

2021



UB University
at Buffalo®

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SCHOOL OF PHARMACY AND PHARMACEUTICAL SCIENCES
C O M M E N C E M E N T

Saturday
May 15, 2021
5:00 PM
Commencement Pavilion
North Campus



Baird Point is an outdoor, Greek-style amphitheater located on the southern shore of Lake LaSalle. It was a gift to the University from the Baird Foundation and the Cameron Baird Foundation. The marble columns on the concrete platforms were once part of the old Federal Reserve Bank in downtown Buffalo. Following their relocation to the lake, the columns were dedicated as a memorial to servicemen and servicewomen.

Program

Pomp and Circumstance

by Sir Edward Elgar

Opening Declaration

Robert S. Miletich, MD, PhD
Mace Bearer

*Chair of the Faculty Senate and Professor of
Nuclear Medicine and Neurology*

Master of Ceremonies

Jennifer Rosenberg, PhD
Associate Dean

*Admissions, Enrollment Planning &
Pre-Pharmacy Advisement
School of Pharmacy & Pharmaceutical
Sciences*

National Anthem

Anna Fernandez, BFA '21

Introductions

Greetings

Satish K. Tripathi, PhD
University President

Remarks

James M. O'Donnell, PhD
Dean

*School of Pharmacy & Pharmaceutical
Sciences*

Conferral of SUNY Honorary Degree

C.K. "David" Chu, PhD '75

*Distinguished Research Professor Emeritus,
University of Georgia*

Eunice A. Lewin

*Member of the State University of New York
Board of Trustees*

Satish K. Tripathi, PhD

University President

Remarks

Brenna Gelen

President, PharmD Class of 2021

Recommending Candidates for Degrees

James M. O'Donnell, PhD

Dean

*School of Pharmacy & Pharmaceutical
Sciences*

Conferring Degrees

A. Scott Weber, PhD

*Provost and Executive Vice President for
Academic Affairs*

Alma Mater

Anna Fernandez, BFA '21

Closing Declaration

Robert Miletich, MD, PhD

Recessional

Selections from Pomp and Circumstance

by Sir Edward Elgar

SUNY Trustee and UB Officials

Eunice Ashman Lewin

Member of the State University of New York Board of Trustees



President and co-founder of Impacto Consulting Associates, Eunice Ashman Lewin joined the SUNY Board of Trustees in February 2010. She helped reinstate the Student Life Committee, on which she is co-chair. In that capacity,

she spearheaded the creation of the Food Insecurity and the Mental Health task forces. Lewin serves on the board's Executive Committee and the committees for academic affairs, communications and external affairs, community colleges, and academic medical centers and hospitals.

A former commissioner of the Niagara Frontier Transportation Authority, Lewin was a founding member of the Roswell Park Alliance and a board member of the Buffalo Urban League and Hispanics United of Buffalo. She is a member of the Hispanic Women's League and the Greater Buffalo Racial Equity Roundtable. Earlier this year, she was named to the Western New York Health Equity Task Force to coordinate vaccine distribution for the region's counties.

A retired bilingual social worker for the Buffalo Board of Education, Lewin is a champion for STEM education.

Born in Guantanamo, Cuba, Lewin immigrated to the U.S. with her family in 1967. She holds a bachelor's degree in sociology from Marymount Manhattan College and master's degrees in American and Puerto Rican studies, and in educational administration, from UB.

Jeremy M. Jacobs

Chairman of the University at Buffalo Council



Jeremy M. Jacobs was appointed to the UB Council in 1997; in 1998, then-Gov. George Pataki named him chairman. Jacobs is chairman of Delaware North, a global hospitality company with customers in the United

States, Australia, New Zealand and the United Kingdom. The company's operations include food and retail at airports and sports venues, sports facility ownership and management, operations of parks and major tourist attractions, hotel ownership and management, gaming operations and fine dining.

Jacobs owns the Boston Bruins and serves as chairman of the National Hockey League's Board of Governors. In 2018, he received the sport's highest honor when he was inducted into the Hockey Hall of Fame.

An alumnus of UB's School of Management and Harvard Business School's Advanced Management Program, Jacobs holds honorary doctorates in humane letters from UB, Canisius College, Niagara University and Johnson & Wales University. In 2015, his family donated \$30 million to advance UB's medical school, which was renamed the Jacobs School of Medicine and Biomedical Sciences.

Jacobs has served Western New York for more than four decades with his business expertise and philanthropic leadership, and Delaware North has received multiple awards for social responsibility, community service and environmental stewardship.

A longtime friend and supporter of UB, Jacobs has served as chairman, trustee and director of the UB Foundation, chairman of the President's Board of Visitors and adviser to the School of Management.

Satish K. Tripathi

University President



An internationally distinguished researcher and higher education leader, Satish K. Tripathi, PhD, is the University at Buffalo's 15th president.

Tripathi, who served as UB's provost from 2004-2011, was dean of the Bourns College of Engineering at the University of California-Riverside from 1997-2004. Previously, he spent 19 years as professor of computer science at the University of Maryland, including seven years as department chair.

Tripathi graduated at the top of his class from Banaras Hindu University (BHU). He holds a master's degree and a doctorate in computer science from the University of Toronto, as well as master's degrees in statistics from the University of Alberta and BHU. A fellow of the IEEE and the American Association for the Advancement of Science, he holds honorary doctorates from the Indian Institute of Information Technology, Allahabad, and Brock University in Canada.

A leader in the national higher education community, Tripathi serves as chair of the Mid-American Conference Council of Presidents and on the boards of the NCAA Division I, NCAA Board of Governors and College Football Playoff Board of Managers. A member of Gov. Andrew Cuomo's Reimagine NY Commission, he has served on the boards of the Association of American Universities, the Association of Public and Land-Grant Universities and the Council for Higher Education Accreditation. In 2011, Gov. Cuomo appointed Tripathi inaugural co-chair of the Western New York Regional Economic Development Council, a position he held until 2017.

A. Scott Weber

*Provost and Executive Vice President
for Academic Affairs*



As provost and executive vice president for academic affairs, A. Scott Weber, PhD, serves as the university's chief academic officer, responsible for leading the development and implementation of the

university's academic vision. Weber provides leadership across the academic enterprise including research, scholarship and creative activities; undergraduate, graduate, professional and international education; faculty development; diversity and inclusion initiatives; and university libraries.

A member of UB's faculty since 1983, Weber is an innovative scholar and teacher and former chair of UB's Department of Civil, Structural and Environmental Engineering, where he helped establish UB's transportation engineering program and oversaw the department's significant rise in national rankings among U.S civil engineering programs. Weber has held progressively responsible administrative roles at UB, including senior vice provost and vice provost for academic affairs, where he was instrumental in the creation of the UB Curriculum and the nationally recognized Finish in 4 program; and vice president for student life, where he focused on enhancing the student experience on campus and promoting overall student wellness.

Weber's research focuses on biodegradation of chemicals in water and soil and the reclamation of environmentally impacted brownfield sites. He earned bachelor's and master's of science degrees in civil engineering from Virginia Polytechnical Institute and a PhD in civil engineering from the University of California, Davis.

Michael E. Cain

*Vice President for Health Sciences
Dean of the Jacobs School of Medicine
and Biomedical Sciences*



Michael E. Cain, MD, came to the University at Buffalo in 2006 from Washington University School of Medicine in St. Louis, where he was director of the Cardiovascular Division and Tobias and Hortense Lewin Professor of Medicine.

Cain is a graduate of Gettysburg College and received his medical degree from George Washington University School of Medicine and Health Sciences. He completed training in internal medicine and cardiology at Barnes-Jewish Hospital/Washington University School of Medicine. He was a clinical/research fellow in clinical cardiac electrophysiology at the University of Pennsylvania School of Medicine.

An internationally recognized physician-scientist, Cain specializes in cardiac electrophysiology, the examination of the heart's electrical system. He is a translational researcher, clinician and educator. His research, funded by the National Institutes of Health, has been directed at the electrophysiological determinants of ventricular tachycardia and fibrillation in the setting of healed myocardial infarction.

Cain is a fellow of the American College of Cardiology, the American Heart Association and the Heart Rhythm Society. He is a past president of the Association of Professors of Cardiology and the Heart Rhythm Society, and past chair of the board of directors of The Sarnoff Endowment for Cardiovascular Science.

He has received the Hans-Peter Krayenbuehl Memorial Award for Research in Cardiac Function from the International Academy of Cardiology, the American Heart Association's Arthur E. Strauss Award, the 2012 Resident/Fellow Achievement Award from Washington University School of Medicine and the 2013 Leadership Buffalo Value Award for Inclusion.

James M. O'Donnell

*Dean of the School of Pharmacy and
Pharmaceutical Sciences*



James M. O'Donnell, PhD, joined the university in 2013 as the 11th dean of the School of Pharmacy and Pharmaceutical Sciences. He is a professor of pharmaceutical sciences

with a joint appointment as professor of pharmacology and toxicology. He received his Bachelor of Science in psychology from Carnegie Mellon University and a doctorate in pharmacological and physiological sciences from the University of Chicago; he completed postdoctoral training in neuropsychopharmacology at the University of Pennsylvania.

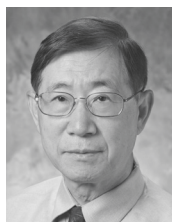
His research has focused on the relationship between the neurochemical and behavioral effects of drugs used to treat neuropsychiatric illnesses. He has served on NIH review panels in the neuroscience and drug discovery areas and editorial boards for scientific journals. He is a fellow of the American Association for the Advancement of Science and the American College of Neuropsychopharmacology and has chaired the Gordon Research Conference on Cyclic Nucleotide Phosphodiesterases.

O'Donnell has taught professional and graduate students in pharmacology and neuroscience and provided research mentorship to undergraduate, graduate and professional students, residents, postdoctoral fellows, and junior faculty members. He served as director of an NIH-supported T32 grant, providing predoctoral research training at the interface of behavioral and biomedical sciences.

SUNY Honorary Degree

C.K. “David” Chu, PhD ’75

Distinguished Research Professor Emeritus, University of Georgia



C.K. “David” Chu, PhD, is internationally renowned for his seminal work in antiviral and anticancer drug discovery. He has developed numerous therapeutic agents to treat a wide array of conditions, including shingles, hepatitis B, HIV and cancer. Chu’s highly regarded research has brought antiviral drugs to clinical practice and improved the lives of countless patients worldwide.

Professor and director of the Drug Discovery Group at the University of Georgia for 40 years, Chu has been awarded more than 60 U.S. and 100 international patents. He co-founded the companies Pharmasset and ATEA Pharmaceuticals, which explore novel antiviral therapeutics. An elected fellow of the American Association for the Advancement of Science and the National Academy of Inventors, Chu received a 2001 MERIT Award from the National Institutes of Health, which is awarded to fewer than 5 percent of NIH investigators. He also received the Anthony Holy Award from the International Society of Antiviral Research, the John Montgomery Award from the International Round Table Society for his work in nucleosides and nucleotides, and a Distinguished Alumni Award from Seoul National University.

Deeply committed to future generations of pharmacy scholars and students, Chu and his wife, Jane—who are both UB alumni—have generously supported research and education in UB’s School of Pharmacy and Pharmaceutical Sciences. In recognition of the profound impact his research has had on the field of medicinal chemistry and the world, and in appreciation for the inspiring example he has set for our university community, the University at Buffalo is proud to confer upon Dr. C.K. “David” Chu a 2021 State University of New York Honorary Doctorate of Science.

SUNY Honorary Doctoral Degree Recipients—University at Buffalo

1981	David Harker	1997	William Christie	2010	Mata Amritanandamayi Devi
1983	Alan E. Gottlieb		James Holland		Barry Glick
1984	William C. Baird		Franklyn G. Knox		Steve Reich
	Jacques Genest		Thomas Tomasi		Robert Vince
	Wilson Greatbatch	1998	James W. McLernon	2011	Ronald I. Dozoretz
	Seymour H. Knox Jr.	1999	Wolf Blitzer		Arthur E. Levine
1985	Erich Bloch		Lucille Clifton	2012	Paula Allen-Meares
	Pierre Dejours		Clifton A. Poodry		Ronald H. Coase
	Edwin F. Jaeckle	2000	Thomas Buergenthal	2013	Calyampudi R. Rao
1986	Willard A. Genrich	2001	Alison Des Forges		Charles Wuorinen
	Gregory B. Jarvis*		Jane Goodall	2014	Ira Flatow
	Brian MacMahon		H. William Lichtenberger		Jack N. Lightstone
	John B. Slaughter		William H. Siemering		Norman R. McCombs
1987	George Hatem		Hatim A. Tyabji	2015	Christopher J. Scolese
	Robert E. Rich Sr.	2002	Ellen Shulman Baker		David L. Shire
	Amos Tversky		Erma Hallett Jaeckle	2016	Leslie G. Ford
1988	Louis J. Gerstman		Tom Toles		Helene D. Gayle
	Claude Lenfant	2003	Joseph P. Allen	2017	Marc A. Edwards
1989	John M. Coetzee		Arthur O. Eve		Seong-Kon Kim
	Philip Glass		Brad Grey		Margaret Hempling McGlynn
1990	Alonzo Church		Elizabeth Pierce Olmsted Ross		Bernard Rands
	Ira Michael Heyman	2004	John Walsh	2018	Gordon L. Amidon
	Wynton Marsalis		Robert G. Wilmers		Robert Peter Gale
1991	James P. Comer	2005	Jack Dangermond		Abbe Raven
	John W. Gardner		Henry A. Panasci Jr.*		Margaret W. Wong
	Theodoor C. van Boven	2006	His Holiness the 14th Dalai Lama	2019	Julio Fuentes
1992	Marisol Escobar		Steven B. Sample		Rebecca J. McCormick-Boyle
1994	Burt P. Flickinger Jr.	2007	Warren Bennis		Donald Pinkel
	Robert V. Pound		Terry Gross		Ashutosh Sharma
	Milton Rogovin	2008	Michael Batty	2020	Ruth Bader Ginsburg
1995	Sara Lawrence-Lightfoot		Maxine Hayes		
	Ishmael Scott Reed		Jean Malaurie		
	George Widmer Thorn	2009	J. Mason Davis Jr.		
1996	Max B. E. Clarkson		Herbert A. Hauptman		
	Saxon Graham		Irene Zubaida Khan		
	Jeremy M. Jacobs		Alan M. Zweibel		
	Florence S. Jacobson				
	Gaynor I. Jacobson				
	Northrup R. Knox				
	Seymour H. Knox III*				
	Helen M. Ranney				

** Awarded posthumously*

Program Descriptions

Bachelor of Science in Pharmaceutical Sciences

The Pharmaceutics Major Program is a rigorous four-year curriculum leading to a Bachelor of Science Degree in Pharmaceutical Sciences. Areas of interest in Pharmaceutics include: the Physical Chemistry of drug delivery systems; Biopharmaceutics, which encompasses the study of the relationship between drug tissue concentrations and drug effects on the body; Clinical Pharmacokinetics, or the application of pharmacokinetics to the safe and effective therapeutic management of individual patients; and Pharmaceutical Biotechnology, which is the application of genetic engineering and recombinant DNA techniques important for the development of pharmaceutical drugs.

Master of Science or Doctorate of Philosophy in

Pharmaceutical Sciences

The MS and PhD programs offered by the Department of Pharmaceutical Sciences provide instruction and research training in drug discovery and experimental therapeutics, with interdisciplinary coursework and research in the Pharmaceutical Sciences at the molecular, biochemical, biological and clinical levels. These programs involve clinical as well as laboratory research including pharmacokinetics, pharmacodynamics, drug delivery, drug transport and metabolism, drug analysis and pharmacogenomics. Graduates of these programs find extensive career opportunities where they will be involved in the discovery and development of new drugs in the Pharmaceutical Industry and in academia, and in the evaluation of drug therapies in various government and private agencies.

Doctor of Pharmacy Program

The Doctor of Pharmacy program has a strong academic base, which is aimed at developing an in-depth understanding of the factors involved in making rational drug therapy decisions. The Advanced Pharmacy Practice Experiential program builds on this academic base, providing a wide range of exposure to various clinical pharmacy practice environments and medical subspecialty areas. Formal teaching opportunities and clinical research experiences are components of the program. Graduates of the Doctor of Pharmacy program practice in a wide variety of clinical pharmacy positions in university, hospital, community and industrial settings throughout the United States, Canada, Europe and Africa.

Candidates for Degrees

Subject to the completion of all degree requirements, degrees will be conferred as indicated upon those individuals listed herein who were identified by April 3, 2021, and upon such others as may meet the requirements of their respective degrees. Candidates are listed according to actual date of degree conferral (August 2020, February 2021 and June 2021).

Latin Honors

Subject to completion of all degree requirements and satisfaction of the following minimum criteria, Latin honors may be conferred as indicated upon the individuals listed herein and upon such others as may meet the requirements. To qualify for Latin honors, students must present a minimum of 60 credit hours of UB undergraduate coursework, at least 54 of which must be graded credits (i.e., not satisfactory or unsatisfactory [grades of 'S' or 'U']). The UB GPA must be a minimum of 3.2 (to 3.499) for cum laude, 3.5 (to 3.749) for magna cum laude and 3.75 (to 4.0) for summa cum laude.

To receive the Latin honors designation in the printed 2021 commencement programs, candidates for the June 2021 degree conferral date must qualify based upon their UB cumulative GPA through the Winter 2021 session and total number of UB credit hours projected through the Spring 2021 semester. Standings for Latin honors MAY change once final grades are posted or degrees conferred.

Legend

Cum laude is denoted by one asterisk (*)

Magna cum laude is denoted by two asterisks (**)

Summa cum laude is denoted by three asterisks (***)

Academic Recognition Items

The Blue and Gold Cord/Delta Alpha Pi Pin

This cord or pin was received by graduating members of Delta Alpha Pi, an international academic honor society for college/university students with disabilities.

The Gold Cord

This cord is awarded to students who are graduating with Latin honors.

The Grey and Red Stole

This stole was received by students who are University Honors College graduates.

The WNY Prosperity Fellowship Medallion

This medallion was received by graduating WNY Prosperity Fellows. They were selected for this fellowship based on their commitment and demonstrated potential to positively impact WNY's economic development and sustainability.

Non-Academic, University-Wide Recognition Items

The Kente Stole

This stole was received by students who participated in UB's ALANA Celebration of Achievement which historically has honored graduating African, Latino/a, Asian and Native American students.

The Rainbow Tassel

This tassel was received by students who participated in the Lavender Ceremony, celebrating achievements of graduating students who identify with the Lesbian, Gay, Bisexual, Transgender and Queer community at UB.

The Red, White and Blue Cord

This cord is being worn by graduating UB students who are reservists, members of the National Guard, newly commissioned officers or veterans of the United States armed forces.

Baccalaureate Degrees

Recommending Candidates for Degrees

James M. O'Donnell, PhD

Dean

School of Pharmacy & Pharmaceutical Sciences

Conferral of Degrees

A. Scott Weber, PhD

Provost and Executive Vice President for Academic Affairs

Bachelor of Science in Pharmaceutical Sciences

June 2021

Tyler Bochno

Kristin Bossong

Sandra Frank

Brandon Guzman

Matthew Kuhlmeiy

Leeha Mahmood

Anne Nguyen

Heewon Seo*

Peyton Smith

Briana Sokol

Yuanyuan Xu

Sicheng Zhou

Masters Degrees

Recommending Candidates for Degrees

James M. O'Donnell, PhD

Dean

School of Pharmacy & Pharmaceutical Sciences

Conferral of Degrees

A. Scott Weber, PhD

Provost and Executive Vice President for Academic Affairs

Master of Science in Pharmaceutical Sciences

February 2021

Brandon Bumbaca

Thesis Title: Analysis of a Systems

Pharmacology Model for Brain Tumor Drug Therapy

Advisor: James Gallo, PhD

Yingyi Li

Thesis Title: Development of Translational Two-pore Physiologically based Pharmacokinetic Model for Predicting Plasma and Tissue PK of Different Size Protein Therapeutics

Advisor: Dhaval Shah, PhD

Anna Mattle

Thesis Title: Increased Exposure of Single Domain Antibodies through Red Blood Cell Binding Proteins

Advisor: Joseph Balthasar, PhD

Xiaoying Yu

Thesis Title: Development of Systems PKPD Model to Characterize In Vitro Bystander Effect of CD3 Targeting Bispecific Molecules

Advisor: Dhaval Shah, PhD

June 2021

Tanya Bhatt

Thesis Title: Studying Concentration-dependent Effects of Calcitriol in Non-small Cell Lung Cancer Cell Lines

Advisor: Robert Straubinger, PhD

Manlin Chen

Thesis Title: Biophysical Characterization of Lysophosphatidylserine Containing Phosphatidylcholine Model Membranes

Advisor: Sathy V. Balu-Iyer, PhD

Nicholas Cheung

Thesis Title: Cardioprotective Role of CBR1 in Response to Reactive Oxygen Species

Advisor: Javier Blanco, PhD

Esther Esadah

Thesis Title: Biophysical Characteristics of Factor Nine Under Normal and Use Relevant Stress Conditions

Advisor: Sathy V. Balu-Iyer, PhD

Shihan Huo

Thesis Title: Spatial Proteomics of Brain Tissue by Ultrahigh-Resolution LC-MC and 3D-Printing-Assisted Microsampling

Advisor: Jun Qu, PhD

Mokshada Kumar

Thesis Title: Towards Development of Acid-switch Anti-EGFR ADC's as an Oncotherap

Advisor: Dhaval Shah, PhD

Lekshmi Maya

Thesis Title: Development of Immunogenic Native-like Aggregate Clusters of SARS-CoV2 Spike Protein as Particulates

Advisor: Sathy V. Balu-Iyer, PhD

Robert Parambi

Thesis Title: Associations Between Hemostasis Inhibitors and Cholesterol in Multiple Sclerosis

Advisor: Murali Ramanathan, PhD

Milagros M. Riquelme

Thesis Title: Lyso PS Nanoparticles for Oral Delivery of Anti-TNF Alpha

Advisor: Sathy V. Balu-Iyer, PhD

Kyle Wiecezorek

Thesis Title: The role of carbonyl reductase 1 (CBR1) during 4-hydroxynonenal (4-HNE) detoxification in human cardiomyocytes

Advisor: Robert Bies, PhD

Cangshuo Xu

Thesis Title: Utilizing the Aquaporin 4 Loaded Lyso-PS Nanoparticles to Prevent the Neuromyelitis Optica

Advisor: Sathy V. Balu-Iyer, PhD

Yifan Yu

Thesis Title: Population Pharmacokinetic Model of Hydroxychloroquine in COVID-19 Patients

Advisor: Robert Bies, PhD

Doctorate Degrees

Recommending Candidates for Degrees

James M. O'Donnell, PhD

Dean

School of Pharmacy & Pharmaceutical Sciences

Conferral of Degrees

A. Scott Weber, PhD

Provost and Executive Vice President for Academic Affairs

Doctor of Pharmacy

June 2021

Roseanna Amrit

Anna Augustini **

Michael Austin

Viktoriya Avlasevich **

Christopher Banker*

Nicholas Bhasin*

Kevin Bienko**

Myles Blas*

Kwame Boakye-Yiadom*

Christopher Brighton**

Matthew Butler*

McKenna Butler***

Dennis Cai

Gisela Canales*

Garry Chan*

Jack Chen**

Kong Yu Chen*

Lan Chen**

Zhilei Chen***

Marc Coiro***

Michael Danilov*

Susan Doan*

Esther Esadah***

Thomas Fadale*

Chi Wai (Melissa) Fan***

Farhad Foroutan*

Cecilia Fratus*

Anthony Gao

Brenna Gelen***

Kyle George*

Jared Gilbert***

Caitlin Grimm*

Kaitlin Halligan

Jiawei Huang**

Shihan Huo***

Neeraj John*

Samourra Joseph**

Hyeryung (Haylie) Kim

Se Jin Kim***

Jake Kinley*

Alyssa Kostecky**

Lena Kuffuor-Afriyie*

Taylor Latvala***

Benjamin Lee*

Richard Leong

Chi Chuen (Alan) Leung**

Yaniv Levy

Shibei Li**

Vince Li*

Jamie Light*

Jintao Lin***

Meizhihong Liu*

Roksolana Lypska**

Alana Martin***

Anna Mattle***

Shawn Mayer*

Rachel Mesina*

Joseph Meyer*

Evan Michalski*

Frances Murray**

Anessia Nagesar

Melanie Nguyen*

Ngan Nguyen***

Joshua Nowak**

Ogbonnaya Ogbonnaya*

Peter Okorozo*

Alexa Ortega*

Charles Pang**

Robert Parambi

Elizabeth Patti**

Quoc Pham*

Laurie Plewinski*

James Pufpaff*

Autumn Punter***

Yonghua Qin**

Habibur Rahman***

Rifat Rahman*

Caroline Rusch***

Willane Saint-Hilaire**

Jasmine Salavati**

Joseph Santini*

Dhvani Shah**

Mike Shao*

Alexander Sherman*

Heather Sherman***

Colleen Shum*

Rachel Singer**

Christopher Singh*

Kristen Slimmer**

Baylie Slowik**

McQuaid Smyth*

Jennifer Stanton**

Sara Stornelli*

Briana Szpilka*

Jerrica Tang**

Vicki Trieu

Andy Tsang***

Brigitte Tsang**

Theresa Tufuor**

Joshua VanAmburg*

Denis Vanini***

Elvis Veljacic**

Safa Vora

Kira Voyer***

Christopher Vu**

Jonathan Wang***

Katy Wang**

Alexis Watters***

Fiona Wu*

Jing Xu*

Jinchan Yoo**

Chung Hon Yu**

John Yuan

Benjamin Zak***

Christine Zemanek***

Alice Zheng**

Xin Ying Zheng**

Shu Qing (Sindy) Zhong*

Research Projects

Matthew Butler

Trends in Prescribing Patterns of DOACs Between Primary Care Providers and Cardiologists.

Advisor: Nicole Albanese, PhD

Melissa Fan

Herbal supplement to improve fertility in women with Polycystic Ovary Syndrome (PCOS): A simple affordable fix to infertility
Advisor: Nicole Cieri-Hutcherson, PhD

Neeraj John

A mini In Vitro Pharmacodynamic Approach to Study Bacterial Resistance
Advisor: Raymond Cha, PharmD and Brian Tsuji, PharmD

Se Jin Kim

NGAL, KIM1, SCR: 1 biomarker to rule them all
Advisor: Dhaval Shah, PhD

Frances Murray

Impact of gender, income, and urban/rural hospital designation on 30-day readmission rates for 5 HRRP targeted conditions
Advisor: Scott Monte, PharmD

Melanie Nguyen

Comparison between the Perceptions and Barriers to the Implementation of Antimicrobial Stewardship Services in Community Settings between New York and Washington State
Advisor: David Jacobs, PharmD

Elizabeth Patt

Trends in Cystic Fibrosis Pharmacogenomic Testing Utilization
Advisor: Javier Blanco, PhD

Laurie Plewinski

Sleeve Gastrectomy and Barrett's Esophagus: Might there B.E. a correlation?
Advisor: Scott Monte, PharmD

Jerrica Tang

The Relationship Between the Magnitude of Hyperglycemia and the Incidence of Antimicrobial Resistance in Patients with Urinary Pathogens
Advisor: Raymond Cha, PharmD

Kira Voyer

Extended Spectrum β -lactamases in Gram-negative Urinary Pathogens: Population-analysis profiling
Advisor: Raymond Cha, PharmD

Sindy Zhong

Vancomycin Versus Vancomycin Plus Rifampin for the Treatment of Acute Pulmonary Exacerbations of Cystic Fibrosis
Advisor: Nicholas Fusco, PharmD

Doctor of Philosophy in Pharmaceutical Sciences

February 2021

Hsueh-Yuan (Luke) Chang

Thesis Title: Quantitative Investigation of Pharmacokinetics of Antibody-Based Therapeutics in the Central Nervous System
Advisor: Dhaval Shah, PhD

Mason McComb

Thesis Title: Machine Learning Guided, Biomarker-Enabled Disease Progression Modeling
Advisor: Murali Ramanathan, PhD

Van Anh (Vika) Nguyen

Thesis Title: Systems Pharmacology Methods for Investigating Signaling Determinants of Drug Potency and Efficacy
Advisor: Donald Mager, PhD

Vivian Rodriguez-Cruz

Thesis Title: Drugs of Abuse Toxicokinetics and Toxicodynamics: Drug-Drug Interactions
Advisor: Marilyn Morris, PhD

Nicholas M. Smith

Thesis Title: Systems Pharmacology Approaches to Describe and Exploit the Pathways to Polymyxin and β -lactam Resistance in Metallo- β -lactamase-producing Gram Negatives
Advisor: Brian Tsuji, PharmD

June 2021

David Bussing

Thesis Title: Evaluation of Pharmacokinetics and Pharmacodynamics of Protein Therapeutics for Ocular Disorders
Advisor: Dhaval Shah, PhD

Ting Chen

Thesis Title: Determinants of Treatment Outcome Heterogeneity for Antibody and Antibody Drug Conjugates in Solid Tumors
Advisor: Donald Mager, PhD

Ly Minh Nguyen

Thesis Title: Pharmacokinetic and Pharmacodynamic Modeling of Recombinant Human Erythropoietin: The Basis for Improvement of Personalized Anemia Management
Advisor: Wojciech Krzyzanski, PhD

Toan Duc Nguyen

Thesis Title: Development and Optimization of Anti-CD123-DM4 Antibody-drug Conjugate for the Treatment of Acute Myeloid Leukemia
Advisor: Joseph Balthasar, PhD

Bei Zhao

Thesis Title: Role of Megalin in Renal Handling of Proteins and Peptides
Advisor: Marilyn E. Morris, PhD

PharmD Advanced Pharmacy Practice Experience Program

The Pharm.D. Professional Experiential Program consists of required rotations in ambulatory, acute care, or long-term care settings. Each segment includes a comprehensive clinical experience in providing pharmaceutical care for patients with a variety of acute and chronic diseases focusing on patient education, medication counseling, drug interactions, review of medical literature, managed care and pharmacoeconomics.

PharmD Advanced Pharmacy Practice Experience Preceptors

Cibbey Abraham
Paul Adams
Traci Aladeen
Nicole Albanese
Laura Alfieri
Angela Alfieri
Saud Alshaikh
Phil Altman
Brian Ames
Pi Amin
Michelle Amsler
Russell Appleby
Catherine Arapis
Crystal Atwell
Dianeysis Avendano
Nirvana Awad
Nicole Ayler
Joseph Balthasar
Sathy Balu-Iyer
Danielle Banaszak
Jeffrey Baron
Edward Bednarczyk
Laura Bielecki
Robert Bies
Dimitra Bitikofer
Javier Blanco
Gregory Blette
Emily Bobak
Ruben Bonilla Guerrero
Stefan Brand
Kristen Bratek
Kathleen Brauen
Sarah Britton
Judy Bromley
Patrick Brooks
Roy Browne
Alexander Brun
Emilie Bui
Christina Bumbalo
Jeni Burgess
Michael Burns

Jo'Ann Caban
Steven Cabbie
Sarah Calnek
Alesa Campbell
Thomas Caraccio
Courtney Cardinal
Aniela Cardinal
Dustin Carr
Erin Carroll
Anthony Catalano
Linda Catanzaro
Craig Cendrowski
Raymond Cha
Raymond Chan
Emily Chang
Victor Chen
Shirley Chen
Angela Cheng
Maya Chilbert (Holsen)
M.K. Choe
Sarah Christman
Nicole Cieri-Hutcherson
Collin Clark
Holly Coe
Jonathan Coll
Valerie Cooper
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Christina Matthews
Dana McAleese
Julie McCall
Katharine McCarthy
Christopher McNall
Calvin Meaney
Sanaullah Mehirdel
Zachary Merry
Emily Messing
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Kara Wilcox
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Chung Wong
Sandra Wood
Ashley Woodruff
Regina Yakubova
Xinning Yang
Siu Yan Yeung
Brandon Young
Kimberly Zammit

Awards

Dr. David E. Guttman Award

Presented to a member of the graduating class who has demonstrated a high degree of interest and achievement in the area of pharmaceutical analysis and physical pharmacy, in memory of Dr. David E. Guttman, former Professor of Pharmaceutics.
Sandra Frank

Excellence in Pharmacogenomics Award

Presented to a member of the graduating class who has demonstrated high academic achievement and outstanding work in Pharmacogenomics.
Christine Zemanek

Inpatient Advanced Pharmacy Practice Experience Award

Presented to the pharmacy graduate for outstanding performance in the inpatient components of the Advanced Pharmacy Practice Experience Program.
Caroline Rusch

Mylan Excellence in Pharmacy Award

Presented to a member of the graduating class in recognition of high academic achievement and professional motivation in a tangible and professionally meaningful manner. Must be in top 25%.
Denis Vanini

Outpatient Advanced Pharmacy Practice Experience Award

Presented to the pharmacy graduate for outstanding performance in the outpatient care component of the Advanced Pharmacy Practice Experience Program.
Kira Voyer

Outstanding Graduating Senior Award in Pharmaceutical Sciences

Presented to the most outstanding BS graduate based on overall performance, including GPA and leadership.
Wensi Wu

Renee A. Diederich Award

Presented to a member of the graduating class who has chosen to pursue post-graduate training, and is given in memory of Renee A. Dederich, a 1977 graduate of the School of Pharmacy and Pharmaceutical Sciences, who received her PharmD Degree, posthumously in 1979.
Kira Voyer
Anna Augostini

Robert H. Gumtow Undergraduate Research Award in Pharmaceutical Sciences

Presented to the graduating BS student who has performed the most outstanding research.
Brandon Guzman

Robert M. Cooper Memorial Award

Presented to a member of the graduating class who exemplifies the qualities of ethics, integrity, and commitment personified by Robert M. Cooper, former professor and Associate Dean of the School of Pharmacy and Pharmaceutical Sciences.
Alexis Watters

UB SPPS Professionalism Award

Presented to a member of the graduating class who exhibits the high ideals of professionalism and excellence in patient care.
Elizabeth Patt

UB Alma Mater

Music by Walter S. Goodale, MD, 1903.

Lyrics adapted by UB students in 2006 for contemporary use.

Verse 1:

The pride of our spirit and tradition,
Our alma mater's truth and name declare.
Celebrate our history and wisdom,
O let us all prepare to sing her glory.

Refrain:

To Buffalo all hail to thee,
Noble and strong it's our university!
To blue and white pledge loyalty,
Singing, I will always remember thee!

Verse 2:

We'll ever keep our standards high,
And sing UB's praises to the sky.
Receiving the finest education,
Our knowledge we impart unto the nations.
(Repeat refrain)

Verse 3:

Our friends we've made with ties that bind,
A union of our spirit, heart, and mind.
Together we'll continue life's journey,
O may dear Buffalo forever be.
(Repeat refrain)

Mace

Designed to tell the story of the university and the Niagara Frontier, the University at Buffalo mace was fashioned by silversmith Hudson Roysher of Arcadia, Calif. It was used for the first time in the 1962 general commencement.

The mace is silver with accents of lapis and howlite to represent the university's colors. It is topped by a miniature walled structure representing the city of Buffalo. Engraved atop the city are three arrows bound together, symbolizing the unity of UB and the city.

A band of alternating jewels of lapis and howlite encircles the head of the mace and bears the founding dates of the 13 divisions that composed the university in 1962.

The UB arms appear on the front of the head. On the back are the arms of the United States, encircled by the name Millard Fillmore and the dates during which he was U.S. president and UB chancellor.

The discovery of Lake Erie in 1669 by Louis Joliet and early explorations by Robert de LaSalle are symbolized on the left side of the head. A crest on the right side symbolizes the university's role as a dynamic center of human growth and welfare.

The wild rose, the New York state flower, is depicted in a floral motif at the top and bottom of the mace's head. Encircling the ends of the shaft are three wavy lines representing intellect and water, the latter a reference to the Niagara River and Great Lakes.

The motto "University and City: Community" is lettered in Latin around the knob of the shaft.

Traditionally used in university ceremonies, the mace is a symbol of enlightened authority. The mace bearer is the chair of the university's Faculty Senate.



UB Alumni Association Letter

Dear Member of the Class of 2021,

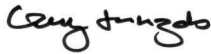
Congratulations! On behalf of the UB Alumni Association, I'm delighted to welcome you to your global network of more than 280,000 alumni. You've persevered during a year like no other, and we're proud of all you have accomplished.

As you begin your next chapter, please stay in touch! We have so many ways for you to remain connected—to UB and to each other—through email and social media, as well as through alumni events and volunteer opportunities happening across the country and around the world.

What does this mean for you in practical terms? It means that career help, volunteer opportunities, and engaging educational and social events are all yours for the taking. To learn more about what's available with your new alumni status, visit buffalo.edu/alumni.

Remember, this isn't goodbye—it's WELCOME to the UB alumni family. We know you'll always be True Blue and will proudly keep your Horns Up, wherever you go and whatever you do. Contact the Office of Alumni Engagement at ub-alumni@buffalo.edu.

Go Bulls!



Gary J. Jastrzab, BA '76
President, UB Alumni Association

P.S. Keep your @buffalo email for life simply by logging in through a browser every 90 days.

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The University at Buffalo has come a long way since its founding in 1846 as a small, private medical school in downtown Buffalo. Today it is an internationally renowned public research university—the largest institution in the State University of New York system—with three vibrant campuses, 13 schools and colleges, and most importantly, upward of 30,000 students every year developing the knowledge, confidence and passion to make the world a better place.

In the words of President Satish K. Tripathi, “UB has always been defined by our community’s intellect, innovations and contributions to humanity. And it will continue to be for the next 175 years—and beyond.”

