandparents to baby Andre.



Steven Zielinski, BS 1977, is currently assisting with issues related to Duplicate Discounts and the 340B Dispute Resolution process.

International Pharmacy Summer Program



This year marked the 5th anniversary of the International Pharmacy Summer Program, which is organized by Drs. Alan Lau and Nancy Shapiro. Fifty-four international pharmacy students, faculty members, and practicing pharmacists joined us from China, Hong Kong, Macau, the Philippines, South Korea, Taiwan, and Thailand for a month-long program to learn about pharmacy education and practice in the U.S. Participants learned basic skills needed for clinical practice, such as patient education and counseling, medication history, patient case analysis and assessment, as well as literature retrieval and evaluation. Many UIC faculty members took time to come share their knowledge and experience with our visitors. A few of the many faculty members were Drs. Henry Manasse, Nick Popovich, Jennifer Pham, Christina Haaf, Shiyun Kim, James Lee, Charles McPherson, and Nina Huynh. Outside of the classroom participants enjoyed weekly dinners with faculty members and exploring all the sights and sounds the city has to offer, including museums, the beach, baseball games, Navy Pier, the Lincoln Park Zoo, Millennium Park, and lots of shopping.

OBITUARIES

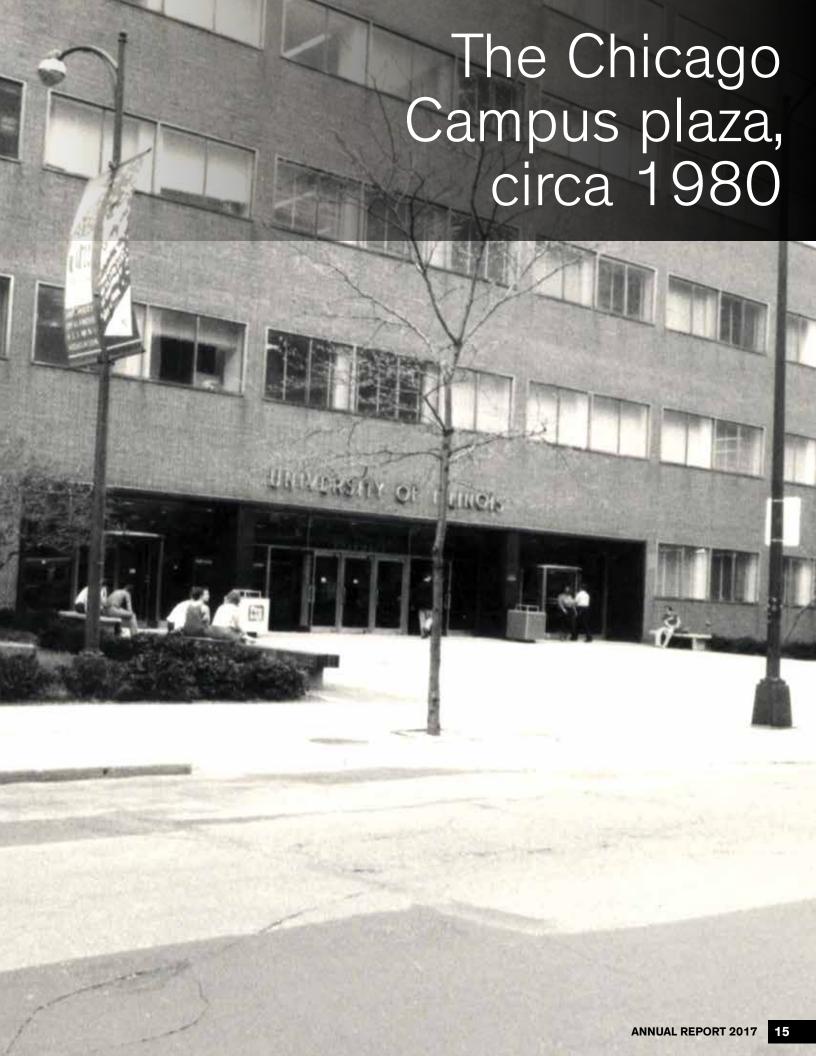
Robert S. Levinson, BS '66, MS '70, passed away on April 10, 2017.

Berj M. Varzhabedian, BS 1947,



passed away on December 21, 2016. For more than 30 years, Berj was owner of the Oriole Park Pharmacy in Chicago, providing pharmacy services to the the Oriole Park neighborhood. He subsequently joined the pharmacy staff at Swedish Covenant Hospital in Chicago, and worked there as a hospital pharmacist till he retired at the age of 83.

Robert Lucarelli, BS 1949, passed away on June 1, 2017. As a pharmacist Robert worked for independent pharmacies as well as Walgreens and Marshall Fields before purchasing his own pharmacy. He operated that pharmacy for 11 years.









Is Pharmacy For Me?

BY MANDAR KANDIL

Three years ago, a group of pharmacy students on the Rockford campus decided to initiate a pharmacy camp catered to high school students—in hopes of shedding some light on the true profession of pharmacy. The student-led camp provided inquisitive high school students a fun opportunity to experience multiple career paths in pharmacy, such as research, retail, and clinical pharmacy. Over 40 students from across the state

spent the day inputting prescriptions using a mock pharmacy dispensing program, compounding capsules and suspensions, and counseling patients on proper medication safety and use. Students also had the opportunity to visit the PhD labs to learn about the latest advances in drug discovery.

The pharmacy students that helped run the camp had a wonderful time overseeing

the activities, mentoring the high school students, and offering their insights on life as a pharmacy student. While not everyone attending was dead set on a future career in pharmacy, attending the camp provided the students with many new perspectives on pharmacy. Many of the students attested that they never knew that so many career options existed in the field of pharmacy, or that so much schooling was required! Still others inquired about how they could



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A Global Perspective

BY HELEN SWEISS

Each year more than 900 students worldwide participate in the International Pharmaceutical Students' Federation (IPSF) Student Exchange Program (SEP), and the selection criteria are strict. Only 16 placements are offered in the United Kingdom.

In the summer of 2016 I was fortunate enough to participate in a research placement in the United Kingdom. My placement was at Kingston University College of Pharmacy in Surrey. I worked with Dr. Shereen Nabhani assisting on a project which entailed compiling

information regarding interprofessional education (IPE) from universities across the UK. The goal of the project was to recognize learning needs for IPE facilitation with the purpose of creating uniform IPE training materials.

Since my time in the UK was limited to 3 weeks, my preceptor was very flexible and willing to provide me the experience that I wanted. Although assisting on the research project remained my main priority, Dr. Nabhani allowed me the opportunity to work closely with her, following her to grant meetings, participating in campus-

wide events, as well as attending a townhall meeting on the recent Brexit vote.

Having arrived in the UK on the day
Brexit was announced, my experience
was certainly unique and allowed me
to evaluate firsthand not only the UK
healthcare system, but the impact Brexit
would have on the pharmaceutical
industry. Participating in this program
has provided me with the invaluable
experience to take my pharmacy education
to an international level and to expand my
knowledge on global healthcare systems.







A Simple Question Stirs a Student's Art Project

A simple commute has turned into something much bigger for UIC Pharmacy P3 Student Myron Laban.

"I take the train every day, and you sit by this other commuter, and I don't think we acknowledge the fact that we're humans or people," Laban said.

So Laban, and friend Alex Myung, turned a daily necessity into a three-month long art project. Between June and August Laban would ask fellow CTA passengers a deceptively profound question, "If you could go back in time and give yourself advice, what would you tell yourself?"

Laban noted, "this was just a way to connect with people in the city who

otherwise you think are different, but at the same time we have a lot of similarities."

Over 100 CTA riders talked to Laban, and Myung filmed the resulting conversations. Laban then used the conversations as inspiration for a painting. Myung filmed Laban painting and edited it into the CTA conversations. The resulting film, titled "CTA Project Short Film" was released in June of 2016.

"People are interesting in general," Laban said. "And on the CTA in particular, I feel that's the most diverse space in the city. You'll get every kind of person there. Some people would be very vague with answers, but some people would get very deep."

Myung said. "It was amazing to see Myron's positive energy create a space where people felt safe to be honest and vulnerable, especially in a city that can be overwhelming at times."

In 2015 Myron's work was featured in a show sponsored by Red Bull. In 2016 the CTA project attracted the attention of the Chicago Reader's. In their annual poll the Reader nominated Myron in New Artist category. After weeks of hard campaigning, Myron was awarded the title of Best New Artist of 2016. Capitalizing on that success, Myron held a gallery show of his work in March of 2017 called "Unapologetically Weird."



Fall 2016 Dean's List

Alyshia Accardi Adeola Adediran Nimah Ahmed Patcharavi Akramunkongvanich Omar Al Shaya Tanja Alavanja Mohammed Alchaar Atheer Aldairem Mehmet Alegoz Quratulain Ali Ramsha Ali Rana Aljadeed Raniah Aljadeed Ali Alobaidi Bashaver Alshehri Nada Alsuhebany Reem Alsultan Kyle Andrews Nneka Anizoba **Emily Armgardt** Patricia Asonye Raya Atshan Elnaz Azimzadeh Mateusz Baczek

Karen Bae

Eric Baehr

Ioana Balta

Jacqueline Baker

Zachary Bannor Brandon Barringer

Busola Bawala

Daniel Benedict

Whitney Bennett

Eldred Bell

Lillian Bellfi

Paula Bielnicka Coreliss Blue Jovan Borjan Matthew Borris Shane Brandt Hannah Brennan Mitchell Broderick Kasey Brown Marek Buczynski Erin Budris Jordan Burkholder Aya Cabanban **Andrew Campos** Katrina Capapas Jeremy Capulong Kenneth Capulong Michael Carey Francisco Castaneda Kevin Castelo Jason Chan John Chan Stephanie Chang Heather Chapman Simon Chen Wendy Chen Yu-Han Chen Han-Wen Cheng Bhargavee Chhabra Anthony Chiang Irene Chiang Amy Choi Ewelina Choma Mary Choules Sing Ping Chow Caitlin Christian

Katherine Berry

Diana Chung Yeeun Chung Paul Cichon Stefanie Cisek Kathrine Rose Co Adam Conlin Meagan Conrath Jenna Crosby Lirije Culafovski Riya D'Silva Shannon Dahlgren Kaitlyn Dalton Joseph Dang Richard Daniel Zena Darhoom Patrice Davis Crystal Dedes Matthew Deraedt Sanket Dholaria John Dicristofano Ryan Digiovanni Julie Do Mare Chris Domingo Adam Doorn Shelby Duncan Hoanghuy Duong Elizabeth Eitzen Mariet Eivazi Haytham Eleissawy Lauren Endriukaitis Sandy Ezzet Kristina Falk Sviatlana Ferri Mark Florzak Katarzyna Fortuna-Garcia Haley Fox



Rachael Freeman Justyna Fydrych Grace Galatowitsch Eva Galka Ariane Ganza Yan Gao Madeline Gault Victoria Gavaghan Gergana Georgieva Thomas Gintjee Roman Godzhur **Daniel Gratie** Dylan Grillaert Sara Gubala Leena Hamadeh Kent Hanson Jenna Hashimoto Craig Hernandez Maria Hernandez Ian Hesch **Brittany Hickey** Niveen Hilal Ryan Hill Matthew Holderly Albert Hong Samuel Hong Kevin Hoshizaki An-Li Hsu Norman Huang Shirley Huang Benjamin Hung Quoc Huynh Hanna Hwang Dawn Hyatt Sabrin Jaber

Mark Jao Carlos JaraGarate Jin Hee Jo Jacob Johnson Charles Jonathas lyoung Jung Amir Kagdi **Emily Kalusetsky** Manar Kandil Weiliang Kang Justin Kapke Michelle Kapugi Natalia Kapusciak Parzhak Karimi Angelica Karpinski Katherine Katsivalis Kelly Kawabata Miriam Kazbour Farah Khan Betty Khilevich Stephanie Khin Ashley Kim Bryan Kim Hannah Kim Joolia Kim Justina Kim Timothy Kim Bikgwen Ko Nima Kohanpour Amanda Kojda Marina Koval Joanna Kozien Rebecca Kozuck Dovydas Krolis Meghan Kross

Joanna Kuczak Jenna Kunz Ryan Kurlak Myron Laban Malgorzata Labedz Johan Laker Michael Lam Si Leng Lam Denise Lamm Kirsten Larson Sajeel Latif Ana Lazarevski Edwin Le Nha Le Steven Le Alissa Lee Benjamin Lee Brittany Lee Jae Hyun Lee Jennifer Lee Michelle Lee Jamie Leone Jeremy Lerner Travis Lester Peter Leszczewicz Xinyi Li Ina Liko Po-Hung Lin Ridge Lin Angelique Lintz Kinga Lis Xuxuan Liu Chelsea Lopez Laurina Luo Phuong Dung Luong Adela Lupas



Davaajargal Luvsantseren **Andrew Macaitis** Zain Malik Mariana Mallidi **Brittany Manzoline** Katrina Marquez Victoria Marshall Magdalena Mastalerz Annita Mathew Jane McCullough Darina McDee Taylor McDonald Albert Mei Jason Mei Shirley Mei Steven Menachof Shannon Menard Kevin Meyer Iryna Mialik Nataliya Milikhiker Aimee Miller Neil Kenneth Miran Annie Mo Sandy Mo Matthew Molaei Zachary Moldwin Randie Molina Jeremy Mozwecz Nita Mukand Kyle Mysiewicz Maryam Naveed

Jonathan Nazari

Kourtney Newell

Anh Thu Nguyen

David Nelson

Rian Neuzil

Tam Nguyen Kari Nishikawa Madeleine Norris Diana Nowicki Sandra Odicho Babatunde Ogunbiyi Christopher Oh Kara Oherron Henry Okoroike **Bright Okoye** Zainab Olayiwola Uyi Osaghae Farah Osman Samantha Otto-Meyer Sandra Ovibo Marianne Palczewski Stacey Pan Gennaro Paolella Asimina Pappas Little Irene Park Mi Rae Park Yeonhee Park Peyton Partida Marissa Pasquini Alisha Patel Bhumi Patel Deval Patel Parth Patel Prital Patel Rina Patel Ruchik Patel Rupal Patel Shivani Patel Vishal Patel Yesha Patel

Phuc Nguyen

Andrew Pepin Connor Perkins Patricia Pernal Paulius Petrosius Alan Pham Elizabeth Pham Tuyen Pham **Christopher Phillips** Ryan Piantanida Dana Pierce Elmor Pineda Davis Pohly Tamara Polus Ana Popovich Andrew Posen Lauren Pratt Leo Pratt Maen Qatoum Hali Ramirez Nisaa Rattani Samona Rawal Jamie Rayahin Hauraa Raychouni Dayna Redini Anesia Reticker Michael Robles Lance Rodriguez Patrick Romano Hannah Roppo Darby Rosenfeld Niloufar Rouhanizadeh Aleksandrina Ruseva Nabiha Sabiri Rozhan Sadr Aisha Saeed Salma Salah



Iman Salim Shivani Salvi Lawrence Sanchez Ashley Santore Julia Sapozhnikov Veranika Sasnovskaya Adam Sassila Eric Saucedo Muslim Sayed Hans Scheerenberger Dana Schmelzer Philip Schorsch Frank Scillufo Jamie Seiffert Joshua Sellers Katherine Sencion Hannah Seo Steven Sessions Zaheera Shabbir Gary Shah Mohammed Siddiqui Zahra Siddiqui Zamia Siddiqui David Silva Nitya Simon Sundip Singh Annie Situ Samantha Socco Karol Sokolowski Corinne Songer Olasunbo Sorunke Hasmik Sotelo Jennifer Sotto Angeline Souvannasing Jelena Stanojevic

Nila Sturlin

Kevin Su Matthew Supple Anna Suwala Helen Sweiss Jakub Swiatek Rafia Syeda Paulina Szczepaniak Natalia Szynalik Rosemarie Tagare Diane Aurore Takouam Hardik Thakkar Aaron Then Jamie Thomas Sarette Tilton Jelena Toro Huven Tran William Trinh Declan Tuffy **Darius Tumminello** David Umali Kavya Vaitla Benito Valdepenas Charissa Valdez Kelsey Vandenberg Alina Varabyeva Nevena Varagic Liya Vazhappilly Juan Villa Amin Virani Lauren Vitrano Nevin Walker Sandra Walko Meghan Walsh Anmin Wang Yiliang Wang Kali Weber Adorable

Stephen Weisshappel Angela Weng Sarah West Samantha Wheeler Antoinette White Amber Williams Rene Williams Jeremy Wilson Brenna Wing Krystian Wojdyla Matthew Wong Zhaoju Wu Connie Yan Baker Yaseen Eric Yi Mary Youkhana Jewel Younge Kathryn Zahradnik Bryan Zarek Bing Zhao Lucy Zhong Waymond Zhou William Zhou



Spring 2017 Dean's List

Serene Abuzir Alyshia Accardi **Christopher Adams** Adeola Adediran Nimah Ahmed Patcharavi Akramunkongvanich Omar Al Shava Tanja Alavanja Atheer Aldairem Mehmet Alegoz Quratulain Ali Ramsha Ali Enela Aliaj Rana Aljadeed Raniah Aljadeed Jeffrey Allen Ali Alobaidi Bashayer Alshehri Nada Alsuhebany Reem Alsultan Kyle Andrews Nneka Anizoba **Emily Armgardt**

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Quoc Huynh

Dawn Hyatt Sabrin Jaber Sue Jackson Mark Jao Carlos Jara-Garate Joan Jin Jacob Johnson Charles Jonathas Jobin Joseph Melvin Joseph lyoung Jung Amir Kagdi Emily Kalusetsky Manar Kandil Weiliang Kang Justin Kapke Michelle Kapugi Natalia Kapusciak Parzhak Karimi Angelica Karpinski Katherine Katsivalis Nicholas Kelly Farah Khan Betty Khilevich Stephanie Khin Noor Khudeira Ashley Kim Bryan Kim Joolia Kim Sang Wan Kim Timothy Kim Katherine Kirby Bikgwen Ko Amanda Kojda Joanna Kozien

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Rebecca Kozuck Dovydas Krolis Joanna Kuczak Jenna Kunz Malgorzata Labedz Si Leng Lam Denise Lamm Kirsten Larson Ana Lazarevski Edwin Le Nha Le Alissa Lee Amy Lee Brittany Lee Jae Hyun Lee Jennifer Lee Michelle Lee Jamie Leone Peter Leszczewicz Paulina Lewkowski Ina Liko Po-Hung Lin Kinga Lis Xuxuan Liu Chelsea Lopez Jaron Lopez Phuong Dung Luong Adela Lupas Davaajargal Luvsantseren Chloe Majkowski Zain Malik Mariana Mallidi Sarah Malobabic **Brittany Manzoline** Victoria Marshall Magdalena Mastalerz



Annita Mathew Jane McCullough Darina McDee Taylor McDonald Albert Mei Diana Mei Jason Mei Shirley Mei Shannon Menard Kevin Meyer Iryna Mialik Nataliya Milikhiker Sandy Mo Noha Mohamed Zachary Moldwin Randie Molina Jeremy Mozwecz Nita Mukand Sandy Munoz Shane Murphy Kyle Mysiewicz Maryam Naveed Jonathan Nazari Jeffrey Neal David Nelson Rian Neuzil Kourtney Newell Anh Thu Nguyen Phuc Nguyen Kari Nishikawa Madeleine Norris Diana Nowicki

Sandra Odicho Babatunde Ogunbiyi Christopher Oh Kara Oherron Henry Okoroike Zainab Olayiwola Kristin Orr Farah Osman Samantha Otto-Meyer Stacey Pan Jalpa Pandya Gennaro Paolella Asimina Pappas Claire Park Little Irene Park Mi Rae Park Yeonhee Park Peyton Partida Marissa Pasquini Alisha Patel Amolee Patel Bhumi Patel Deval Patel Harsh Patel Parth Patel Prital Patel Rina Patel Ruchik Patel Rushik Patel Shivani Patel Vishal Patel Yesha Patel

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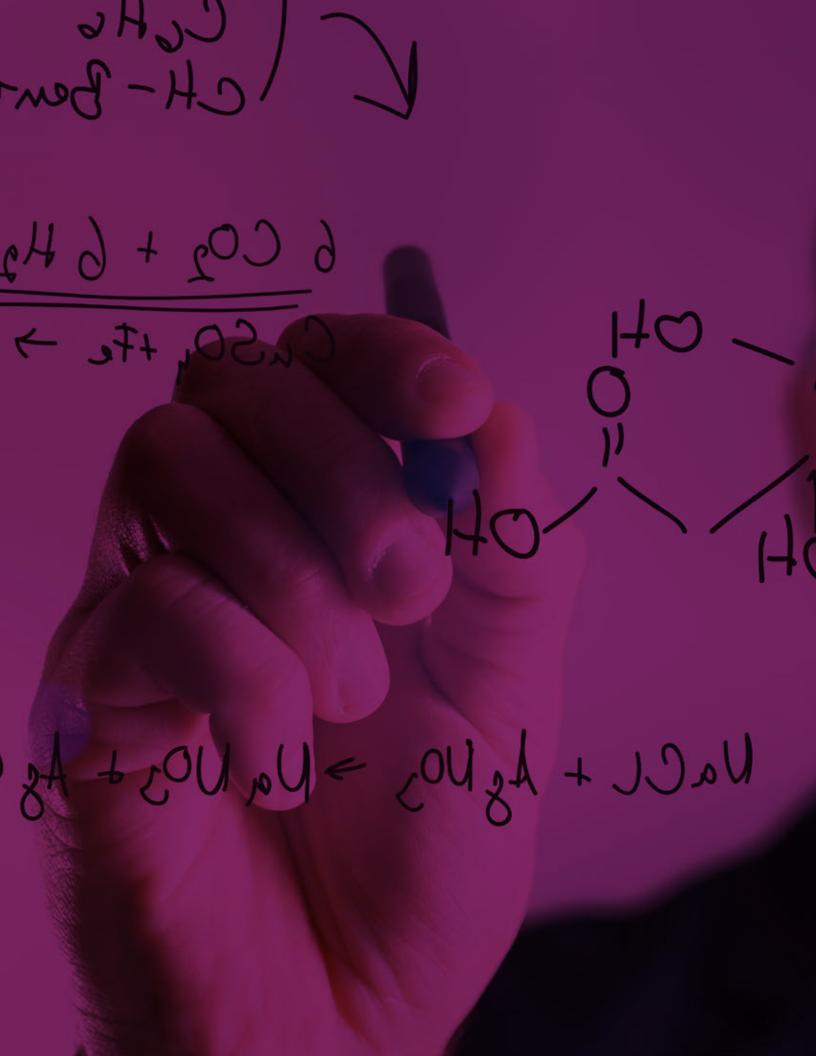


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Manipulating Signals in Bacteria Could Reduce Ilinesses

BY SAM HOSTETTLER

The University of Illinois at Chicago College of Pharmacy has received a five-year, \$1.25 million federal grant to continue its research into how bacteria that cause streptococcal infections can be manipulated.

By studying the chemical signals of bacteria, Michael Federle, associate professor of medicinal chemistry and pharmacognosy, is learning how bacteria cells communicate with one another. The research goal is to convince sicknesscausing microorganisms to remain in a nonhostile state.

Every antibiotic to fight bacteria has in some instance seen a method of resistance develop against it, he said.

"In recent years, the urgent need to identify new alternatives to antibiotics that fight bacterial infections has inspired the concept of inhibiting fundamental mechanisms of pathogenesis, rather than inhibiting processes essential to bacterial growth," Federle said.

Federle's research centers on streptococci, a group of bacteria responsible for infections such as strep throat, meningitis, bacterial pneumonia, endocarditis, erysipelas, and the "flesh eating" disease, necrotizing fasciitis. He is exploring ways to disrupt biofilms-communities of bacteria that live on a surface that are extremely resistant to antibiotics.

Federle and his colleagues have studied the molecular mechanisms of the signaling pathways in streptococci. The bacteria use small peptides-a chain of amino acids that are the building blocks of protein-that are

secreted into the bloodstream and can turn on different genes. Such peptides function as pheromones and can turn on the genes that may contribute to illnesses.

"We found several examples of these peptides, which are detected by receptors of a family of proteins called Rgg," Federle said. "We know they turn genes off and on, but we're expanding our research to discover what exactly their functions are.

"We're trying to find out if the signals—the small pheromones—of all the bacteria can be manipulated. If the bacteria are using these signaling pathways to colonize, that contributes to making a person sick. We want to see if they can be manipulated so they won't do that."

Federle's latest research will focus on understanding how pheromones interact with the Rgg proteins and how those proteins interact with DNA. He is also working to identify small molecules and peptides that specifically inhibit Rgg function. Determining the mechanistic basis of inhibitor function and identifying the structural features of those compounds will guide anti-infective drug development in the future, Federle said.

"If we can manipulate bacteria by understanding the chemical signals they use, then we can interfere with the bacteria's ability to make people sick," he said. "We'll try to fool the bacteria by artificially stimulating them."

The grant is funded by the National Institute of Allergy and Infectious Diseases, one of the National Institutes of Health.



FACULTY



Agreement saves spots for City Colleges students in UIC College of Pharmacy

BY SAM HOSTETTLER

The University of Illinois at Chicago and City Colleges of Chicago have reached an agreement that will guarantee admission of talented CCC students into the UIC College of Pharmacy, one of the nation's premier pharmacy programs.

Beginning next fall, five places will be reserved each year for qualified students who intend to complete a Doctor of Pharmacy degree. Applicants must maintain a full course load at CCC and have at least a 3.5 grade point average, have completed all pre-pharmacy coursework at CCC, and receive at least a "B" in all pre-requisite pharmacy courses.

City Colleges of Chicago is the largest community college system in Illinois and one of the largest in the nation, with 5,500 faculty and staff serving more than 100,000 students annually at seven colleges and six satellite sites across the city. Colleges include Harold Washington; Harry S Truman; Kennedy-King; Malcolm X; Olive-Harvey; Richard J. Daley; and Wilbur Wright.

"Our goal is to train professionals in a wide range of public service disciplines, serving Illinois as the principal educator of health science professionals and as a major healthcare provider to underserved communities," said UIC Chancellor

Michael Amiridis. "We have a great relationship with City Colleges and we are excited about this new partnership."

UIC College of Pharmacy Dean Jerry
Bauman said he considers the new
agreement to be "a landmark partnership,
mutually important to the UIC College of
Pharmacy and the City Colleges of Chicago.
"Pharmacy is a wonderful profession and
we are committed to improving access
for talented students from Chicago to
gain admittance to one of the very best
colleges of pharmacy in the nation, and
eventually join the profession," Bauman
said. "The partnership is congruent





Heroin's Use Rising, Costing Society More Than \$51 Billion

BY SAM HOSTETTLER

Heroin use in the United States was estimated to cost society more than \$51 billion in 2015, according to new research at the University of Illinois at Chicago.

Made from morphine, heroin is an opiate commonly used as a recreational drug for its euphoric effects. According to the World Drug Report 2016 from the U.N. Office on Drugs and Crime, heroin use has reached the highest level in 20 years in the U.S. and is the deadliest drug worldwide.

UIC pharmacoeconomists led by Simon Pickard and Ruixuan Jiang created a cost-analytic model to determine how heroin impacts society using several variables: number of imprisoned heroin users and their crimes; treatment costs of heroin abuse; chronic infectious diseases contracted through heroin abuse (HIV, Hepatitis B and C, and tuberculosis), and cost of their treatments; cost of treating newborns with medical conditions associated with heroin; lost productivity at work; and heroin overdose deaths.

The study, published in the journal PLOS ONE, found that heroin users are less productive than others due to premature death; spend more time away

from work due to seeking treatment for drug dependence and for drug-related hospitalizations, and have high rates of work absenteeism and unemployment. On average, the societal cost per heroin user per year is \$50,799. An estimated 1 million people are active heroin users in the United States, putting the total societal cost at approximately \$51 billion, said Pickard, professor of pharmacy systems, outcomes and policy. The cost per user is significantly higher than for patients suffering from other chronic illnesses, such as chronic obstructive pulmonary disease (\$2,567 per patient in 2015 dollars, or \$38.5 billion for 15 million patients) and diabetes (\$11,148 per patient in 2015 dollars, or \$248.59 billion for 22.3 million patients).

"The opioid crisis didn't happen overnight," Jiang said. The number of heroin users doubled from 2000 to 2013, rising from one per 1,000 individuals in 2000 to two per 1,000 individuals in 2013, she said.

Pickard has monitored the rise in heroin use for several years, noting that users often start taking the illicit drug after becoming dependent on prescription opioid painkillers. Due to the high cost of opioids and difficulty in obtaining

prescriptions, opioid abusers often turn to heroin, which is cheaper and easier to get. As heroin use has increased, so have overdose deaths, according to the Centers for Disease Control and Prevention. Heroin-related overdose deaths have more than quadrupled since 2010. From 2014 to 2015, heroin overdose death rates increased about 21 percent, with almost 13,000 people dying in 2015. And today, research has shown that heroin use is not confined to urban areas, but has reached rural America as well.

Without meaningful public health efforts, the number of heroin users is likely to continue to grow, Pickard said.

"The downstream effects of heroin use. such as the spread of infectious diseas and increased incarceration due to actions associated with heroin use, compounded by their associated costs, would continue to increase the societal burden of heroin use disorder," Pickard said.

Co-authors on the study were Inyoung Lee and Todd Lee of the UIC Center for Pharmacoepidemiology and Pharmacoeconomics Research.







Innovator of the Year Mixes Science, Business

BY SAM HOSTETTLER

Each year, the Office of Technology Management celebrates UIC faculty inventors. The Innovator of the Year Award recognizes researchers who have advanced their inventions toward commercialization. The Inventor of the Year Award honors researchers whose discoveries have the potential for significant impact. The awards include a \$3,500 prize and a plaque, which is prominently displayed in the hallway of the UIC Office of Technology Management.

Alzheimer's disease, neurodegenerative disorders, cancer, sleep disordered breathing. The illnesses may seem dissimilar but they have one commonality: Greg Thatcher is working to find a cure for them all.

Throughout his career, Thatcher has melded his expertise in academia and science with business. His numerous patents have led to the launch of several start-up companies whose goal is to bring drug candidates to clinical trials.

Innovation does not just come from time and effort, Thatcher said, but also money. "Venture capital financiers will tell you that ideas are 10-a-penny. In drug discovery, it will take \$5 million to \$10 million and two years to take an idea from bench to a signal that the drug has any effect in humans, and the cumulative risk of failure is over 90 percent," said Thatcher, Hans Vahlteich Endowed Chair of Medicinal Chemistry in the College of Pharmacy.

"But for an idea to have value, we must try to move the idea beyond the academic setting to become a translational technology that can potentially provide real benefit to society at large and relieve the suffering of disease, even if the risk and effort is very high."

A prolific scientist, Thatcher's expertise bridges chemistry and biology, and includes nitric oxide chemical biology, oxidative stress, protein covalent modification, and estrogen receptor modulation focusing on Alzheimer's disease and breast cancer. He has been involved in several start-up companies, the latest, TTC Oncology, with Debra Tonetti, associate professor of pharmacology.

The new company licenses agents for therapy of treatment-resistant breast cancer and an

alternate family of agents for breast cancer that have also been out-licensed. He also has several Alzheimer's disease technologies currently licensed to biotechnology companies. Both approaches to treating breast cancer were pioneered by a graduate student, Rui Xiong, proving Thatcher's mantra that smart, young trainees drive innovation.

Thatcher is also the founding director of a campus-wide center for drug discovery. The UICentre engages biomedical researchers in collaborative teams to translate ideas and inventions to small molecule, proprietary lead compounds for further drug research and development. A faculty member since 2003, Thatcher has supervised or co-supervised more than 45 graduate trainees and has been involved in pre- and postdoctoral training and education, mentoring trainees who have proceeded to leadership positions in the pharmaceutical industry, bioventures and academia.

In addition to being named Innovator of the Year, Thatcher has also been named UIC Graduate Mentor of the Year and a University Scholar.

Thatcher is currently principal investigator or co-investigator on nine active grants, funded by either the National Institutes of Health, private industry, or the Chicago Biomedical Consortium.

Jerry Bauman, dean of the College of Pharmacy, said Thatcher's work is "truly translational."

"It is extremely clear that Greg is an innovator, and I can think of no one more deserving of this award," Bauman said. "We are proud to have him at UIC and in our college."

UIC College of Pharmacy Selected for Industry Internship Program

BY SAM HOSTETTLER

More pharmacy students at the University of Illinois at Chicago will have the opportunity to gain practical experience in an industry setting, thanks to a grant from the American Society for Pharmacology and Experimental Therapeutics to create a new internship program at the UIC College of Pharmacy.

UIC, Duke University Medical Center and the University of California San Diego School of Medicine are the only academic institutions chosen by ASPET to establish a Pharmacology Industry Internships for Ph.D. Students (PIIPS) program. UIC is the only school selected to establish an eight- to 12-week summer program.

Since 2013, 29 students from the UIC College of Pharmacy have participated in industrial internships around the U.S., said Lindsey McQuade, director of research and graduate resources and project coordinator. An organized fellowship, such as the PIIPS program, to connect graduate students with pharmaceutical companies will increase this number and strengthen the partnerships with those companies, she said.

"Because over one-third of our students (36 percent) who graduate with a doctoral degree seek employment in industry, and 50 percent of students who performed internships during their degree are currently employed by pharmaceutical companies, the networking opportunities afforded by internships, along with the training in transferrable skills such as communication, management, operations and decision making, make the PIIPS fellowship an invaluable resource for the college and its trainees," McQuade said. Joanna Burdette, associate professor of medicinal chemistry and pharmacognosy and associate dean for research and graduate education, will serve as program director.

Pharmacology doctoral programs have a long and honored history of training

scientists who enter non-academic careers, including the biotechnology/ pharmaceutical industries and regulatory agencies, according to ASPET. Students increasingly embrace the view that their scholarship can have a positive impact on people's lives.

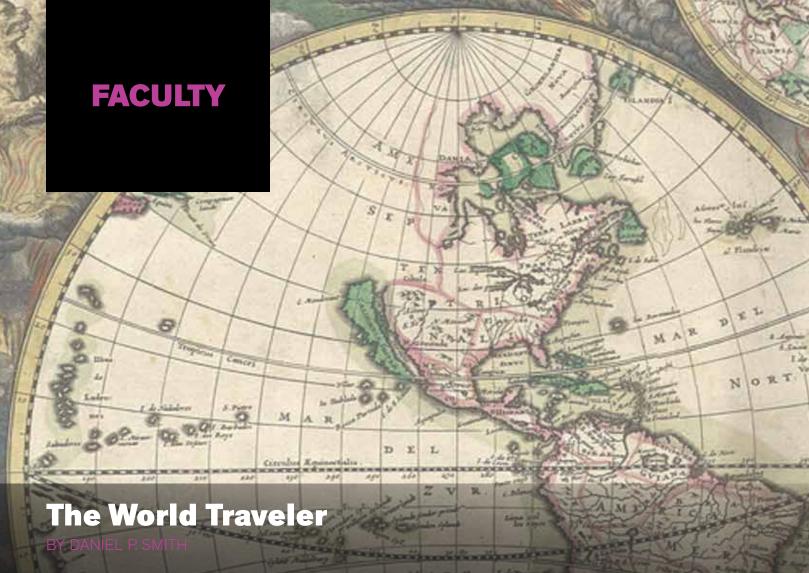
This "culture of impact" has led to a new generation of students who are academic entrepreneurs, and who need both academic and industry mentors to succeed. Short-term internships in pharma/biotech during training have always been attractive to students interested in these careers. The attraction has only increased in recent years, as full-time academic positions have become more difficult to obtain, the organization said.

Each of the three UIC students selected for the PIIPS program will receive \$7,000 (\$5,000 from ASPET, \$2,000 from the college) over the course of the internship. UIC is currently in discussions with several pharmaceutical companies that may wish to partner, McQuade said.

Pharmacy Dean Jerry Bauman said the college's goal is to provide the best possible education to its students, both inside and outside the classroom. Part of its mission is to be a global leader in improving human health and benefiting society through pharmaceutical education, research, service, and entrepreneurial activity, he said.

"The PIIPS program will enhance our students' experience and professional opportunities in the marketplace," Bauman said. "This opportunity, along with our expert and successful faculty, will be another attractive feature in recruiting talented students to our graduate programs. We're extremely excited to be one of only three institutions selected nationwide."





College of Pharmacy dean emeritus Dr. Henri Manasse Jr. represents UIC around the world and champions the pharmacist's key role in the healthcare ecosystem

In the name of pharmacy, Dr. Henri Manasse Jr. is happy to be a globetrotter.

Over the last year, Manasse, dean emeritus of the UIC College of Pharmacy and professor emeritus in the College's Department of Pharmacy Systems, Outcomes and Policy, has racked up thousands of airline miles, crisscrossing hemispheres and continents pressing for greater accountability and challenging the profession-its current practitioners, industry leaders, educators, universities and others-to be the best versions of themselves.

"Professions exist because society grants special privileges to qualified people with skills, capacity and knowledge," Manasse says. "That social accountability must be respected and we have to deliver."

An unapologetic advocate for the pharmacist's role in direct patient care and a spirited representative of UIC's heralded College of Pharmacy, Manasse carries that message of social accountability with

him everywhere he goes. It is the swift current underlying every keynote talk, every strategic session, every conversation.

"The pharmacy profession and pharmacy education is in immense flux around the world and we can't take our responsibility lightly," Manasse says. "No matter where we are, pharmacy matters."

Last September, for instance, Manasse ventured to Argentina, where he coordinated and chaired a three-day strategic planning session with university faculty, practitioners and government officials at the National University of Córdoba, Argentina's oldest university. Manasse helped the group sort through academic priorities and community needs to find areas of opportunity and transformation.

Thereafter, Manasse skipped to Buenos Aires, where he delivered a pair of presentations at the globe's preeminent gathering of industry professionals and scientists - the International Pharmaceutical Federation's

(FIP) annual World Congress of Pharmacy and Pharmaceutical Sciences. Manasse's first presentation examined how pharmacy might structure its practice and professional responsibilities to address the global burden of disease, while his second presentation focused on empowering patients, spotlighting the essential ingredients of effective disease state management.

In October, the University of Technology Sydney (UTS), an urban-based public institution much like UIC, hosted Manasse as a visiting professor and consultant. Manasse offered several lectures to faculty and students, visited local hospitals and offered a webinar for members of The Society of Hospital Pharmacists of Australia. He also laid the groundwork for a potential partnership between UTS and UIC, later returning to Sydney in May 2017 alongside UIC director of international clinical pharmacy education Dr. Alan Lau to further discuss the prospective alliance.

As the calendar turned to 2017, Manasse



accepted an invitation to speak at a conference hosted by Future University in Cairo, Egypt. There, he championed pharmacy practice and education reforms, advocating for a sharper practice model and better alignment between academic priorities and the evolving healthcare system.

"We need to prepare people to practice at a high level while interfacing with other healthcare pros," Manasse says.

Following the talk, a group of university students approached Manasse. Inspired by his ideas, they asked how they might campaign for a revised curriculum at their institution, a course of study that would be more responsive to the contemporary healthcare marketplace and patient healthcare needs.

"Their energy, passion and curiosity reminded me a lot of the students I see in the U.S. and at UIC and that's encouraging for our future's profession," Manasse says. "They'll find a better mousetrap."

Manasse's globetrotting work stands a perfect combination of his 50-year professional career that spans academia as well as a 15-year run as the CEO of the American Society of Health-System Pharmacists (ASHP), where he actively worked to promote the profession's role in patient care at hospitals and health systems.

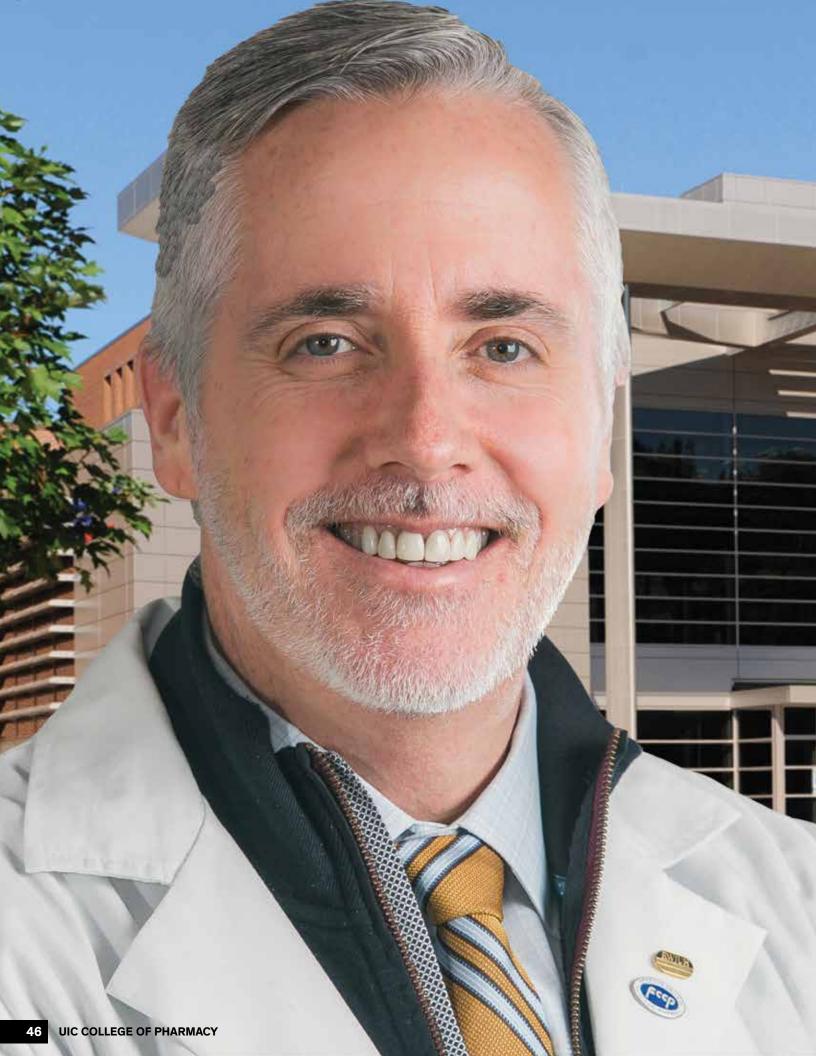
"Health priorities around the world are going to rely on the use of medications, so our profession plays an absolutely critical role, and that needs to be known," says Manasse, a former recipient of the ASHP's prestigious Harvey A.K. Whitney Lecture Award, a prize widely considered health-system pharmacy's highest honor.

And at nearly 72 years young, Manasse shows no signs of slowing. The message, after all, is too important.

This August, Manasse will visit the University of Costa Rica to help that institution's pharmacy school celebrate its 120th anniversary. While there, Manasse will offer a program highlighting the reciprocal relationship between society and universities, specifically noting how education impacts practice and patient care.

In September, then, Manasse will again be at the FIP's annual conference —this time in Seoul, South Korea—to recognize the 10th anniversary of FIPEd, an initiative he helped launch in 2007 that brings together pharmacy school deans and other academic leaders from around the world to discuss leadership, curriculum and supporting transformation in pharmacy education.

"A passion for patient care was instilled in me during my time as a UIC student and that passion remains very much alive today," Manasse says. "I'm interested in seeing countries lift themselves up and pharmacists playing a valuable role in creating a healthier world."



FACULTY

Dr. Kevin Rynn Named Vice Dean For Rockford Campus

BY SAM HOSTETTLER

Dr. Kevin Rynn rejoined the UIC College of Pharmacy as the new Vice Dean for the Rockford Regional Campus. Dr. Rynn received his BS in Pharmacy from Rutgers University and his PharmD from Duquesne University. He went on to complete his ASHP Clinical Pharmacy Residency at Allegheny General Hospital in Pittsburgh and his Emergency Medicine/Clinical Toxicology Specialized Residency and Fellowship at UIC. He currently holds board certification from the American Board of Applied Toxicology.

Dr. Rynn has extensive experience in pharmacy education, holding faculty appointments as Assistant and Associate Professor practicing in Emergency Medicine at UIC and Rutgers prior to his time at Rosalind Franklin. He has educated numerous students, PGY-1 Pharmacy Practice Residents, and PGY-2 Emergency Medicine and Critical Care Residents. Kevin was the Director of the Rutgers/Robert Wood Johnson University Hospital Emergency Medicine PGY-2 residency program for 11 years. Most recently he has been serving as Vice Dean and Associate Professor of Pharmacy Practice for the College of Pharmacy at Rosalind Franklin University of Medicine and Science.

Dr. Rynn's research has focused on the role of the pharmacist in emergency medicine and clinical toxicology. Being a board certified clinical toxicologist, his research and publications have focused on overdose management. His experience

has allowed him to mentor emergency medicine and pharmacy practice students on the benefits of pharmacy services to the emergency department team.

Kevin is a nationally visible figure in pharmacy and healthcare. He also gives back to the community through local, national, and international venues having gone as far as Ndejje, Uganda to provide HIV and Blood Pressure Screening for the Hope of Women and Children Victims of Violence. He continues to be an active leader in NABP, ASHP, AACT, and as a fellow of ACCP. His service and dedication have led to him earning the Outstanding Mentor of the Year Award from ACCP, Emergency Medicine PRN.

FACULTY

Two antibiotics fight bacteria differently than thought

SAM HOSTETTLER

Two widely prescribed antibiotics—chloramphenicol and linezolid—may fight bacteria in a different way from what scientists and doctors thought for years, University of Illinois at Chicago researchers have found. Instead of indiscriminately stopping protein synthesis, the drugs put the brakes on the protein synthesis machinery only at specific locations in the gene.

Ribosomes are among the most complex components in the cell, responsible for churning out all the proteins a cell needs for survival. In bacteria, ribosomes are the target of many important antibiotics.

The team of Alexander Mankin and Nora Vazquez-Laslop has conducted groundbreaking research on the ribosome and antibiotics. In their latest study, published in the Proceedings of the National Academy of Sciences, they found that while chloramphenicol and linezolid attack the catalytic center of the ribosome, they stop protein synthesis only at specific checkpoints.

"Many antibiotics interfere with the growth of pathogenic bacteria by inhibiting protein synthesis," says Mankin, director of the UIC Center for Biomolecular Sciences and professor of medicinal chemistry and pharmacognosy. "This is

done by targeting the catalytic center of the bacterial ribosome, where proteins are being made. It is commonly assumed that these drugs are universal inhibitors of protein synthesis and should readily block the formation of every peptide bond."

"But—we have shown that this is not necessarily the case," said Vazquez-Laslop, research associate professor of medicinal chemistry and pharmacognosy.

A natural product, chloramphenicol is one of the oldest antibiotics on the market. For decades it has been useful for many bacterial infections, including meningitis, plague, cholera and typhoid fever.

Linezolid, a synthetic drug, is a newer antibiotic used to treat serious infections—streptococci and methicillin-resistant Staphylococcus aureus (MRSA), among others—caused by Gram-positive bacteria that are resistant to other antibiotics. Mankin's previous research established the site of action and mechanism of resistance to linezolid.

While the antibiotics are very different, they each bind to the ribosome's catalytic center, where they were expected to inhibit formation of any peptide bond that links the components of the protein chain into a long biopolymer. In simple enzymes, an

inhibitor that invades the catalytic center simply stops the enzyme from doing its job. This, Mankin said, had been what scientists had believed was also true for antibiotics that target the ribosome.

"Contrary to this view, the activity of chloramphenicol and linezolid critically depends on the nature of specific amino acids of the nascent chain carried by the ribosome and by the identity of the next amino acid to be connected to a growing protein," Vazquez-Laslop said. "These findings indicate that the nascent protein modulates the properties of the ribosomal catalytic center and affects binding of its ligands, including antibiotics."

Combining genomics and biochemistry has allowed the UIC researchers to better understand how the antibiotics work.

"If you know how these inhibitors work, you can make better drugs and make them better tools for research," said Mankin. "You can also use them more efficiently to treat human and animal diseases."

James Marks, Krishna Kannan, Emily Roncase, Dorota Klepacki, Amira Kefi and Cedric Orelle, all of UIC, are co-authors on the publication. The research was funded by National Institutes of Health grant Al 125518.



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FACULTY

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US PATENTS ISSUED:

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GIVING



Christopher J. Shoemaker Assistant Dean For Advancement

LETTER FROM THE ASSISTANT DEAN FOR ADVANCEMENT

At its core, fundraising is all about people and relationships. Any project, no matter how small, is a result of the unique dynamics of the people who undertook it. Take the plaza renovation project at the Chicago campus. It began life as a run of the mill capital project funded by the college. But, after a few meetings with a willing donor, the project became POZEN Plaza. Not only did donors John and Clare Plachetka make a large gift to help us renovate the entrance to the building, the plaza will also be maintained by an endowment created by the Plachetkas. (You can read more about the Plachetkas and their amazing gift on the next page.)

That gift freed up our office to create a campaign to offer engraved bricks to friends of the college that, as of the writing of this article, are currently being laid in the plaza. The project was so well-received that we were forced to extend the deadline for submissions twice. The support from all corners of the pharmacy world was tremendous. Through your generosity, the brick project raised over \$100,000. This money is now also part of the endowment that is paying for the maintenance of POZEN Plaza.

Thanks to the Plachetkas and our hundreds of individual brick donors POZEN Plaza will

significantly enhance the experience for all faculty, staff and friends of the UIC College of Pharmacy. But its greatest impact will be on the students. And that's the singular mission of our Office of Advancement; to enhance the student experience. That comes in many forms: creating a gorgeous plaza space for them to study in, helping to make their experience more affordable through scholarships, retaining a cutting-edge clinical pharmacist or scientist with professorships and chairs, recruiting a world-class speaker, enhancing classroom technology or sending them to a conference.

It may sound trite, but Dean Bauman has said for years, what makes a great college is getting the best students and the best faculty. And some of those people you'll never even know. This year we received a \$2 million anonymous estate gift. Can you imagine that? A couple left a sizable portion of their estate to the college and want to remain anonymous.

Each year, I'm stunned by the generosity of our alums and friends. If you'd like to become one of those people, contact me at 312-996-3376 or cjshoema@uic.edu.



A boost of curb appeal

BY DANIEL P. SMITH

The College of Pharmacy's exterior receives a symbolic and dynamic facelift thanks to the generosity of alum John Plachetka and the Plachetka Family Foundation

There wasn't any moment of epiphany or lightning strike, but John Plachetka BS Pharm '76 knew just what he needed to do as he looked upon a mailer from his former classmate and current UIC College of Pharmacy Dean Jerry Bauman announcing a brick walkway campaign designed to enliven and personalize the College's West Campus headquarters.

"The walkway was a great start," Plachetka says, "but I thought, 'The original drawing had more features that could be added over time, so maybe the College could use some additional support now to complete the entire vision in one go."

Earlier this year, the Plachetka Family Foundation led by Plachetka and his wife, Clare, made a \$500,000 gift to the College, a contribution that immediately elevated the College's beautification plans and spurred the creation of POZEN Plaza outside the College's Wood Street entrance.

"This exterior project really appealed to me because it will be something that everyone can enjoy," Plachetka says.

Slated for completion this fall, the curb appeal-boosting project will replace the College's cold, dated look with fresh greenery and flowers, a new walkway, textured granite pavers in a herringbone

pattern, multiple brick seat walls and a cozy socialization area called "Clare's Corner" that will feature a sloping accent wall as well as tables and chairs for casual interaction. Memorial bricks purchased by College alumni, faculty, staff and friends will lead walkers to the enhanced entryway past the project's showpiece, a nearly five-foot tall mortar and pestle sculpture sitting atop a tiered, circular planter wall. Surrounded by greenery and flowers, LED floodlights will illuminate the symbolic sculpture that pays homage to the pharmacy profession as well as the College's history of excellence spanning more than 150 years.

The POZEN Plaza name, meanwhile, is a tribute to the North Carolina-based pharmaceutical company Plachetka founded in 1996 and took public in 2000. Over its 20-year run, POZEN pioneered a new way to conduct drug development and brought three products to market before Plachetka's 2015 retirement. When subsequent management decided to merge with another company, the POZEN name evaporated. Now, to Plachetka's delight, the POZEN Plaza name preserves the company's spirit and accomplishments for all time.

"This project is really a tribute to all the former employees of POZEN," Plachetka says. "We were, and still are, a family and I'm proud to honor the legacy of the company, which was filled with so many talented and special people."

As a diehard Chicago Cubs baseball fan, Plachetka notes that POZEN Plaza also sits just over the outfield wall of the former West Side Park that the Cubs franchise called home from 1893-1915. West Side Park housed the Cubs' last World Serieswinning team until 2016's magical title run.

"And, I must confess, that's pretty special, too," Plachetka says.

Optimistic that faculty, staff and students will be inspired by the College's modernized look, Plachetka hopes POZEN Plaza becomes a prominent gathering spot and a place for special photos using the sculpture as a backdrop—like the white coat ceremony or other College celebrations—while also serving as a physical manifestation of the College's noble roots, steadfast evolution and energized future.

"Continued sustained excellence in academia is hard to come by and I'm really proud to be a graduate of the UIC College of Pharmacy," Plachetka says. "I wouldn't have been able to accomplish what I did in business without the education and values the College provided me, which is why I'm so proud to be able to join with many other alumni to help make this new entry courtyard a reality."



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Ken Johnson Michael S. Maddux, PharmD, FCCP, RES, 1980 William S. Marth, BS, 1977, MBA Scott Meyers, BS, 1976, RPh, MS, FASHP Sarfaraz "Sarf" K. Niazi, PhD, 1974 Mark Pilkington, BS, 1984, MS, 1988 (Chair) Anthony Provenzano, PharmD, 1992 Ahnal Purohit, PhD (Former Faculty) Toni Rose, PharmD, 2004 Denise Scarpelli, PharmD, 1996 Russell Secter, BS, 1978, PharmD, MBA Claire Thom, BS, 1975, PharmD, 1982 Ron Weinert, BS, 1983 Garry Zage, RPh, BS, 1977, MS

Pharmacy Alumni Board

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Guest Speakers

Dustin Cavida Marc Cook Russ Secter Ted Gladson Huzefa Master Claire Thom Juanita Bruce Caroline Park Sheldon Kong

Sean Phillips Chris Schriever Jan Hantrakul Brian Idstein Dan Wojenski Gary Baker

Preceptors

Salma Abdul-Ghani Sindhu Abraham Laura Acevedo Kimberly Ackerbauer Joshua Adams Nital Agrawal Shakeel Ahmed Farheen Aldeen Shally Alendry Patrick Allen Rochelle Allen Sheila Allen Nicole Alvey Ali Amir **Charity Anicete** Syed Anwar Denis Antonio Pete Antonopoulos **Dorthy Ashley** Erin August Jennifer Austin Nazia Babul Bonnie Bachenheimer



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Blandina Brisku

Marissa Brokhof

Marisa Broderdorf Chad Brody Heather Bullard Tony Burda Nicholas Burge Rodrigo Burgos Kelly Burke Adam Bursua Vika Bursua John Busker Chris Butler Raymond Byrne Jacqueline Cabbiness Cynthia Cajigas Rita Campagna Maya Campara Jeff Campbell Anh Cao Erin Carson Jennifer Cepenas Isaac Cha Juliana Chan Herman Chen Aimee Chevalier Thomas Chiampas Miriam Cho Suji Choi Peggy Choye Trevor Christ Joe Cinquepalmi Donna Clay Whitney Conroy

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Angie Considine Abigail Cook Javier Cosme Diana Courtney Megan Crawford Kristin Crees Sandra Cuellar Lauren Dandeles Daniel Dangler Todd Davis Frank Debenedictis **Anthony Dennis** Nainee Desai Palak Desai Joshua Devine Steve DeVita Donna Dian Robert DiDomenico Christina Dion Dan Dispensa Scott Diveney Marlowe Djuric Kachlic Thomas Doporcyk Beatrice Drambarean Adonis Ducre James Duhig Amanda Eades Michell Ellis Laura Esposito Stephanie Fahey Olabisi Falana



Sol Farias Lane Farrell Shawn Ferguson Antonio Ferman Mickey Ferro Marita Figueras Andrew Fine Anna Fine Heather Fitzgerald Sarah Flaherty Megan Fleischman Nora Flint Lorris Fowler Mark France Mark Franklin Angela Fratto Jodi Fugate Kelly Galen Michael Gannon Danielle Gault Bruce Gaynes Ephrem Gebremedhim Richard Gemeinhart Laura Geswein Trista Giacomo Monika Gill Brian Glovack Robert Glowacki Julie Golembiewski

Kristen Goliak

Neil Gomez

Tina Grief Shellee Grim Vicki Groo Alan Gross Eric Guile Payal Gurnani Diana Gurtler Natalia Gut Patricia Gutierrez Christina Mactal Haaf Mitra Habibi Andrew Halbur Jin Han Ksenia Hankewych Sarah Hansen Amy Hanson Rebekah Hanson Charlie Hart Patricia Hartke Erica Hartwig Mike Hawbaker Starlin Haydon-Greatting Michelle Heidel Lynley Heinrich Erika Hellenbart Alice Hemenway Molly Heneghan Bora Hess Carol Heunisch Jay Hilao

Amy Hilliard Tim Ho Mark Hoppe Joan Hosang John Hubbe Jim Hudson David Huhtelin Nina Huynh Luke Hvass Alifiya Hyderi Satoru Ito Gail Itokazu Jessica Jacobson Tracie Jacobson Pat Jagelski Jennifer Jagodzinski Janina Janik Archana Jhawar Tania John Lisa Johnson Sumy Johny Katie Jost Julie Jun Amanda Kahn Brenna Kane Young Kang Seema Kapadia Ellen Keith Nicole Kenyon Angela Kerins Keri Kim



Shiyun Kim Sonia Kim Reginald King Jon Kinscherff Dan Knolhoff Melissa Kocek Michael Koronkowski Jane Kosirog-Glowacki Annette Kossifologos Sarah Kramer Ann Kuchta Mae Kung Robert Kwak Sarah Kwasigroch Sami Labib Leena Laforte Hong Lam **Emily Lamb** Laura Lane Kena Lanham Joseph LaPapa Ishaq Lat Christopher Lee James Lee Katherine Lee-Mosio Jon Lehan Tim Lehan Melinda Leigh

Joseph Levato

Carolyn Ligue

Nathan Lim

Evelina Lin Robert Listecki Jennifer Locker Fowzia Lodi Jenna Lopez Colleen Loughney Laura Lourenco Sheryl Lowery Scott Lozano Douglas Luebcke Neal Lyons Alan Mader Joseph Malesich Parag Maniar Jennifer Marcelo Michelle Martin Beth Mason Mariel Matus de la Parra Blake Max Valerie Mayorga Meghan McComb Charles McPherson Mae Medenilla Viral Mehta Scott Metzger Laura Meyer Junco Michael Mikrut Mary Kate Miller Lora Millman Que Mohring Ann Montgomery

Mary Lynn Moody Shannon Moore Thomas Moran Akane Moril Christopher Morreale Eva Morrison Jean Moy Kit Moy Jeffrey Mucksavage Kevin Murphy Tim Murrey Paul Myers Inna Nabokova-Turner Virginia Nash Mary Jane Newell Jaclyn Ng MyChau Nguyen Nhung Nguyen Rosie Trai Nguyen Zoldan Pamela Nicoski Charles Ni Imran Nizamuddin Kathryn O'Brien Jennifer Oetgen Kirsten Ohler Heidi Olson Jason Orr Jamie Ostrem Mike Pacini Christine Padjen Frank Paloucek



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Udeshi Patel Vinod Patel Gary Peksa John Perino Adrienne Perotti Amy Peters

Natasha Pettit Renee Petzel Gimbar

Charles Pfau
Jennifer Pham
Lina Piech

Brandon Pierce Steven Pinneke Rahim Pirani Ameen Pirasteh Aura Platakis Angela Plews David Plumley Paul Pluta Marianne Pop Nicholas Popovich Isabel Porto Anna Portokalis Lisa Potter Michael Poulsen

Vanessa Prorwicz-Lehnhardt

Rachael Prusi

Archariya Puangampai Christina Quillian Andrea Quinn Latha Radhakrishnan Don Radtke Claudia Rakhman Rachel Ralph

Rachel Ralph
Tara Rapp
Christine Rash
Samreena Rasheed
Sadika Rashid-Langston
Reprodukto Pay

Bernadette Ray Bill Reay Megan Rech Arathi Reddy Jane Regalado Matthew Regan Garth Reynolds Kristen Richardson Erica Richey Edward Rickert Amanda Ries Samantha Rimas Alexandra Riskus Dan Roche Molly Rockstad Ryan Rodriguez Breanne Roess Richard Rooney Shannon Rotolo Joanne Routsolias Delicia Rucker Justin Rueff Sara Samuel Kelsey Sandsmark Shilpa Sarabu Monazzah Sarwar Elizabeth Sauter Mia Schmiedeskamp Allison Schriever Christopher Schriever Kathryn Schultz Glen Schumock Tiffany Scott-Horton Ryan Seeling Brad Seiler Kelcey Semple **Emily Shafer** Jasmine Shah Kanan Shah Hanan Shahbain

Nancy Shapiro



Hilary Sheridan Samar Sheth John Shilka Maggie Sidea Steven Silverstein Maju Simon Pamela Simone Nick Sinclair Mala Singh Sam Skariah Wendy Slipke James Sluis Renata Smith Daphne Smith Marsh Jennifer Snyder Dimmy Sokhal Sarah Sokol Judy Sommers-Hanson Hailey Soni Nisha Soung Samantha Spencer Jennifer Splawski Sara Stahle Katie Steel Chris Steffensen Jennifer Steffensen Erica Stevens Natasa Stevkovic Pearl Stier

Jennifer Stoiner

Katherine Shea

JoAnn Stubbings Nicholas Super Rolla Sweis Karen Sweiss Tolu Taiwo Maria Tangonan Trupti Tanna Anthony Tardi Eljim Tesoro Arti Thakkar Mathew Thambi Jim Thielke Lida Thimothy Allison Thompson Lisa Thompson Jessica Tilton Pete Toke Eris Tollkuci Judith Toth Matthew Toth Dan Touchette Chieu Tran Phuong Tran Dimitra Travlos Rich Tremmel Karen Trenkler Lauren Trisler Linda Tung Caitlin Turnbull Ellen Uppuluri

Paul Stranges

Leena Vajaria Mindy Varghese Christy Varughese Ronak Vora Sheila Wang Patrick Waters Kristen Welsh Richard Wenzel Patricia West-Thielke Angela White Sarah Wieczorkiewicz Lori Wilken Scott Wirth Robert Wittenberg Anita Wong Carl Wright David Wyman Renee Xamplas Charlene Yang Deniz Yavas Brent Yeager Barbara Yim Lisa Young Jason Yuen Shehla Zaidi Magdalena Zasadzki Slater Martha Zavala Kevin Zebarth Robin Zhou Mike Zidek Bryan Zobeck



ICHP Student Leadership Retreat

Co-sponsored the retreat along with ICHP chapters from Chicago State University, Midwestern University, Rosalind Franklin University, Southern Illinois at Edwardsville, Roosevelt University and St. Louis College of Pharmacy.

SNPhA Annual Meeting

The Annual Fund paid for the hotel accommodations that allowed a student to attend this meeting in Atlanta.

MuPhSA's 2017 Fast-a-Thon

As part of the Muslim Pharmacists
Associations' annual Fast-a-Thon
an event was held to address
misconceptions about mental illness.
The event was called "Paint Your
Mind" and featured individual students
paintings on what depression
looked like to them. The Annual
Fund paid for the art supplies
that made the event possible.

NCPA Business Plan Competition

The Annual Fund provided parking passes for the judges of the event.

ICHP Internship Fair and Residency Roundtable

These two events, sponsored by the Annual Fund, were a chance for students to network and share information on the topc of the day.

SNPhA Banquet

The cost of the venue was offset by the Annual Fund.



Legacy Achievement Award Winners

The Legacy Achievement Awards honor individuals who have left an invaluable and lasting impression on the college and the pharmacy profession as a whole. The awards will honor the longstanding history of the college by celebrating its tradition of

excellence in research, pharmacy education, pharmacy practice and administration at the college, state and national level—and beyond. In order to recognize all the parts that make the college whole, nominees can be—but are not limited to—alumni, donors

and faculty (current and former) of the college. Those inducted into the this select group are memorialized within the college on the "Wall of Fame".



Robert Atkins, MD and Connie Atkins

AA retired surgeon in Champaign and alumnus of the College of Medicine, Dr. Atkins established The Dorothy Bradley Atkins Medicinal Plant Garden, a memorial to Robert's late wife Dorothy as a benefit to the college and City of Chicago. Dorothy loved plants and had a longtime interest in pharmacognosy as a daughter of a pharmacist and graduate of the College.

William Baker Day, PhG

A 1872 graduate of the Chicago College of Pharmacy, which would later become UIC College of Pharmacy, the former dean helped convince the University of Illinois Trustees to re-locate the college to the West Side of Chicago with the other health disciplines. This ultimately led to the change from a school of pharmacy to the College of Pharmacy.

Ludwig Bauer, PhD

Dr. Bauer was appointed as a faculty member in 1955. He served on our faculty for more than 40 years receiving numerous awards for excellence in teaching. His research focused on the discovery of new medicinal-organic compounds with the aim to synthesize and develop new medicinal agents. His work was honored with the establishment of the Ludwig Bauer

Fellowship in Medicinal Chemistry, an endowed, program-specific competitive fellowship created by Pfizer, Inc. in recognition of his many accomplishments.

Robert Dickman, BS

A 1951 graduate of the college, Mr. Dickman served his country in two wars, WWII (Navy) and Korean War (Army), and a number of communities, in various roles as a pharmacy director as well as volunteer. He generously supported the development of facilities and equipment at the college with the establishment of the Robert M. Dickman Endowment for Pharmacy Fund.

Lawrence "Laurie" DuBow

Mr. DuBow was a 1953 graduate of the College of Pharmacy and was engaged in wholesale drug business and pharmaceutical sale and marketing for 40 years. He has been involved in such diverse activities as consulting at Ranbaxy Pharmaceuticals and serving on the Super Bowl XXIX host committee. DuBow was the former partner in the Jacksonville Jaguars football team. Currently he sits at the head of the DuBow Family Foundation.

Albert Ebert, PhG

A beloved Chicago pharmacist, Mr. Ebert solicited aide after the college burned in 1871 due to the Great Chicago Fire. Because of his worldwide reputation, the college received gifts from all over the globe to rebuild. He also led initial efforts to merge with University of Illinois. The Ebert Prize, given by APhA, is the oldest pharmacy award in the nation.

Norman Farnsworth, PhD

Returning to academia with a well-defined approach to achievement, Professor Farnsworth established the Program for Collaborative Research in Pharmaceutical Sciences, a model for research. An international pharmacology expert, he has dedicated his career to investigating plant sources for anti-tumor agents, cancer chemopreventitive agents, and anti-HIV agents just to name a few. In 2008, Professor Farnsworth partnered with natural products entrepreneur Tom Chappell of Tom's of Maine to establish the colleges first-ever endowed professorship, the Norman R. Farnsworth Professor of Pharmacognosy.

Jane Hsiao, PhD, MBA

Upon receiving her PhD in Pharmaceutical Chemistry from UIC in 1973, Dr. Hsiao's career



highlights include significant entrepreneurial and scientific achievements such as numerous executive positions within the pharmaceutical industry. She greatly impacted student lives with the creation of the Jane H. Hsiao National Taiwan University Doctorate Development Fund which utilizes UIC faculty to establish a pharmacy education program in Taiwan.

Richard A. Hutchinson, PharmD

Richard was Professor and Chairman of the Department of Pharmacy Practice and former Director of Hospital Pharmacy. A 1967 graduate of the University of Michigan School of Pharmacy, Dr. Hutchinson also completed a hospital pharmacy residency there in 1968. Dr. Hutchinson played a critical role in establishing the clinical and hospital pharmacy programs for which the UIC College of Pharmacy is well-known today. His primary area of research in his career was the establishment and audit of the minimum standards of clinical practice.

Henri Manasse, PhD

Dr. Manasse served as dean for twelve years and then as Interim Vice Chancellor for Health Services. Under his leadership, the college experienced significant growth in research and marked emphasis on clinical education. He

eventually would become the executive vicepresident of the American Society of Health-System Pharmacists where his experience and expertise would serve to heighten medication therapy's safety and efficiency.

Dan Nona, PhD

A three-time graduate of the college, Dr. Nona was appointed as a faculty member in 1967. He eventually accepted a position as the Executive Director of the American Council on Pharmaceutical Education. Dr. Nona's 25 year service to ACPE witnessed significant leadership and vision, with these contributions noted by his receipt of the American Pharmaceutical Association Remington Honor Medal.

Fred Siegel, PhD

With both a MS and PhD from the college, Dr. Siegel was appointed to our faculty in 1958 and served the college until 1992. Dr. Siegel represents the highest caliber of pharmacy education and serves as a lasting example of what this award represents. In addition to his service to our students, he has served as a product development consultant to the pharmaceutical, cosmetic and hospital supply industries.

Jack Stites, BS

A 1952 graduate, Mr. Stites served Macomb, III. as owner and operator of Stites Medicine Shoppe Pharmacies for 45 years. In addition to serving a number of area non-profits, he was elected to the Illinois State Board of Pharmacy by Governor Jim Edgar on which he served for five years as the vice-chairman. The Margaret Stites Memorial Scholarship was established by Mr. Stites to honor his wife and serve as a scholarship for students with a demonstrated interest in drug abuse prevention.

Hans Vahlteich, PhC, PhG, PhD

A graduate who received his PhC in 1917 and PhG in 1918. Dr. Vahlteich spent most of his career at Best Foods, Inc. where he patented work in the selective hydrogenation of domestic vegetable oils that accelerated the development and public acceptance of margarine and mayonnaise. The college's first endowed chair was named in Dr. Vahlteich's honor by a generous gift from Beverly Delaney, Dr. Vahlteich's daughter.

2017-2018 Calendar

Calendar of Events

October 14

Reunion Maggiano's Oak Brook

November 12-16

AAPS Annual Meeting and Exposition in San Diego, California

November 28

Giving Tuesday

December 3-4

ASHP Midyear Clinical Meeting in Orlando, Florida

Calendar of Events

February 9

Seventh Annual Research Day

March 16-19

APhA Annual Meeting in Nashville, Tennessee

April 5

Sixty-sixth Annual Honors Convocation

May 10

Commencement

May 19-23

ISPOR Annual Meeting in Baltimore, Maryland

2017