

Cheuk H. (Michael) Liu, PharmD, MBA, BCCCP, BCNSP, BCPS

Birthplace: Hong Kong, Special Admin. Region Email: Emlm4ever@gmail.com

Vision: *Spiritual > World-view > Emotional > Exercise & Nutrition > Time*

Mission: *Accomplish Meaningful Goals*

Core Values: *Trust, Development, Empathy, Focus, Impute*

EMPLOYMENT & EDUCATION

EMPLOYMENT

March 2020 – Present

Assistant Dean of Clinical & Professional Affairs

Associate Professor of Pharmacy Practice

Interim Chair of Pharmacy Practice (Jan 2021 – Present)

Co-Director, Academic Fellowship Program (Oct 2022 – Present)

Touro College of Pharmacy (TCOP), New York, NY

Touro College and University System

Interim-Director, PGY-2 Emergency Medicine Pharmacy

Residency, Saint Barnabas Hospital, Bronx, NY (Oct 2022 – Present)

November 2013 – March 2021

Yale New Haven Health

- **Per Diem Clinical Pharmacist** (March 2020 – March 2021), and **Interim-Director, PGY-1 Pharmacy Residency** (March 2020 – June 2020)
Lawrence Memorial Hospital, New London, CT, & Westerly Hospital, Westerly, RI.

Managerial Clinical Pharmacy & Residency Director Experiences:

- **Manager, Clinical Pharmacy Services** (September 2018 – March 2020), and **Director, PGY-1 Pharmacy Residency** (December 2018 – March 2020)
Lawrence Memorial Hospital, New London, CT, & Westerly Hospital, Westerly, RI
Note: Residency established Dec 2018, accredited by ASHP in 2020 for 8 years
- **Supervisor, Clinical Pharmacy Services**, and **Director, Critical Care Pharmacy Residency**
Yale New Haven Hospital, New Haven, CT
(October 2016 – September 2018)

Clinical Pharmacy & Residency Coordinator Experiences: *Yale New Haven Hospital, New Haven, CT:*

- **Senior Clinical Pharmacist Specialist –Medicine/Surgery, and Coordinator, Critical Care Pharmacy Residency**
(June 2016 – September 2016)
- **Clinical Pharmacist Specialist I – Cardiothoracic ICU/HVC, and Coordinator, Critical Care Pharmacy Residency**
(June 2015 – May 2016)
- **Clinical Pharmacist II – Cardiothoracic ICU/HVC, and Coordinator, Infectious Diseases Pharmacy Residency**
(September 2014 – May 2015)
- **Clinical Pharmacist II - Surgical ICU/Medical ICU**
(November 2013 – August 2014)

July 2011 – October 2013

Clinical Pharmacist Specialist - Critical Care

Kingsbrook Jewish Medical Center (KJMC), Brooklyn, NY

January 2007 – April 2009

Pharmacy Intern

Mount Sinai Hospital, New York, NY

May 2007 – December 2007

Pharmacy Intern

CVS Pharmacy, New York, NY

CONTRACT EMPLOYMENT

May 2023 – Present

Lecturer

Touro Physician Associate, New York, NY

March 2017 – Present

Lecturer

Sacred Heart University Physician Assistant Studies, Stamford, CT

January 2021 – June 2021

Instructor – Certified Pharmacy Technician Review

Consortium for Worker Education, New York, NY

August 2019 – December 2019

Adjunct Instructor Faculty

Department of Pharmaceutical & Administrative Sciences
Western New England College of Pharmacy & Health Sciences

GUEST LECTURER

January 2015 – 2020

Yale School of Physician Associate, New Haven, CT

EDUCATION

May 2018 – Dec 2021

Master in Business Administration, *Cum Laude*

University of Nebraska-Lincoln, Lincoln, NE

July 2010 – June 2011

**ASHP Accredited PGY-2 Critical Care Pharmacy Residency
Chief Pharmacy Resident** (November 2010 – Feb 2011)

Kingsbrook Jewish Medical Center, Brooklyn, NY

July 2009 – June 2010

ASHP Accredited PGY-1 Pharmacy Residency

Kingsbrook Jewish Medical Center, Brooklyn, NY

July 2003 – May 2009

Doctor of Pharmacy, *Cum Laude & with Honors* (NABP:205808)

Arnold & Marie Schwartz College of Pharmacy & Health Sciences

Long Island University, Brooklyn, NY

EDITORIAL & UNIVERSITY AFFILIATIONS

EDITORIAL

January 2016 – Present

Editorial Board Member, Critical Care

The Journal of Pharmacy Practice, Sage Publications

August 2016 – May 2018

Lead Editor, *CSHP News Brief*

UNIVERSITY AFFILIATIONS/PRECEPTORSHIP

October 2019 – March 2020

Preceptor

Massachusetts College of Pharmacy, Boston, MA

June 2019 – March 2020

Adjunct Clinical Assistant Professor of Pharmacy Practice

University of Rhode Island, Kingston, RI

March 2019 – March 2020

Preceptor

WNE College of Pharmacy, Springfield, MA

January 2016 – March 2020

Preceptor

University of Saint Joseph, Hartford, CT

August 2014 – March 2020

Adjunct Assistant Professor

University of Connecticut School of Pharmacy, Storrs, CT

July 2010 – November 2013

Clinical Assistant Professor of Pharmacy Practice

Arnold & Marie Schwartz College of Pharmacy & Health Sciences
Long Island University, Brooklyn, NY

July 2009 – June 2010

Clinical Instructor of Pharmacy Practice

Arnold & Marie Schwartz College of Pharmacy & Health Sciences
Long Island University, Brooklyn, NY

LICENSURES & CERTIFICATIONS

PHARMACY LICENSURES

July 2019 – Present

Rhode Island RPH06027

December 2013 – Present

Connecticut #PCT.0012863

July 2010 – Present

New Jersey #28RI03382600

September 2009 – Present

New York #I054027-1

BOARD CERTIFICATIONS

November 2015 – Present

Critical Care #150298

November 2013 – Present Nutrition Support #2133007

December 2011 – Present Pharmacotherapy Specialist #2110932

REGISTRATION

November 2020 – July 2021 NYS DOH Limited Service Laboratory Registration
Clinical Laboratory Improvement Amendments (CLIA)

CERTIFICATIONS

September 2014 – May 2015 Teaching Certificate Program
University of Connecticut School of Pharmacy, Storrs, CT

August 2009 – August 2018 Advanced Cardiac Life Support (ACLS)

June 2009 APhA Pharmacy-based Immunization Delivery

PEER-REVIEWED PUBLICATIONS & RESEARCH

INTERNATIONAL PRACTICE GUIDELINE

Kane-Gill S, Dasta J, Buckley M, Devabukthani S, **Liu M**, Cohen H, et al. Clinical practice guideline: safe medication use in the intensive care unit. *Crit Care Med* 2017;45(9):e877-915 and 1546-51.

TEXTBOOKS

Liu M. Side Effects of Agents that Influence Corticotrophins, Corticosteroids, and Prostaglandins. *Side Effects of Drugs Annual*. Volume 44. (accepted – pending publication).

Liu M. Cholinergics. Encyclopedia of Toxicology. 4th Edition. (accepted – pending publication).

Cohen H, **Liu M**. Antidepressants: Clinical Use and Litigation. *O'Donnell's Drug Injury*. Tucson: Lawyers & Judges Publishing Company, Inc. (accepted – pending publication).

Liu M. Nascent Perspectives on COVID-19 Treatments. *Side Effects of Drugs Annual*. Volume 43 – 1st Edition. San Diego: Elsevier, 2021.

Liu M. COVID-19 Pandemic-Case Studies and Perspectives. *Side Effects of Drugs Annual*. Volume 42 – 1st Edition. San Diego: Elsevier, 2020.

Cohen H, **Liu M**, Khalique S, Luka B. Vasopressors, Inotropes, and Antiarrhythmic Agents. In: Gardenhire DS, ed. *Rau's Respiratory Care Pharmacology*. 8th ed. Mosby Publishers. 2011: 343-66.

JOURNAL

Hau R, Ammar MA, **Liu M**, McGill B. Evaluation of sedation and analgesia with the use of continuous infusion neuromuscular blocking agents. (Work-in-progress).

Lee V, Kowalski J, **Liu M**, Thayer B. Impact of discharge medication reconciliation across a five-hospital health system. *J Healthc Qual Res* 2022. 10.1097. doi: 10.1097/JHQ.0000000000000335.

Johnston J, Heaver M, **Liu M**, Casal G, Akgun K. The prevalence of drug-drug interactions with antiretroviral therapy in human immunodeficiency virus-infected patients in the intensive care unit. *J Pharm Pract* 2021;_8971900211035262. doi: 10.1177/08971900211035262.

Liu M, Wai M, Nunez J. Topical lidocaine patch for postthoracotomy and poststernotomy pain in cardiothoracic intensive care unit adult patients. *Crit Care Nurse* 2019;39(5):51-7.

Liu M. Improving the quality of patient experience through student engagement. *Am J Health Syst Pharm* 2018;75(3):93-5.

Liu M, Aguele C, Darr U. Use of four factor prothrombin complex concentrate for mitigation of rivaroxaban-induced bleeding in an emergent coronary artery bypass graft. *Clinical Case Reports* 2017;5(5):636-9.

Cardinale M, Ha M, **Liu M**, Reardon D. Direct thrombin inhibitor resistance and possible mechanism. *Hosp Pharm* 2016;51(11):922-7.

Walczyk H, **Liu M**, Alafiris A, Cohen H. Probable tapentadol-associated serotonin syndrome after overdose: a case report. *Hosp Pharm* 2016;51(4):320-7.

Liu M, Shehu M, Herrold E, Cohen H. Prognostic value of initial elevation in cardiac troponin I level in critically ill patients without acute coronary syndrome. *Crit Care Nurse* 2015;35(2):e1-e10.

Liu M, Alafiris A, Longo A, Cohen H. Irreversible atorvastatin-associated hearing loss. *Pharmacotherapy* 2012;32(2):e27-34.

JOURNAL ABSTRACTS

Hau R, Ammar M, **Liu M**, McGill B. Evaluation of sedation and analgesia with the use of neuromuscular blocking agents. *Crit Care Med* 2022;50(1):627.

Liu M, Cohen H, Kavanagh R. Population Health Impact of a Metropolitan Pharmacy School Engagement in COVID-19 Surveillance and Vaccine Initiatives. *Am J Pharm Edu* 2021;85(7) 8739:780.

Johnston J, Heavner M, **Liu M**, Topal, J, Casa G, Akgun K. Drug Interactions in Human Immunodeficiency virus-infected intensive care unit patients. *Crit Care Med* 2018;46(1):448.

DeWitt R, **Liu M**, Mukherji R, Cohen H. The role of aminocaproic acid for the management of gastrointestinal bleeding in the critically ill: a retrospective study. *J Pharm Pract* 2014; 27(3):270.

Wee B, **Liu M**, Cohen H, Kravchuk S, Reddy K, Mukherji R. IV famotidine versus IV pantoprazole for stress ulcer prevention in the ICU: a prospectivestudy. *Crit Care Med* 2013;41:S12.

Hazeghi J, Marakatham S, Hasan MF, **Liu M**, Burney S, Luc-Franck J. Statin-induced autoimmune hepatitis. *Am J Gastroenterol* 2013;108:S334.

Wee B, **Liu M**, Cohen H, Kravchuk S, Reddy K, Mukherji R. Efficacy and safety of intravenous famotidine versus intravenous pantoprazole for stress ulcer prophylaxis in the critically ill: a prospective, randomized study. *J Pharm Pract* 2013;26(3):299-230.

Demekhin V, **Liu M**, Cohen H, Mukherji R, Hew P, Wright C. Evaluation of blood glucose control in hyperglycemic patients after implementation of a standardized insulin drip protocol. *J Pharm Pract* 2012;25(3):403.

Baig A, Muzykovsky K, **Liu M**, Hidalgo-Cabrera R, Cohen H, Mukherji R. Correlation between B-type natriuretic peptide and central venous pressure: Is the relationship useful when managing fluids. *Crit Care Med* 2010;38(2):A63.

Liu M, Luka B, Kolli R, Sharma Y, Mukherji R, Cohen H. Use of oral midodrine in weaning-off intravenous vasopressors in patients with septic shock. *J Pharm Practice* 2010;23(3):283.

Liu M, Luka B, Kolli R, Sharma Y, Mukherji R, Cohen H. Use of oral midodrine in weaning-off intravenous vasopressors in patients with septic shock. *Pharmacotherapy* 2010;30:184e.

Liu C, Alafiris A, Longo A, Cohen H. Irreversible atorvastatin-induced hearing loss: a case report. *Pharmacotherapy* 2008;28:200e.

ONLINE ARTICLE

Liu M. How long is a cold contagious. *SingleCare*. Available at: <https://www.singlecare.com/blog/how-long-is-a-cold-contagious/>. Sept. 2022.

SCIENTIFIC POSTERS

Burke P, **Liu M**. A Community-based Intervention with Pharmacy and Nursing Students to Increase Vaccination Rates Across the New York Metropolitan Area.

Presented at:

- 2022 Touro Interprofessional Education (IPE) Summit. April 2022.

Hau R, Ammar MA, **Liu M**, McGill B. Evaluation of sedation and analgesia with the use of continuous infusion neuromuscular blocking agents.

Presented at:

- 51st SCCM Critical Care Congress Virtual Meeting. April 2022.

Liu M, Dipan R, Braverman D, Basu P, Seeger A, Kavanagh R, et al. College of Pharmacy-led interprofessional collaboration on sustainable COVID-19 vaccination and education services across a United States metropolis.

Presented at:

- 56th ASHP Midyear Clinical Meeting. December 2021.

Liu M, Kavanagh R, Davis N, Kim R, Kim E, Braverman D, et al. Mitigation of COVID-19 positivity rates across a United States metropolis led by a College of Pharmacy in providing COVID-19 surveillance and education.

Presented at:

- 56th ASHP Midyear Clinical Meeting. December 2021.

Liu M, Cohen H, Kavanagh R. Population Health Impact of a Metropolitan Pharmacy School Engagement in COVID-19 Surveillance and Vaccine Initiatives.

Presented at:

- American Association of Colleges of Pharmacy (AACP) Annual Meeting. July 2021.

Lee V, Kowalski J, **Liu M**, Thayer B. Impact of discharge medication reconciliation across a five hospital health system.

Presented at:

- [NYS-ACCP Annual Virtual Meeting](#), New York. November 2020.
- 31st Connecticut Society of Health-System Pharmacists (CSHP) Catch the Wave Conference, Connecticut. November 2020.
- 55th ASHP Midyear Clinical Meeting. December 2020.

Hau R, Ammar MA, McGill B, **Liu M**. Evaluation of adequate sedation and analgesia with the use of continuous infusion neuromuscular blocking agents across a health system.

Presented at:

- 31st Connecticut Society of Health-System Pharmacists (CSHP) Catch the Wave Conference, Connecticut. November 2020.

Hau R, Cadorette A, Hultz K, **Liu M**. Optimization of discharge prescribing in ED and inpatient setting across a health system.

Presented at:

- CT Pharmacy Residency Conference Webinar, Connecticut. May 2020.

Lee V, Kowalski J, Zaniewski A, **Liu M**. Expansion of discharge medication reconciliation across a five hospital health system.

Presented at:

- CT Pharmacy Residency Conference Webinar, Connecticut. May 2020.

DeVietro L, Chy M, Cholewczynski C, **Liu M**, Sahni J. Implementation of medical grade honey to optimize topical wound and burn care to reduce expenditures of collagenase ointment across a health system

Presented at:

- 54th ASHP Midyear Clinical Meeting. Las Vegas, NV. December 2019.

Lee V, Tran L, Zaniewski A, **Liu M**, Guirguis A. Implementation and assessment of adherence to a pharmacist-driven inpatient warfarin protocol in a five hospital health system.

Presented at:

- 54th ASHP Midyear Clinical Meeting. Las Vegas, NV. December 2019.

Liu M, Thayer B, Mayorga O, et al. Improving 30-Day Readmissions for High-Risk Patients: A Pharmacy-Assisted Discharge Medication Reconciliation Pilot.

Presented at:

- 30th CSHP Catch the Wave Conference, Cromwell, CT. November 2019
- 54th ASHP Midyear Clinical Meeting. Las Vegas, NV. December 2019.

DeVietro L, Chy M, Cholewczynski C, **Liu M**, Sahni J. Implementation of medical grade honey to optimize topical wound and burn care to reduce expenditures of collagenase across a health system.

Presented at:

- 54th ASHP Midyear Clinical Meeting. Las Vegas, NV. December 2019.

Pusztai D, **Liu M**, Zaniewski A, Cooper C, Tichy E. Impact of clinical scorecard on pharmacy residents' patient care performances.

Presented at:

- 29th CSHP Catch the Wave Conference, Cromwell, CT. November 2018
- 53rd ASHP Midyear Clinical Meeting. Anaheim, CA. December 2018.

Sonali S, Crino T, **Liu M**, Kim H. Adverse effects and analgesic control follow parenteral ketorolac administration in patients aged 65 and older during admission to emergency department.

Presented at:

- 53rd ASHP Midyear Clinical Meeting. Anaheim, CA. December 2018.

Patel D, Shvets S, **Liu M**. A health-system wide evaluation of appropriateness and formulary optimization of ezetimibe.

Presented at:

- ASHP Summer Meetings & Exhibition, Denver, CO. June 2018.

Johnston J, Heavner M, **Liu M**, Topal J, Casal G, Akgun K. Drug interactions in Human Immunodeficiency Virus-infected intensive care unit patients.

Presented at:

- 47th SCCM Critical Care Congress, San Antonio, TX. February 2018.

McNutt S, Wagner L, Alamba S, **Liu M**. Cost savings initiative: developing a list of medications for which administration should be deferred from inpatient to outpatient, within a five-hospital academic health-system.

Presented at:

- 52nd ASHP Midyear Clinical Meeting. Orlando, FL. December 2017.

Dowers E, Frank Z, **Liu M**. Optimization of antiretroviral therapy by pharmacist intervention in hospitalized patients.

Presented at:

- Annual Meeting of the American College of Clinical Pharmacology. San Diego, CA. September 2017.

Patel M, **Liu M**, Sharabun M, Amin N. Hypophosphatemia management in a large health-system.

Presented at:

- 51st ASHP Midyear Clinical Meeting. Las Vegas, NV. December 2016.

Tran L, Guerra M, **Liu M**, Amin N. Multi-center evaluation of parenteral desmopressin for severe, non-hemophilic uremic bleeding.

Presented at:

- 51st ASHP Midyear Clinical Meeting. Las Vegas, NV. December 2016.

Liu E, Cotugno S, Doad G, **Liu M**, Amin N. Implementation of a health system-wide IV sodium bicarbonate infusion utilization guideline.

Presented at:

- 51st ASHP Midyear Clinical Meeting. Las Vegas, NV. December 2016.

Samudralwar R, Jones C, **Liu M**, Amin N. Ophthalmic hyaluronate derivatives drug class review across a health system.

Presented at:

- 51st ASHP Midyear Clinical Meeting. Las Vegas, NV. December 2016.

Diep K, Wai M, Amin N, **Liu M**. Rituximab for non-oncology indications in the inpatient setting.

Presented at:

- 51st ASHP Midyear Clinical Meeting. Las Vegas, NV. December 2016.

Liu M, Hursid A, Vu V, Darr U, Devin L, Wai M, Nunez J, Tantawy H. Efficacy of topic lidocaine 5% patch for post-thoracotomy & sternotomy pain in CTICU adult patients.

Presented at:

- 27th Annual CSHP Catch the Wave Conference. Cromwell, CT. November 2016.

Papstein T, **Liu M**, Welchek C, Huang E, Anderson M. Clinical Redesign: improve total parenteral nutrition utilization.

Presented at:

- 27th Annual Connecticut Society of Health-System Pharmacists (CSHP) Catch the Wave Conference. Cromwell, CT. November 2016.

Liu M, Stutsky M, Pereda M, Abdelghany S, Papstein T, Anderson M, Cabie M, Cholewczynski C, Boothe K, Miller LA, Bennick M. Quiet initiative clustered care: pharmacy interventions.

Presented at:

- Yale New Haven Health Patient Experience Conference, Bridgeport, CT. October 2016.

Liu M, Devin L, Wai M, Darr U, Tantawy H. Impact of pharmacy & nursing medication council in the CTICU

Presented at:

- Yale New Haven Health Patient Experience Conference, Bridgeport, CT. October 2016.

Belforti A, Cholewczynski W, Davis K, DeWitt M, Fillion S, Giannettino J, Hajdasz D, **Liu M**, Lombino S, Papstein T, Peterson N, Restler J, Sussman S, Welchek C, Winter-Lai A. Clinical Redesign: improve total parenteral nutrition utilization.

Presented at:

- Joseph A. Zaccagnino Patient Safety and Clinical Quality Conference, New Haven, CT.

Aguele C, **Liu M**, Doolittle M, Sicoli P, Tichy E. Medication safety - optimization of computerized clinical decision support.

Presented at:

- 35th Annual Eastern States Conference. Hershey, Pennsylvania. May 2016.
- 50th ASHP Midyear Clinical Meeting. New Orleans, LA. December 2015.

Badwan A, Tencza E, **Liu M**, Darr U, Haddadin A. Use of four factor prothrombin complex concentrate for mitigation of rivaroxaban-induced bleeding in an emergent coronary artery bypass graft procedure

Presented at:

- 50th ASHP Midyear Clinical Meeting. New Orleans, LA. December 2015.
- 26th Annual Connecticut Society of Health-System Pharmacists (CSHP) Catch the Wave Conference. Waterbury, CT. November 2016.

DeWitt R, **Liu M**, Mukherji R, Cohen H. The role of aminocaproic acid for the management of gastrointestinal bleeding in the critically ill: a retrospective study.

Presented at:

- 9th Annual NYC Regional Pharmacy Residency Conference. Brooklyn, NY. June 2014.
- 33rd Annual Eastern States Conference. Hershey, Pennsylvania. May 2014.
- NYSCHP 53rd Assembly: Reflect, Refresh, & Recharge. Saratoga Springs, NY. May 2014.

Wee B, **Liu M**, Cohen H, Kravchuk S, Reddy K, Mukherji R. Efficacy and safety of intravenous famotidine versus intravenous pantoprazole for stress ulcer prophylaxis in the critically ill: a prospective, randomized study.

Presented at:

- 43rd SCCM Critical Care Congress, San Francisco, CA. January 2014.
- 8th Annual NYC Regional Pharmacy Residency Conference. Brooklyn, NY. June 2013.
- 1st Annual Research Week. Kingsbrook Jewish Medical Center, Brooklyn, NY. May 2013.
- 32nd Annual Eastern States Conference. Hershey, Pennsylvania. May 2013.
- NYSCHP 52nd Assembly: Medication Safety. Turning Stone, Verona, NY. May 2013.

Wassner C, **Liu M**, Peyko V, Mukhtarad R, Cohen H. *Shewanella algae* bacteremia in a community hospital: a case report.

Presented at:

- 48th ASHP Midyear Clinical Meeting. Orlando, FL. December 2013.

Smith A, Millares M, **Liu M**, Lois W, Cohen H. Probable indigotindisulfonate sodium-induced severe bradycardia and hypotension.

Presented at:

- ASHP Midyear Clinical Meeting. Orlando, FL. December 2013.

Hazeghi J, Marakatham S, Hasan MF, **Liu M**, Burney S. Atorvastatin-induced autoimmune hepatitis: a case report.

Presented at:

- 78th Annual American College of Gastroenterology Meeting. San Diego, California. October 2013.
- 1st Annual Research Week. Kingsbrook Jewish Medical Center, Brooklyn, NY. May 2013.

Demekhin V, **Liu M**, Cohen H, Mukherji R, Hew P, Wright C. Evaluation of blood glucose control in hyperglycemic patients after implementation of a standardized insulin drip protocol.

Presented at:

- 7th Annual NYC Regional Pharmacy Residency Conference. Brooklyn, NY. June 2012.
- NYSCHP 51st Assembly: Drug Therapy across the Spectrum of Special Patient Populations. Saratoga Springs, NY. May 2012.
- 31st Annual Eastern States Conference. Hershey, Pennsylvania. April 2012.

Baig A, Muzykovsky K, **Liu M**, Hidalgo-Cabrera R, Cohen H, Mukherji R. Correlation between B-type natriuretic peptide and central venous pressure: Is the relationship useful when managing fluids.

Presented at:

- SCCM Critical Care Congress, San Diego, CA. January 2011.

Liu M, Luka B, Kolli R, Sharma Y, Mukherji R, Cohen H. Use of oral midodrine in weaning-off intravenous vasopressors in patients with septic shock.

Presented at:

- 5th Annual NYC Regional Pharmacy Residency Conference. Brooklyn, NY. June 2010.
- NYSCHP 49th Assembly: Emergency Medicine. Saratoga Springs, NY. May 2010.
- 29th Annual Eastern States Conference. Hershey, Pennsylvania. April 2010.
- ACCP Spring Practice and Research Forum. Charlotte, North Carolina. April 2010.

Liu C, Alafiris A, Longo A, Cohen H. Irreversible Atorvastatin-Induced Hearing Loss: A Case Report.

Presented at:

- ACCP Annual Meeting, Louisville, Kentucky. October 2008.

ACKNOWLEDGEMENT

FISCAL YEAR	GOAL	SPONSOR	ROLE
2018 – 2020	Nutrition and Prostate Cancer: Parallel Group, Double-Blind, Randomized Clinical Trial with Two Arms (Phase III) https://clinicaltrials.gov/ct2/show/NCT03532308	Yale University	Lead Pharmacy Facilitator at L+M

DIDACTIC LECTURES

TOURO COLLEGE OF PHARMACY

Semester & Year	Course Title	Cr	Teaching	Role(s)	Total Hours
F2022	PBSN 508 Pharmaceutics I	3	Lecture	Teaching	8
F2022	PHPN 784 Pharmacotherapeutics IV	5	Lecture	Teaching	4.5

F2022	PHPN 650 Self Care I	2	Lecture	Teaching	2.25
F2022	PBSN 635 Pharmacokinetics	2	Lecture	Teaching	6.75
S2023	PHPN 855 Pharmacy Practice Primers	2	Seminar	Coordinator	0
S2023	PHPN 835 Seminars in Pharmacy Practice III	1	Seminar	Coordinator, Teaching	2.25
S2023	PBSN 825 Advanced Calculations	2	Lecture	Teaching	7
S2023	SBAN 670 Management Principles Applied to Pharmacy Practice	3	Lecture	Coordinator, Teaching	25
F2022	PHPN 834 Seminars in Pharmacy Practice II	1	Seminar	Coordinator	0
F2022	PBSN 508 Pharmaceutics I	3	Lecture, and Recitation	Teaching	8, and 6
F2022	PHPN 784 Pharmacotherapeutics IV	5	Lecture	Teaching	4.5
F2022	PHPN 721 Drug-induced Diseases & Toxicology	3	Lecture	Teaching	5.25
F2022	PHPN 650 Self Care I	2	Lecture	Teaching	2.25
F2022	PBSN 635 Pharmacokinetics	2	Lecture	Teaching	6.75
S2022	PBSN 825 Advanced Calculations	2	Lecture	Teaching	3
S2022	SBAN 670 Management Principles Applied to Pharmacy Practice	3	Lecture	Coordinator, Teaching	25
F2021	PHPN 839 Pharmacy Residency Primer Course	1	Lecture	Teaching	2
F2021	PBSN 508 Pharmaceutics I	3	Lecture, and Recitation	Teaching	8, and 6
F2021	PHPN 834 Seminars in Pharmacy Practice II	1	Seminar	Teaching	2.15
F2021	PHPN 784 Pharmacotherapeutics IV	5	Lecture	Teaching	4.5
F2021	PHPN 721 Drug-induced Diseases & Toxicology	3	Lecture	Teaching	5.25
F2021	PHPN 650 Self Care I	2	Lecture	Teaching	2.25

F2021	PBSN 635 Pharmacokinetics	2	Lecture	Teaching	6.75
S2021	PHPN 859 Compounding Review	1	Lecture	Teaching	1.5
S2021	PHPN 835 Seminars in Pharmacy Practice III	1	Seminar	Teaching	2.15
S2021	PHPN 733 Seminars in Pharmacy Practice I	1	Seminar	Teaching	2.25
S2021	PBSN 825 Advanced Calculations	2	Lecture	Teaching	3
S2021	SBAN 670 Management Principles Applied to Pharmacy Practice	3	Lecture	Coordinator, Teaching	25
F2020	PBSN 508 Pharmaceutics I	3	Lecture, and Recitation	Teaching	8, and 6
F2020	PHPN 784 Pharmacotherapeutics IV	5	Lecture	Teaching	4.5
F2020	PHPN 721 Drug-induced Diseases & Toxicology	3	Lecture	Teaching	5.25
F2020	PBSN 610 Pharmaceutics III	3	Laboratory	Teaching	72

PHPN 834 Seminars in Pharmacy Practice II

(Course Coordinator)

- PassNaplexNow Series

PHPN 650 – Self Care I

- Functional Foods and Meal Replacement Foods/Enteral Nutrition

PBSN 635 Pharmacokinetics

- Bioavailability/Bioequivalence and Generic Substitution
- Pharmacokinetic Models
- Geriatrics and Pediatric Considerations/Therapeutic Drug Monitoring

SBAN 670: Management Principles Applied to Pharmacy Practice (Elective; Course Coordinator)

- Marketing Principles for Pharmacy Services
- Supply Chain Management and Drug Shortages
- Community Pharmacy Management
- Business Analytics
- Business Strategies for Value-Added Services

PHPN 835 Seminars in Pharmacy Practice III

- COVID-19

PBSN 508 Pharmaceutics I

- Isotonic, Buffer, and Electrolyte Solutions

- Veterinary Pharmaceuticals
- Intravenous Calculations
- Nutrition Support

PHPN 683 Pharmacotherapeutics III

- COVID-19

PHPN 839 Pharmacy Residency Primer

- Advanced Career Planning and Continuous Professional Growth/Clinical Career Advancement

PHPN 733 – Seminars in Pharmacy Practice I

- COVID-19

PHPN 784 Pharmacotherapeutics IV

- Nutrition Support: Enteral and Parenteral Nutrition

PHPN 721 Drug-induced Diseases & Toxicology

- Toxicity of Illicit Drugs (Problem-based Learning [PBL])
- Toxicology of Metal, Household Products & Pesticides (PBL)
- Hazmat, Bioterrorism, Chemical Warfare, Carbon Monoxide

PBSN 825 Advanced Calculations

- Parenteral Nutrition

PHPN 834 Seminars in Pharmacy Practice II

- Parenteral Nutrition

PHRN 859 Compounding Review

- Parenteral Nutrition

PBSN 610 Pharmaceutics III

- Laboratory

TOURO PHYSICIAN ASSOCIATE PROGRAM

Semester & Year	Course Title	Cr	Teaching	Role(s)	Total Hours
Summer 2023	PAMN 606 Pharmacology 1	2	Teaching	Teaching	17.5

SACRED HEART UNIVERSITY PHYSICIAN ASSOCIATE PROGRAM

2017 – Present

Nutrition Support: Enteral & Parenteral Nutrition

2017 – 2020

Overview of the Gastrointestinal System

Nutrition Support: Enteral & Parenteral Nutrition

2017 – 2019 **Rapid Sequence Intubation, Hemodynamic Management,
and General Medical Toxicology**

A Primer on Fluid Resuscitation

Sodium Disorders

Other Electrolyte Disorders

WNE COLLEGE OF PHARMACY

2019 **PHAR 518 Pharmaceutical Calculations**
(Course Coordinator – Taught Entire Course)

YALE SCHOOL OF PHYSICIAN ASSOCIATE

2018 – 2020 **Nutrition Support: Enteral & Parenteral Nutrition**

2015 –2020 **Sympatholytics: Adrenoceptor Blockers**

**Sympathomimetics: Adrenergic Vasopressors and
Inotropes for Shock**

Introduction to Autonomic Pharmacology

2015 – 2018 **Neuromuscular Blockers: Cholinoreceptor Blockers and
Cholinesterase Regenerators**

**Cholinergics: Cholinoceptor-activating &
Cholinesterase-inhibiting Drugs**

YNHHS INSTITUTE FOR EXCELLENCE

May 2019 – 2020 **Project Management Foundations**

April 2019 – 2020 **Foundations of Safety, Quality, and Performance
Improvement**

KINGSBROOK UNIVERSITY

July 2013 **Management of Hypertensive Urgency and Emergency**

July 2012, 2013 **Clinical Pharmacokinetics: Vancomycin**

Clinical Pharmacokinetics: Aminoglycosides

July 2011, 2012 **An Overview on the Management of VTE**

**Developing History Taking & Physical Assessment Skills:
Abdomen**

PANELS

- November 2022 **AACP Virtual Global Symposium – Pandemic Response Around the World: Lessons Learned & Preparedness for the Future**
- May 2022 **I Got COVID-19, They Recommended a Treatment, But Then They Said They Couldn't Get Any: What Has the Pandemic Taught Us About the Supply Chain for Drugs and How Can We Improve It?**
New York Medical College (NYMC) 19th Symposium: COVID-19
- April 2022 **Medication Safety Pearl - Gastric vs. Jejunal Feeding Tube: Why the Distinction Matters**
2022 NYSCHP 60th Annual Assembly
- November 2021 **Medication Errors & Patient Safety in Mental Health (Role: Moderator)**
1199 SEIU Training and Employment Funds
- October 2021 **New York State Department of Health AIDS Institute**
HIV and COVID-19 Update
- June 2021 **HIV/PrEP Anti-Counterfeiting Pilot Community & Provider Alliance for Safe Online Pharmacies (ASOP)**
- June 2021 **AACP Virtual Global Symposium – Pandemic Response Around the World**
- April 2021 **Truths and Myths: COVID and the Vaccine**
Adelphi University, Garden City, NY
- June 2020 **Evaluator, Pharmacy Administration (0.1 CEU)**
15th Annual NYC Regional Pharmacy Residency Conference
- November 2019 **Diversity Panel – Expanding Diversity in Pharmacy: The Minority Experience and How to Transform the Field towards Acceptance (0.1 CEU)**
CSHP Catch the Wave, Cromwell, CT
- April 2019 **Pharmacy Residency Director Panel**
UConn, Storrs, CT

PRESENTATIONS

LIVE CONTINUING EDUCATION

- June 2023 **Nutrition Support in Critically Ill Adults (0.2 CEU)**
1199/SEIU Spring Webinar, NY
UAN: 0134-0000-23-111-L01-P

- Toxicology of Metal, Household Products, and Pesticides (0.2 CEU)**
1199/SEIU Spring Webinar, NY
UAN: 0134-0000-23-110-L01-P
- October 2022
- Parenteral and Enteral Nutrition Support for the Inpatient Setting (0.2 CEU)**
1199/SEIU Fall Webinar, NY
UAN: 0134-0000-22-172-L99-P
- Functional Food and Meal Replacement Therapies (0.2 CEU)**
1199/SEIU Fall Webinar, NY
UAN: 0134-0000-22-174-L99-P
- September 2022
- What's New on the Pharmacologic Treatments of *Clostridioides difficile* infections? (0.1 CEU)**
Infectious Diseases. A Six-Hour Interprofessional Symposium for Healthcare Workers.
1199/SEIU, NY
- June 2022
- Pharmacy Operations and Clinical Strategies for Optimal & Safe Inpatient Rapid Response (0.2 CEU), and Parenteral and Enteral Nutrition Safety Pearls (0.1 CEU)**
1199SEIU Funds Medication Error Prevention and Patient Safety Webinar
UAN: 0134-0000-22-118-L05-P
- May 2022
- I Got COVID-19, They Recommended A Treatment, But Then They Said They Couldn't Get Any: What Has The Pandemic Taught Us About The Supply Chain For Drugs and How Can We Improve It (1.5 AMA PRA Category 1 Credits)?**
19th Symposium on COVID-19: What Have We Learned? How Can We Use What We Have Learned?
New York Medical College
- April 2022
- To Use or Not to Use: Bicarbonate Infusion Controversies (0.1 CEU)**
SCCM Advanced Pharmacotherapy in Critical Care
- December 2021
- Pharmacological Treatment of Carotid Artery Disease (0.1 CEU)**
1199 SEIU Training and Employment Funds
- June 2021
- Sepsis in the Time of COVID-19 (0.2 CEU)**
1199/SEIU Summer Webinar, NY
UAN: 0134-0000-21-114-L01-P
- COVID-19: Population Health Strategies (0.1 CEU)**
TCOP Preceptor Development Workshop
- May 2021
- Toxicological Management of Common Illicit Drugs and HAZMATs (0.2 CEU)**

	1199/SEIU Spring Webinar, NY UAN: 0134-0000-21-082-L01-P
December 2020	Clinical Strategies on Managing Drug & Supply Chain Volatility (0.2 CEU) 1199/SEIU Fall Webinar, NY UAN: 0134-0000-20-177-L04-P
	Effects of Pharmacy-Led Transitions of Care on Population Health (0.2 CEU) 1199/SEIU Fall Webinar, NY UAN: 0134-0000-20-176-L04-P
August 2020	COVID-19 Overview for Pharmacists (0.2 CEU; Encore) 1199/SEIU Spring Webinar, NY UAN: 0134-0000-20-111-L01-P
June 2020	COVID-19 Overview for Pharmacists (0.2 CEU) 1199/SEIU Spring Webinar, NY UAN: 0134-0000-20-111-L01-P
September 2019	Managing Time for Optimal Life & Work Performance (0.1 CEU) 2 nd Annual Preceptor Bootcamp University of Saint Joseph, Hartford, CT
April 2016	Fluids, Electrolytes, and Nutrition (0.1 CEU) The Critical Care Pharmacology Lecture Series Yale-New Haven Hospital, New Haven, CT
February 2015, October 2015, April 2016	Continuous Hemodynamic Infusion Agents (0.1 CEU) Cardiac Surgery Physician Assistants/Nurse Practitioners Educational Conference Yale-New Haven Hospital, New Haven, CT
December 2014	Parenteral Nutrition in Critically-ill Adults: A Primer for the Clinical Pharmacist (0.1 CEU) 3 rd Annual Yale-New Haven Health System Pharmacy CE Day Yale-New Haven Hospital, New Haven, CT
June 2011, May 2012	A Primer on the Management of MRSA Infections (0.1 CEU) Medical Grand Rounds Kingsbrook Jewish Medical Center, Brooklyn, NY
<u>INSTITUTIONAL AND REGIONAL</u>	
February 2022	Proactive Supply Chain Management Strategies for COVID Screening and Vaccination Service TCUS Research Colloquium
2018 - 2019	Instructor for a Variety of Topics YNHH Institute for Excellence: Leadership Skills/Management Academy

- December 2019 **Epic Columns & I-Vents, RLS, and Verbal Communication & Handoff (CHAMP Behaviors)**
L+M/WH Education Noon Conference
Lawrence + Memorial Hospital, New London, CT
- July 2019 **L+M Residency Bootcamp:**
- Social & Emotional Intelligence, and Managing Time for Optimal Life & Work Performance
 - Practical Application of Biostatistics for Pharmacists and Pharmacy Students
 - Rapid Sequence Intubation, Hemodynamic Management, and General Medical Toxicology
 - Renal Impairment
 - Cardiac "Triad": Arrhythmias, CHF, and ACS
 - Antimicrobial Stewardship
 - Patient Workup: SOAP, PHARM, and RICHMAN3
- Lawrence + Memorial Hospital, New London, CT
- April 2019 **General Overview of the L+M Pharmacy Residency**
L+M/WH Education Noon Conference
Lawrence + Memorial Hospital, New London, CT
- February 2019 **Parenteral Nutrition Process**
L+M/WH Education Noon Conference
Lawrence + Memorial Hospital, New London, CT
- April 2018 **Joint Staff Meeting**
Yale-New Haven Hospital, New Haven, CT
- March 2018 **Joint Staff Meeting**
Yale-New Haven Hospital, New Haven, CT
- October 2016 **Critical Medications in the ED/ICU (Encore)**
ED/ICU Nursing Orientation
Yale-New Haven Hospital, New Haven, CT
- September 2017 **Practical Application of Biostatistics for Pharmacists and Pharmacy Students**
Pharmacy Grand Rounds
Yale-New Haven Hospital, New Haven, CT
- April 2017 **Business Success & Professional Development: Employee Engagement, Pharmacist Scorecard, and Pharmacist Career Ladder**
International Pharmacist Program
Yale-New Haven Hospital, New Haven, CT
- September 2016 **Practical Application of Biostatistics for Pharmacists and Pharmacy Students**
Pharmacy Grand Rounds
Yale-New Haven Hospital, New Haven, CT
- April 2016 **Fluid, Electrolytes, Nutrition**

- Pharmacy & Nursing Education Rounds
Yale-New Haven Hospital, New Haven, CT
- October 2015 **Critical Medications in the ED/ICU**
ED/ICU Nursing Orientation
Yale-New Haven Hospital, New Haven, CT
- October 2015 **Clinical Redesign Team: Parenteral Nutrition Utilization in Adults**
Pharmacy & Therapeutics (P&T) Committee
Yale-New Haven Hospital, New Haven, CT
- August 2015 **Pharmacy Orientation and Medication Safety Initiatives**
Nursing Orientation
Yale-New Haven Hospital, New Haven, CT
- July 2015 **Usage of Nitroprusside IV in the CTICU**
Cardiothoracic Operations Subcommittee
Yale-New Haven Hospital, New Haven, CT
- May 2015 **Aprepitant (Emend®) Drug Monograph**
Perioperative Leadership
Yale-New Haven Health System, Trumbull, CT
- January 2015 **Pharmacotherapeutic Implications of Patients on Continuous-flow Left Ventricular Assist Devices (LVADs)**
Pharmacy Grand Rounds
Yale-New Haven Hospital, New Haven, CT
- August 2014 **Pharmacotherapeutic Considerations in Patients with Enteral Nutrition**
Pharmacy Grand Rounds
Yale-New Haven Hospital, New Haven, CT
- February 2013 **Hypertensive Urgency**
Physical Medicine and Rehabilitation Residents
Kingsbrook Jewish Medical Center, Brooklyn, NY
- December 2012 **Review of Antidotes for Selected Toxicologic Emergencies**
Physical Medicine and Rehabilitation Residents
Kingsbrook Jewish Medical Center, Brooklyn, NY
- Hypoglycemia Protocol**
Physical Medicine and Rehabilitation Residents
Kingsbrook Jewish Medical Center, Brooklyn, NY
- November 2011, September 2012 **A Primer on Total Parenteral Nutrition (TPN) for the Validating Pharmacist**
Pharmacy Residents
Kingsbrook Jewish Medical Center, Brooklyn, NY
- September 2012 **Pain Management Pharmacotherapy**
Physical Medicine and Rehabilitation Residents
Kingsbrook Jewish Medical Center, Brooklyn, NY

- June 2012 **The Role of Dexmedetomidine (Precedex®) for ICU Sedation and Monitored Anesthesia Care (MAC) at KJMC**
Surgical Morbidity and Mortality Conference
Kingsbrook Jewish Medical Center, Brooklyn, NY
- January 2012 **Pain Management Pharmacotherapy**
ICU Medical Team
Kingsbrook Jewish Medical Center, Brooklyn, NY

RESIDENCY FORMAL PRESENTATIONS (2009-2011)

- 2010 – 2011 **Apixaban vs. Aspirin for Prevention of Stroke in Patients with Atrial Fibrillation**
- Myxedema Coma for a Patient in the Emergency Department**
- The Role of Quetiapine for the Management of Delirium in the Intensive Care Unit**
- Initial Medication Administration Record for a Patient during Therapeutic Hypothermia**
- An Update on the Management of Methicillin-Resistant Staphylococcus Aureus Infections**
- A Primer on β -Lactamases in the United States**
- 2009 – 2010 **Interaction between Gemfibrozil and Warfarin: A Case Report**
- Alteplase in Ischemic Stroke**
- Motor Complications Associated with Long-term use of Sinemet**
- Mechanical Ventilation for a Patient with Progressive Multiple Sclerosis**
- Restricted Antibiotic Approvals**
- Review of P-Glycoprotein Drug Interactions**
- Infective Endocarditis**
- Initial Management of Acute Pain in Postoperative Patients**

AWARDS AND RECOGNITIONS

AWARDS AND RECOGNITIONS

July 2022	Presidential Faculty Excellence Awards, Touro College & University System
January 2020	2020 SCCM Presidential Citation
December 2016	2017 SCCM Presidential Citation Reviewer Acknowledgments, <i>J Pharm Pract</i> [2016;29(6):581-2.]
November 2016	Reviewer Acknowledgments, <i>Hosp Pharm</i> [2016;51(11):952-30.]
October 2016	Honorable Mentions, Yale New Haven Health & YNHH <ul style="list-style-type: none">• Quiet Initiative Clustered Care: Pharmacy Interventions• Impact of Pharmacy & Nursing Medication Council in the CTICU
December 2015	Reviewer Acknowledgments, <i>Hosp Pharm</i> [2015;50(11):1059-60.]
January – February 2014, August 2014	Great Catch, YNHH
May 2013	1 st Place Award, 1 st Annual Research Week, KJMC
October 2012	Hospital's Employee of the Month, KJMC
December 2011	Certificate of Appreciation – Preceptor in Experiential Education, Long Island University
June 2011	Excellence in Pharmacotherapy Research, KJMC Excellence in Critical Care Pharmacotherapy, KJMC Excellence in Drug-induced Diseases & Medication Safety, KJMC Meritorious Professionalism, KJMC
June 2010	Excellence in Pharmacotherapy, KJMC Excellence in Teaching, KJMC Medication Safety, KJMC Meritorious Professionalism, KJMC
May 2009	Distinction in Honors, Long Island University
April 2008	CVS Scholarship, Long Island University (\$1,000)
May 2005	Dean's Award, Long Island University
April 2005	Alpha Chi National Honor Scholarship Society, Long Island University
2003 - 2006, 2008 - 2009	Dean's List, Long Island University

PUBLIC HEALTH SERVICES

Nov 2020 – Present	<p>Flu Vaccination (Lead)</p> <ul style="list-style-type: none"> • 2022: 4 events; 187 doses administered • 2021: 7 events; 238 doses administered • 2020: 4 events; 230 doses administered
Dec 2022 – May 2023	<p>Brown Bag (Lead) NYC Department for the Aging, Union Settlement</p>
Feb 2021 – July 2022	<p>COVID Vaccination (Lead)</p> <ul style="list-style-type: none"> • 40 events across NY Metropolitan Area • 1,589 doses administered
Sept 2020 – July 2022	<p>COVID Screening (Lead)</p> <ul style="list-style-type: none"> • 167 events across NY Metropolitan Area • 7,360 specimens processed
Oct 2021	<p>Brown Bag (Lead) NYC Department for the Aging</p>

FINANCE

TCOP REVENUE-GENERATING SERVICES

Year	Net Revenue for College	Description
2022	\$18,890	1199/SEIU Live Webinars (24 hours CE/2.4 CEU), and SUNY & Special Treatment & Research [STAR] (1 hour CE/0.1 CEU)
2022	\$500	Host Visit for Oncology Pharmacists from the <i>Japanese Society of Pharmaceutical Oncology (JASPO)</i>
2021	\$4,800	1199/SEIU Live Summer Webinar (6 hours CE/0.6 CEU)
2021	\$500	APhA Diabetes Care for Community (June)
2021	\$11,400	1199/SEIU Live Spring Webinar (12 hours CE/1.2 CEU)
2021	\$285	APhA Diabetes Care for TCOP Students (April)
2021	\$11,800	APhA Immunization Certificate w/ 1199 (March & April)
2021	\$1,425	APhA Diabetes Care for TCOP Students (Feb)
2021	\$6,745	APhA Immunization Certificate for TCOP Students (Feb)
2021	\$22,275	APhA Immunization Certificate w/ Community (Feb)
2020	\$13,440	1199/SEIU Live Fall Webinar (16 hours CE/1.6 CEU)
2020	\$7,680	1199/SEIU Live Spring Webinar (14 hours CE/1.4 CEU); Encore
2020	\$14,040	1199/SEIU Live Spring Webinar (14 hours CE/1.4 CEU)

TCOP – HOSTING OF PROFESSIONAL EVENTS

Nov 2022	<p>Host Visit for Oncology Pharmacists from the <i>Japanese Society of Pharmaceutical Oncology (JASPO)</i></p> <p>On-Site Career Fair</p>
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TCOP – SUCCESSFUL RECRUITMENT OF POSITIONS AS PART OF SEARCH COMMITTEES

2023:

- Pharmacy Practice Faculty (2.0 FTE)
- Tutor (Per Diem)

2022:

- Pharmacy Practice Faculty (3.0 FTE)
- Assistant Director of OPE (1.0 FTE)
- Tutor (Per Diem)

2020:

- Graduate Pharmacist/Pharmacy Intern (Per Diem)
- Registered Pharmacist (Per Diem)

EXECUTED BUSINESS PLANS

2020:

- Inclusion of L+M Pharmacist to YNHHS Career Ladder
- UCONN Faculty at L+M Hospital (Internal Medicine)
- L+M PGY-1 Pharmacy Residency (1.0 FTE; total of 3 pharmacy residents)

2019:

- L+M High-Risk Transitions-of-care Pharmacist (1.6 FTE)
- L+M/WH Antimicrobial Stewardship Pharmacist Specialist (1.0 FTE)
- WH Clinical Pharmacist (1.0 FTE)

2018: L+M PGY-1 Pharmacy Residency (2.0 FTE)

EDUCATIONAL GRANTS

	Year	Amount	Grant Sponsoring Company Name and Description
1.	2022	\$2,000	Research!America for a Pharmacy Brown Bag Event by the Student Society of Health-Systems Pharmacists (SSHP) of TCOP
2.	2013	\$5,000	Pfizer (x2), Janseen Pharmaceuticals, Forest Pharmaceuticals, AstraZeneca LP -used for CE programs and fiscal budget of the Royal Counties of NY Health System Pharmacists (RCNYSCHP)
3.	2012	\$8,000	Forest Pharmaceuticals, Progressive Med Inc., Gilead, Boehringer Ingelheim, Janseen Pharmaceuticals (x2), Pfizer, AstraZeneca LP -used for CE programs and fiscal budget of the RCNYSCHP
4.	2011	\$1,000	AstraZeneca LP -used for CE programs and fiscal budget of the RCNYSCHP

CLINICAL INITIATIVES

YALE NEW HAVEN HEALTH

COST MANAGEMENT

FISCAL YEAR	GOAL	ANNUAL COST SAVINGS
2019 – 2020	Antimicrobial Stewardship	\$192,142 (LMH/WH only)
2019	Warfarin MUE	N/A
2018 – 2019	Outpatient Medications that require additional approval for administration in the Inpatient Setting (OMIS)	\$1.5 million
2018	Dyslipidemia MUE	\$17,000

2017	Proton pump inhibitor stewardship	\$145,440 (YNHH only)
2017	Desmopressin IV MUE	\$74,558
2017	Hypophosphatemia Management MUE	\$23,500
2017	Esmolol IV MUE	\$19,149
2017	Rituximab IV MUE	\$45,106
2017	Sodium Bicarbonate IV MUE	\$6,300
2016	Ethacrynic Acid IV MUE	\$98,082
2014	Heparin IV MUE	N/A
Net (2013 – 2020)		\$2,121,277

DRUG MONOGRAPHS

FISCAL YEAR	GOAL
2019 – 2020	Ciprofloxacin Otic
2015	Aprepitant
2016	Hyaluronidase

MEDICATION SAFETY AND QUALITY METRICS

FISCAL YEAR	GOAL
2019 – Present	YNHHS Discharge Medication Reconciliation
2019 – Present	ICU Transition-of-Care Pilot
2019	Discharge Medication Reconciliation Pilot (L+M)
2018	Resident Scorecard
2017-2018	YNHHS Comprehensive Dashboard
2016	Alteplase-Dornase Intrapleural
2015	Should Not Crush Medication Epic Optimization
2015	Clinical Redesign Team: Parenteral Nutrition Utilization in Adults

KINGSBROOK JEWISH MEDICAL CENTER

MEDICATION SAFETY

FISCAL YEAR	GOAL
2013	Parenteral Nutrition Ordering Pathway
2013	Stroke Clinical Pathway
2011	Pediatric IV Dosing Chart
2011	Adult Code Cart Medications Dosage and Administration Guide

***POLICIES, STANDARD OPERATING PROCEDURES,
PROTOCOLS, AND GUIDELINES***

TOURO COLLEGE OF PHARMACY

July 2020 Vaccine Refrigerator & Freezer Policy and Procedures

YALE NEW HAVEN HEALTH

December 2019 L+M/WH Antimicrobial Stewardship Standard Operating Procedure

October 2018 Pharmacist Career Ladder (revision)

September 2018	Pharmacist Callout Standard Operating Procedure
April 2018	Adult and Adolescent Parenteral Nutrition (revision)
January 2018	Rituximab Inpatient Use Guidelines for Oncology and Non-Oncology Indications
February 2016	Anticoagulation/Antithrombotic Guidelines for Neuraxial or Peripheral Nerve Procedures: Adult Patients
November 2015	Adult and Adolescent Parenteral Nutrition

KINGSBROOK JEWISH MEDICAL CENTER

September 2013	Surgical Care Improvement Project: Prophylactic Antibiotic
June 2013	IV Restriction and Administration
February 2013	Guidelines for Medication Management of Shivering for Therapeutic Hypothermia after Cardiac Arrest
July 2012	Compounding Recipe: Magic Mouthwash
June 2012	IV Titration and Holding Parameters for all Cardiovascular Medications
February 2011	Intra-abdominal Infection Protocol
October 2010	Diabetic Ketoacidosis Protocol in the ED
March 2010	Procrit® in the LTC
April 2010	Care Coordination Improvement Project – Chronic Heart Failure

COMMITTEES

TOURO COLLEGE OF PHARMACY

FISCAL YEAR	Committee	Role
2020 – 2023	Admissions	Vice Chair (2021-Present)
2020 – 2023	Honors, Awards, and Scholarship	At-large
2022 – 2023	Faculty, Staff and Preceptor Development	At-large
2022 – 2023	Assessment	At-large
2020 – 2023	Global Health	At-large
2020 – 2022	Research	At-large
2020 – 2022	Co-Curriculum	At-large
2020 – 2022	Health and Wellness	Vice Chair (2020-2022)

YALE NEW HAVEN HEALTH

FISCAL YEAR	Committee	Role
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2020	YNHHS Research & Grant Standardization	Member
2019 – 2020	L+M Residency Advisory	Chair
2019 – 2020	L+M/WH High-Risk Readmission Task Force	Member
2018 – 2020	YNHHS Formulary Integration (FIC)	Member
2018 – 2020	L+M/WH Pharmacy & Therapeutics (P&T)	Co-chair
2018 – 2020	YNHHS Antimicrobial Stewardship	Member
2018 – 2020	YNHHS Pharmacy Clinical Education	Member
2018 – 2020	YNHHS Ambulatory Anticoagulation Steering	Member
2018 – 2020	YNHHS Anticoagulation and Cardiology FIC	Member
2018 – 2020	YNHHS Pediatric FIC Subcommittee	Member
2018 – 2020	YNHHS Pediatric P&T Subcommittee	Member
2018 – 2020	YNHHS Oncology P&T FIC Subcommittee	Member
2018 – 2020	YNHHS Endocrine FIC Subcommittee	Member
2018 – 2020	YNHHS Psychiatry FIC Subcommittee	Member
2018 – 2020	YNHHS Clinical Decision Support FIC Subcommittee	Member
2018 – 2020	LMH/WH Falls	Member
2018 – 2020	LMH Pediatric Quality Council	Member
2018 – 2020	LMH ED Leadership	Member
2018 – 2020	LMH and WH Stroke	Member
2018 – 2020	LMH Critical Care	Member
2018 – 2020	YNHHS Ambulatory Care PAI	Member
2018 – 2020	YNHHS Pharmacy Professional Governance Committee	Member
2018 – 2020	FIC Radiology	Member
2018 – 2020	YNHHS Diversity & Inclusion Committee	Member
2016 – 2020	YNHHS Critical Care	Member
2016 – 2020	YNHHS Clinical PAI	Member
2016 – 2020	Medication Cost Management Strategies (MC ²)	Member
2016 – 2020	YNHHS Epic Clinical Workflow Committee	Member
2014 – 2020	YNHHS Residency Advisory Board	Member
2016 – 2018	YNHHS Pharmacist Career Ladder	Chair
2016 – 2017	SRC Emergency Department Patient Safety	Member
2014 – 2018	YNHH Nutrition	Member
2014 – 2018	YNHH CTICU Operations Subcommittee	Member
2014 – 2016	YNHH Cardiology Subcommittee	Member

KINGSBROOK JEWISH MEDICAL CENTER

FISCAL YEAR	Committee	Role
2011 – 2013	ICU	Chair
2011 – 2013	CODE	Member
2011 – 2013	Antibiotic Subcommittee	Member
2009 – 2013	P&T	Member
2010	Adverse Drug Events	Member
2009	Long-term Care P&T	Member
2009	Medication Errors	Member

PROFESSIONAL SOCIETIES

MEMBERSHIP

2021 – Present

AACP

2020 – Present	NYS ACCP
2020 – Present	RCNYSCHP
2010 – Present	SCCM
2008 – Present	ACCP
2008 – Present	ASHP
2019 – 2020	Vizient
2015 – 2019	CSHP
2009 – 2014	RCNYSCHP
2006 – 2009	APhA

COMMITTEES: SOCIETY OF CRITICAL CARE MEDICINE (SCCM)

2016 – 2020	Member, Undergraduate Education
2016 – 2018	Member, Program Improvement Work Group
2016	Reviewer, Abstracts for Annual Congress 2017
2012 – 2017	Member, Medication Use Safety Task Force

JOURNAL REVIEWER EXPERIENCE

2020 – Present	<i>Journal of International Medical Research</i>
2015 – Present	<i>Hospital Pharmacy</i>
2009 – Present	<i>The Journal of Pharmacy Practice</i>
2011 – 2013	<i>American Journal of Critical Care</i>
2011 – 2013	<i>American Journal of Health-System Pharmacist</i>
2010 – 2013	<i>Critical Care Medicine</i>
2013 – 2014	<i>British Journal of Medicine</i>
	<i>Pain Journal</i>

MISCELLANEOUS

TELEVISION & MEDIA APPEARANCE

Touro University: The Faculty Chronicles Podcast

["Medical Community Service with Dr. Michael Liu"](#)

May 3rd, 2023

"Getting the Point: How Racism and Mistrust Tainted the Covid-19 Vaccine"

Represent Our Voice with CNN political commentator Karen Finney

TV ONE

February 27th, 2021, 9AM ET

TOURO COLLEGE OF PHARMACY ACADEMIC ADVISING

1. Olive Nwosu, 2022
2. Angy Ahmed, 2024
3. Dania Yousef, 2024
4. Komalpreet Kaur, 2025
5. Annette Feanny, 2025
6. Christian Yearwood, 2022 (Jan-April 2022)
7. Kibum Kim, 2022 (Jan-April 2022)
8. Leila Hessam, 2023 (Jan-April 2022)
9. Toni Mikhael, 2024 (Jan-April 2022)
10. Ann Paintsil, 2025 (Jan-April 2022)

YALE NEW HAVEN HEALTH MENTORSHIP PROGRAM

1. Tori Lucero, Pharm.D., PGY-1 Pharmacy Residency, 2018-2019
2. Muhammad Effendi, Pharm.D., PGY-1 Pharmacy Residency, 2016-2017, and PGY-2 Critical Care Pharmacy Resident, 2017-2018
3. Oksana Kucher, Pharm.D., PGY-2 Critical Care Pharmacy Resident, 2017-2018
4. Samad Tirmizi, Pharm.D., PGY-2 Infectious Diseases Pharmacy Residency, 2016-2017
5. Jaime Sicoli, Pharm.D., Clinical Pharmacist

RESIDENTS TRAINED

1. Veronica Lee, Pharm.D. completed a PGY-1 Pharmacy Residency on June 2020 at L+M Hospital, New London, Connecticut. 1st Position: Multispecialty Clinical Pharmacist, L+M, New London, CT
2. Raymond Hau, Pharm.D. completed a PGY-1 Pharmacy Residency on Oct 2020 at L+M Hospital, New London, Connecticut. 1st Position: Critical Care Clinical Pharmacist, Greenwich Hospital, Greenwich, CT
3. Muhammad Effendi, Pharm.D. completed a PGY-2 Critical Care Pharmacy Residency on July 2018 at YNHH, New Haven, Connecticut. 1st Position: Faculty, Rutgers University, NJ
4. Oksana Kucher, Pharm.D., BCPS completed a PGY-2 Critical Care Pharmacy Residency on July 2018 at YNHH, New Haven, Connecticut. 1st Position: Multispecialty Pharmacist, YNHH, New Haven, CT
5. Jackie Johnston, Pharm.D., BCPS completed a PGY-2 Critical Care Pharmacy Residency on July 2017 at YNHH, New Haven, Connecticut. 1st Position: Faculty, Rutgers University, NJ
6. Audrey Littlefield, Pharm.D., BCPS completed a PGY-2 Critical Care Pharmacy Residency on July 2016 at YNHH, New Haven, Connecticut. 1st Position: Clinical Pharmacy Manager – CTICU, New York

Presbyterian Hospital, New York, NY.

7. Steve Lemieux, Pharm.D., BCPS completed a PGY-2 Critical Care Pharmacy Residency on July 2016 at YNHH, New Haven, Connecticut. 1st Position: Assistant Professor, Department of Pharmacy Practice & Administration, University of Saint Joseph, Hartford, CT.
8. Phillip Lee, Pharm.D., BCPS completed a PGY-2 Infectious Diseases Pharmacy Residency on July 2015 at YNHH, New Haven, Connecticut. 1st Position: Clinical Pharmacist – Pediatric Infectious Diseases, Montefiore Medical Center, Bronx, NY
9. Samantha Smalley, Pharm.D., BCPS completed a PGY-1 Pharmacy Residency on July 2013, then completed a PGY-2 Critical Care Pharmacy Residency on July 2014 at KJMC, Brooklyn, NY. Last training date: 11/1/2013. 1st Position: Clinical Pharmacist – Emergency Medicine, NY University Langone Medical Center, New York, NY
10. Benjamin Wee, B.S., Pharm.D., BCPS completed a PGY-1 Pharmacy Residency on July 2012, then completed a PGY-2 Critical Care Pharmacy Residency on July 2013 at KJMC, Brooklyn, NY. 1st Position: Clinical Pharmacist Specialist – Critical Care, Lennox Hill Hospital, New York, NY

COMPUTER SKILLS: Microsoft Excel®, Word®, Outlook®, and PowerPoint®