



HERE IS WHERE
GREAT
HEALTH CARE
LEADERS
ARE CREATED



University at Buffalo

School of Pharmacy and
Pharmaceutical Sciences

THE UB SCHOOL OF PHARMACY AND PHARMACEUTICAL SCIENCES IS WHERE WORLD- RENOWNED RESEARCHERS AND NATIONALLY-RECOGNIZED EDUCATORS AND CLINICIANS:

create innovative learning communities

awaken intellectual curiosity

challenge scientific boundaries



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Since 1887, we have been a leader in the education of pharmacy students and pharmaceutical sciences researchers. We continue our progressive journey into the 21st century with innovative research led by outstanding faculty along with the initiation of progressive educational paths, preparing our students to be the clinical and research leaders of the future.

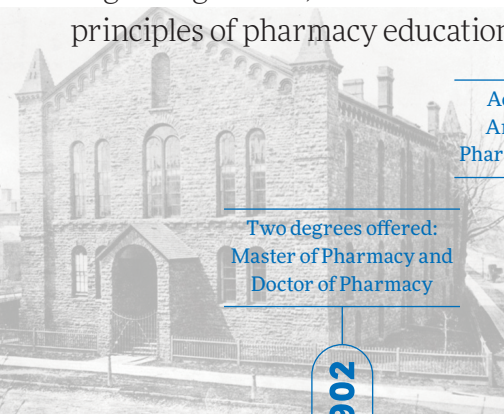
I invite you to read more about our journey and how we are creating solutions to address society's most pressing health care needs.

A handwritten signature in black ink, reading "Gary M. Pollack". The signature is stylized with a large, flowing "G" and "P".

Gary M. Pollack, PhD
Dean and Professor

A Legacy of Learning

Beginning in 1886, here is where the foundational principles of pharmacy education began.



Two degrees offered:
Master of Pharmacy and
Doctor of Pharmacy

1902

Accreditation by the
American Council of
Pharmaceutical Education

1940

Department of Biopharmaceutics
established by Gerhard Levy,
father of pharmacodynamics



1962

Pharmacotherapy
Research Center
and Core Analytic
Lab created to
investigate HIV/
AIDS and other
infectious diseases

1987



Smart Pill developed
and patented by
professor emeritus
Jerome Schentag

1992

UB-University of
Zimbabwe Antiretroviral
Pharmacology
Training Program



2002

Scholars Program for
pharmacy student
scholarly leaders

2012

Systems
Pharmacology
Initiative

2018

HSU

Honors/
Satisfactory/
Unsatisfactory
PharmD grading
system

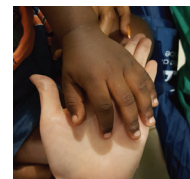
2022

Ranked top 20
U.S. and No. 1
in New York
State by U.S.
News and
World Report.

2024



Balthasar
Lab identifies
origins of new
autoimmune
treatments



Global Health
Outreach Program

2015

2008

Center for
Pharmacokinetics and
Pharmacodynamics
and Center for Protein
Therapeutics

1995

Clinical
Research
Program for
pharmacy
student
research
leaders

1972

First clinical pharmacokinetics
lab in the United States
First UB School of Pharmacy
and Pharmaceutical Sciences
Dual Degree: BS/MBA

1950

PhD in
Pharmaceutical
Chemistry and
Pharmacology
degrees



1933

Four-year Bachelor
of Pharmacy degree

1888

First graduating class:
18 students, including
two female students

1886

First class
begins studies

REIMAGINING EDUCATION

Our transformational approach to education has allowed us to implement a renewed educational blueprint for student success, guided by recognized leaders in pharmacy education and clinical practice.

A New Path for Academic Success: H/S/U Grading System

We are one of a select group of pharmacy schools to implement a non-letter grade approach to student learning, improving student success and PharmD program quality.

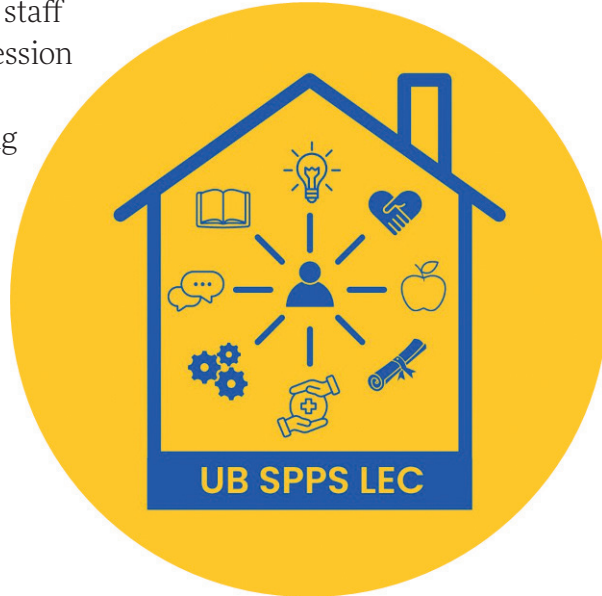


H/S/U: Student Benefits

- Has improved faculty-student communication: concepts – not grades
- Performance evaluations: mastery of concepts – not grades







A New Path for Academic Success: Learning and Engagement Communities

SPPS students live and learn in innovative Learning and Engagement Communities; where students, faculty and staff partner to explore the profession of pharmacy and develop shared connections fostering our students' professional and personal journeys.



Student Wellness

Our holistic approach to developing student focused programs promotes inclusion, wellness and a stronger sense of community.

 Dedicated reflection room	 Financial literacy workshops	 Midday breaks
 Robust student organization and club network	 Student organizations dedicated to fun extra-curriculars	 Workshops to enhance and build interpersonal and resiliency skills

TRANSFORMATIVE RESEARCH AND SCHOLARSHIP

Our transformative research and scholarship has helped develop the founding principles of drug discovery and paved the way for our recognized leadership in systems pharmacology, translational research and evaluative clinical sciences.

Million Dollar Leaders

Our leadership success is driven by our pre-eminent faculty researchers and their pioneering investigation in drug delivery, drug discovery and drug development.

\$1M+ Grants

19 grants
by 13 faculty

OVER 50% of tenure track
faculty have \$1 million+ grants
(13 of 24 tenure track faculty)

\$5 Million+ Leaders

\$18 Million

Gene Morse, PharmD,
SUNY Distinguished
Professor: Drug
Development, ID/HIV



\$15.6 Million

Joseph Balthasar, PhD,
David and Jane Chu
Endowed Chair in Drug
Discovery and Development:
Antibody drug conjugates



\$8 Million

Brian Tsuji, PharmD,
Associate Dean, Clinical
and Translational Sciences:
Antimicrobial resistance



High Impact Funding

High impact funding drives our research core.

Top Funded Projects

\$14 Million

NIAID, Clinical Pharmacology Quality Assurance ID/HIV
Gene Morse, PharmD

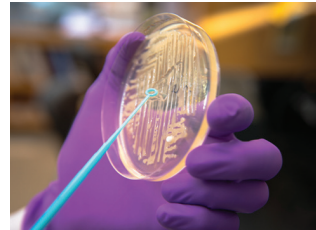


\$4 Million

NIA, Aging, Polypharmacy, and Neurotoxicity in Adults Living with HIV
Qing Ma, PharmD, PhD

\$3.9 Million

NIAID, Novel Strategies for Antibiotic Combinations to Combat Gram-negative Superbugs
Brian Tsuji, PharmD

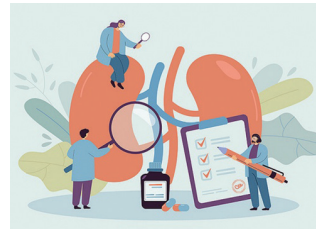


\$3.8 Million

NIAID, Novel Combination Therapies to Combat Carbapenem-Resistant P. aeruginosa
Brian Tsuji, PharmD

\$3.5 Million

NIA, Age and Race Influences on Immunosuppression After Renal Transplant
Kathleen Tornatore, PharmD

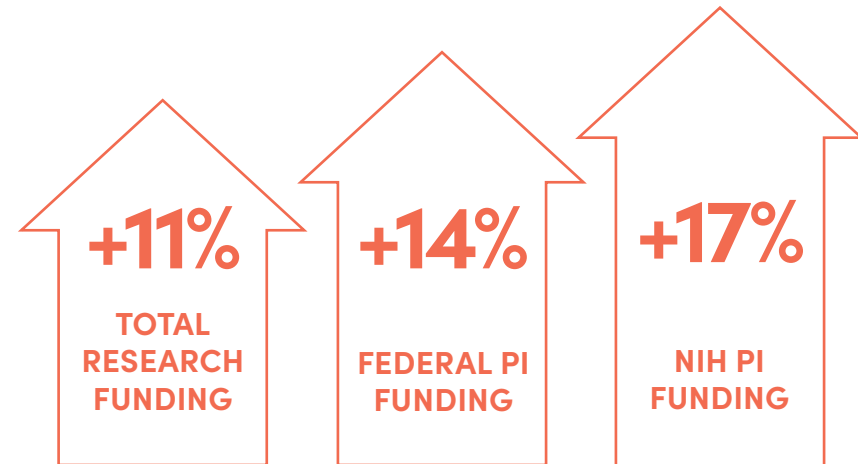


Research on the Rise

Effective research strategies and strategic approach to innovation move us forward.

AACP 2022 Institutional Research Rankings

(AACP 2022 Institutional Research Rankings: increases based on 2021-22 research data comparisons)



Tenure Track Faculty

67%

have federal funding

Emerging Science Support: Statewide and Campus Driven

Our research enterprise is supported and valued by state and campus partners.

NEW YORK STATE FACULTY INVESTMENT

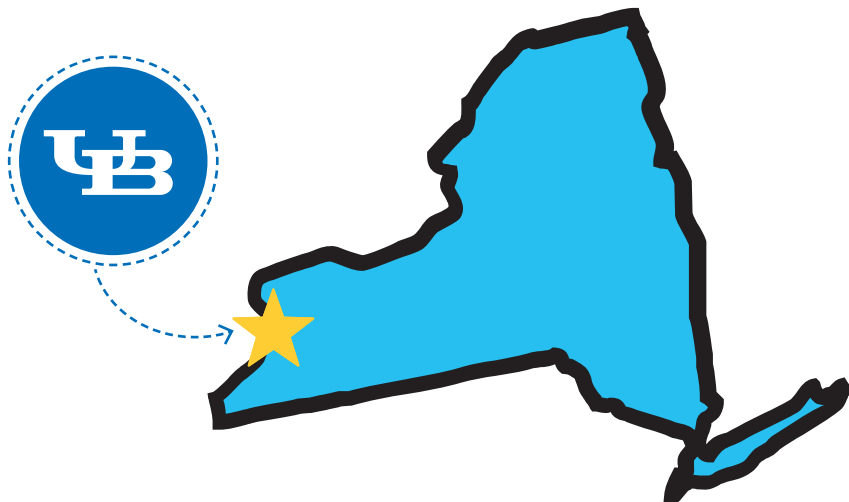
\$1.4 million
faculty hiring

UB BUILDING INTERDISCIPLINARY EXCELLENCE

\$1.2 million
start up support

UB STRATEGIC INVESTMENT:

\$865,000
develop postgraduate
pipelines



Trailblazing Scientific Scholarship

Our faculty lead scientific discovery to improve health and eradicate disease.

Defining the Origins of New Autoimmune Treatments: FcRn Inhibitors and Vyvgart:

increase antibody elimination
and patent approval of Vyvgart;
first FcRn inhibitor approved by
the FDA for medical use.

Joseph Balthasar, PhD

Identification of Key Metabolic Regulators in Cancer Cell Resistance to Gemcitabine:

establishment of rational basis for
the design of effective therapeutic
approaches to overcome Gem
resistance in PDAC patients.

Robert Straubinger,
PhD and Jun Qu, PhD

Kawasaki Disease: First test in North America

to predict IVIG
therapeutic
resistance.

Co-author,
Nicholas Fusco,
PharmD

Novel Community and Educational Scholarship

Our faculty investigate where education and community intersect to improve wellness.

Effectiveness of Social Determinants of Health Pharmacy Program Implemented in Community Pharmacies

Christopher Daly, PharmD

Preparing Health Professions Students to Address Medical Misinformation and Vaccine Hesitancy – Through Competency Based Interprofessional Instructional Design Strategies

Nicholas Fusco, PharmD

Opioid Prescriber Training Program

Edward
Bednarczyk,
PharmD

UB Top 10: American Journal of Pharmaceutical Education

Recognition by our peers for preeminent scholarly leadership in pharmacy education and student learning.*

#5

SCHOOL

UB Pharmacy and
Pharmaceutical Sciences

#6

AUTHOR

William Prescott, PharmD,
clinical professor and chair,
pharmacy practice

* 2022 AJPE data

ORGANIZING FOR SUCCESS

We have reimagined our organizational structure and operations to enhance our student experience, research productivity and scholarly collaborations.



Transforming Departments into Divisions

Creation of strategic divisions to align strengths and support mission critical objectives.

Department of Pharmacy Practice Divisions



Clinical and
Translational
Therapeutics



Education and
Teaching
Innovation



Outcomes
and Practice
Advancement

Department of Pharmaceutical Sciences Divisions



Drug and
Biotherapeutic
Discovery



Drug Delivery and
Pharmaceutical
Bioengineering



Pharmacokinetics/
Pharmacodynamics
and Systems
Pharmacology

The Office of Student Success and Engagement

Innovative new student services office, providing a supportive environment to enrich and empower students, ensure personal growth, professional and career preparation, and academic success.

New personnel and structure to support student success

Associate Dean for Student Success and Engagement

Assistant Dean for Student Success and Engagement

Director of Registrar and Enrollment Services

Director of Undergraduate Advisement and Recruitment

Associate Director for Student Success and Engagement

Student Engagement Coordinator

Recruitment and Advisement Coordinator

Student Success Coach

Drug Discovery, Development and Evaluation Research Hub (DDDE)

A new way of approaching transdisciplinary and interdisciplinary research

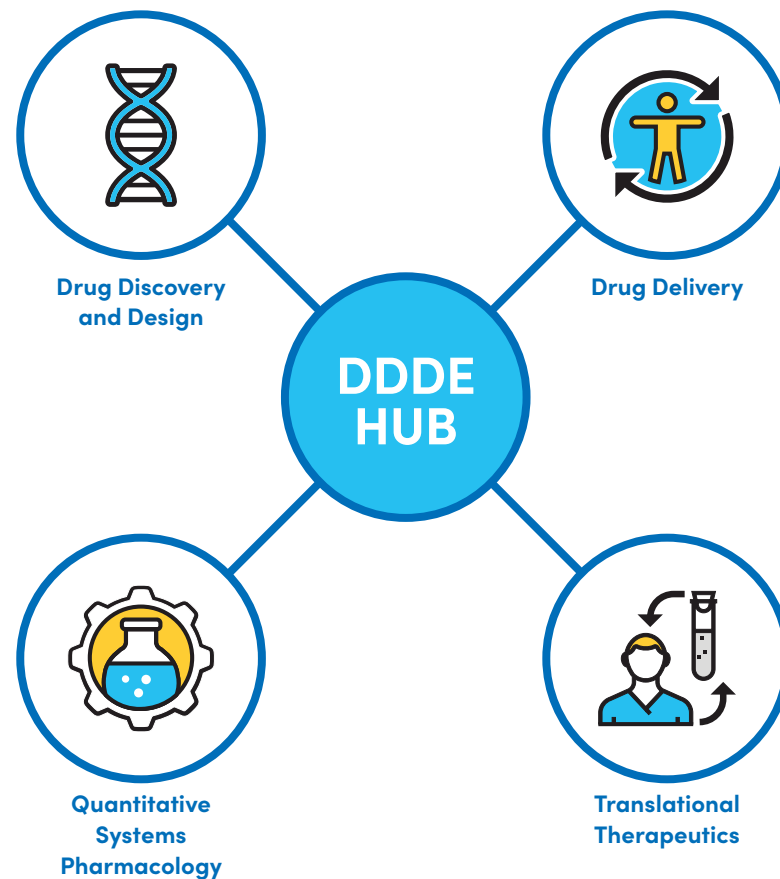
The new DDDE Research Hub provides cross-campus interdisciplinary leadership and creative approaches to support core innovations in drug discovery and development along with the development of a translational therapeutic core, supporting *clinical pharmacology, policy development and evaluative clinical sciences*.

DDDE Core Areas

- Drug Discovery and Design
- Drug Delivery
- Quantitative Systems Pharmacology
- Translational Therapeutics

DDDE Goals

- **Federal Funding:**
Enhance and expand competitiveness
- **Pharma and Biotechnology:**
Develop new research and training partnerships
- **Interdisciplinary Training Grants:**
Create new platforms
- **Doctoral Degrees:**
Increase number granted
- **Reputational Advantage:**
Increase awareness of exceptional UB research



INTELLECTUAL INNOVATION

Preeminent past and present faculty are the reason for our recognized leadership and success. We are proud of their legacy and their impact on the future of the profession.

Achievement

Awards and Recognitions

INTERNATIONAL AND NATIONAL

1 National Academy of Sciences Member
Gerhard Levy: first PharmD inducted

2 International Pharmaceutical Federation
1 Høst-Madsen Medal
1 Lifetime Achievement Award

1 Fulbright Scholar Program

3 International Society of Pharmacometrics
1 Innovation Award
1 Leadership Award
1 Lewis B. Sheiner Lecturer Award

4 American Society for Clinical Pharmacology and Therapeutics
1 Malle Jurima-Romet Mid-Career Leadership Award
1 William B. Abrams Lecture
2 Oscar B. Hunter Career Awards in Therapeutics

Awards and Recognitions, continued

INTERNATIONAL AND NATIONAL

1 National Science Foundation CAREER Award

3 American College of Clinical Pharmacy
1 Therapeutic Frontiers Lecture
2 Russell R. Miller Awards

1 International Society for the Study of Xenobiotics New Investigator Award

3 American Association of Pharmaceutical Scientists
3 Distinguished Service Awards

9 American Association of Colleges of Pharmacy
4 New Investigator Awards
5 Volwiler Research Achievement Awards

1 American College of Apothecaries Research and Education Foundation Albert E. Rosica, Jr. Memorial Award

1 American Society for Pharmacology and Experimental Therapeutics Early Career Award

1 Argentine Society of Genetics Medal of Honor

STATE UNIVERSITY OF NEW YORK (SUNY)

4 SUNY Distinguished Professors

4 SUNY Chancellor's Awards for Excellence in Teaching

6 SUNY Chancellor's Awards for Excellence in Scholarship and Creative Activity

2 SUNY Chancellor's Awards for Excellence in Faculty Service

4 SUNY Chancellor's Awards for Excellence in Professional Service

UNIVERSITY AT BUFFALO (UB)

4 UB Distinguished Professors

6 UB Teaching Innovation Awards

6 UB Exceptional Scholar Awards for Young Investigators

7 UB Exceptional Scholar Awards for Sustained Achievement

Distinctiveness

Fellows

9 American Association for the Advancement of Science Fellows	14 American Association of Pharmaceutical Scientists Fellows	1 American Society of Consultant Pharmacists Fellow
2 International Pharmaceutical Federation Fellows	1 American Society of Transplantation Fellow	6 American Pharmacists Association APRS Fellows
3 International Society of Pharmacometrics Fellows	1 Infectious Diseases Society of America Fellow	1 American Pharmacists Association APPM Fellow
10 American College of Clinical Pharmacy Fellows	1 Society of Critical Care Medicine Fellow	4 American Association of Colleges of Pharmacy, Academic Leadership Fellows Program
1 American College of Neuropsychopharmacology Fellow		

**OUR PROGRESSIVE
JOURNEY CONTINUES.**

**FOLLOW US AT
PHARMACY.BUFFALO.EDU**



pharmacy.buffalo.edu

All content is based on 2023 data (unless noted otherwise) with the exception of updated 2024 U.S. News and World Report pharmacy school rankings.