

Shawna Lee Kraft, PharmD, BCOP

Address

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Education

December 2009- Present	Board Certified Oncology Pharmacist
September 2002- June 2006	Doctor of Pharmacy University of Michigan, College of Pharmacy, Ann Arbor, MI
September 1999- April 2002	Bachelor of Science in Biology University of Michigan, College of Literature, Science, and the Arts Ann Arbor, MI
September 1997- May 1999	Pre-Health Curriculum Muskegon Community College, Muskegon, MI

Post-Graduate Training

July 2007- June 2008	ASHP Accredited PGY2 Oncology Pharmacy Residency University of Michigan Health System, Ann Arbor, MI Program Director: Emily Mackler, PharmD, BCOP
July 2006- June 2007	ASHP Accredited PGY1 Pharmacy Residency University of Michigan Health System, Ann Arbor, MI

Work Experience

July 2016- Present	Clinical Pharmacist, Specialist, Genitourinary Cancer Clinic Michigan Medicine, Rogel Cancer Center, Ann Arbor, MI
July 2016- Present	Clinical Pharmacist, Specialist, Breast Cancer Clinic Michigan Medicine, Rogel Cancer Center, Ann Arbor, MI
December 2013- Present	Clinical Pharmacist, Specialist, Melanoma Clinic University of Michigan Rogel Cancer Center, Ann Arbor, MI

Work experience continued

July 2012- Present	PGY2 Oncology Residency, Program Director
May 2015- August 2018	Clinical Pharmacist, Specialist, Head and Neck Cancer Clinic University of Michigan Rogel Cancer Center, Ann Arbor, MI
October 2010- June 2016	Clinical Pharmacist, Specialist, Symptom Management & Supportive Care Clinic University of Michigan Rogel Cancer Center, Ann Arbor, MI <ul style="list-style-type: none">• Anemia Management program (Lead Pharmacist 2012-April 2014)• Oral Medication for Cancer Therapy Program Clinical Lead (April 2012-June 2016)
August 2008- October 2012	Clinical Pharmacist, Specialist, Hematology/Oncology University of Michigan Health System, Ann Arbor, MI
July 2006- December 2011	Staff Pharmacist, Hospital and Outpatient Infusion Cancer Center University of Michigan-Health System, Ann Arbor, MI

Academic Appointments

September 2012- Present	Clinical Assistant Professor University of Michigan College of Pharmacy, Ann Arbor, MI
August 2008- August 2012	Adjunct Clinical Assistant Professor University of Michigan College of Pharmacy, Ann Arbor, MI
July 2006- June 2008	Adjunct Clinical Pharmacy Instructor University of Michigan College of Pharmacy, Ann Arbor, MI

Awards and Scholarships

2019	Michigan Society of Health System Pharmacists President's Award Theme: Achieving Patient Outcomes Michigan Medicine Rogel Cancer Center-Ambulatory Oncology Pharmacists: Shawna Kraft, Shannon Hough, Rachel McDevitt, Anna Brown, Victoria Nachar, Catherine Christen, David Frame, Lydia Benitez
2019	Faculty Preceptor of the Year nominee
2017	P3 Faculty Appreciation Award
2017	Michigan Pharmacists Hall of Honor
2016, 2020	Teaching excellence award nominee
2012, 2017-2019	Preceptor of the year nominee University of Michigan, College of Pharmacy

Awards and Scholarships continued

- 2012 UMHS Clinical Services Program of the Year, honorable mention
UMCCC Oral Medication for Cancer Therapy Program
Members: Emily Mackler, PharmD BCOP, Shawna Kraft, PharmD, BCOP
Suzette Walker, FNP-C, AOCNP, DNP, Dawna Allore, RN
Dana Selwitz-Zacks, LMSH, MPH (amenities and practical assistance)
Joan Erskine (business services team)
- June 2009-
2014 Board Member, University of Michigan College of Pharmacy Alumni
Board of Governors, elected by University of Michigan College of
Pharmacy Alumni.
- Alumni Mentor for Pharmacy Students
 - Annual Golf Outing and Fund Raiser
 - College of Pharmacy Recruitment Efforts
 - Co-chair for 1st Annual Pharmacy Phun Run
- May 2006 Dean's Professionalism Award
University of Michigan, College of Pharmacy, Ann Arbor, MI

Select Research Experience

- Coe-Eisenberg T, Schepers A, Pike S, **Kraft S**. Efficacy, Cost and Toxicity of Nivolumab and Pembrolizumab. July 2020-present
Role: Conceptualization, design, manuscript preparation
- Ni W, Kaspari S, Powell K, Alva A, **Kraft S**. Use and Impact of Immunosuppressives in Cancer Patients Receiving Immunotherapy. July 2019-present.
Role: Conceptualization, design, manuscript preparation
- Friese C, Shelton B, **Kraft S**, Olsen M, Polovich M, Aebbersold M, Farris K. Multi-Modal Interprofessional Training to Improve Chemotherapy Safety. 1R25CA214227-01 November 2015-present (\$1,285,964 funded, 10% effort)
Role: Content development and presentation, administration of research program, critical review
- Kraft S**, Dorsch M, Sterns A, Farris K. The validation of a novel adherence method for oral oncolytics. September 2014-April 2019 (\$50,000 funded, 12% effort)
Role: Conceptualization, design, study coordination, manuscript preparation, corresponding author
- Shango M, Yentz S, **Kraft S**, Redman B, Alva A. Pilot Study of Pazopanib with Low Fat Meal (PALM) in Advanced Renal Cell Carcinoma. July 2016-August 2018.
Role: Conceptualization, consenting of patients, writing
- Wu A, **Kraft S**. Comparing Mucositis Rates with Everolimus in Patients with Breast Cancer to Patient with Renal Cell Carcinoma. April 2014- March 2016
Role: Conceptualization, design, data analysis, manuscript preparation

Select Research Experience continued

Marini B, Koselke E, **Kraft S**, Mackler E. Evaluation of Patient and Provider Satisfaction with a Pharmacist Managed Outpatient Oral Anticancer Program September 2012-September 2014
Role: Conceptualization, design, writing, critical review

Tran M, Howle E, **Kraft SL**, Christen C, Lebovic R. Clinical Outcomes and Prescribing Practices of Carboplatin in Adult Patients. September 2011-April 2013
Role: Conceptualization, design, data analysis, manuscript preparation

Kraft SL, Gomez W, Gallagher C, Thatcher E, Gatwood J. Cancer Patient's Perceptions and Use of Medical Marijuana. February 2011-June 2013
Role: Conceptualization, design, consenting of patients, data analysis, manuscript preparation

Publications

Peer-Reviewed Publications

1. Homan MJ, Reid JH, Nachar VR, Benitez LL, Brown AM, **Kraft S**, Hough S, Christen C, Frame D, McDevitt RL. Implementation and outcomes of a pharmacist-led collaborative drug therapy management program for oncology symptom management. Support Care Cancer. 2021 Apr 27. doi: 10.1007/s00520-021-06239-0. Online ahead of print.
Role: Writing, critical review
2. Mathew J, **Kraft S**, Bostwick J. Opportunities for pharmacists to impact student health on college campuses. J Am Coll of Clin Pharm. 2021 April 1. doi.org/10.1002/jac5.1433. Online ahead of print.
Role: Writing, critical review
3. Aebersold ML, **Kraft S**, Farris KB, Scherdt M, Olsen M, Polovich M, Shelton BK, Montgomery GH, Friese CR. Evaluation of an Interprofessional Training Program to Improve Cancer Drug Therapy Safety. JCO Oncol Pract. 2021 Feb 12:OP2000816. doi: 10.1200/OP.20.00816. Online ahead of print.
Role: Content development and presentation, administration of research program, critical review
4. Hough S, McDevitt R, Nachar VR, **Kraft S**, Brown A, Christen C, Frame D, Smerage JB. Chemotherapy Remote Care Monitoring Program: Integration of SMS Text Patient-Reported Outcomes in the Electronic Health Record and Pharmacist Intervention for Chemotherapy-Induced Nausea and Vomiting. JCO Oncol Pract. 2021 Feb 3:OP2000639. doi: 10.1200/OP.20.00639. Online ahead of print.
Role: Conceptualization, data collection, data analysis, writing, critical review
5. Kempke A, **Kraft S**, Castells M, Ravikumar R, Van Poznak C. Desensitization Permits Continued Trastuzumab and Ado-Trastuzumab Emtansine Therapy After Hypersensitivity Reaction. J Hematol Oncol Pharm.2020;10(6):380-383
Role: Conceptualization, writing, critical review

Peer-Reviewed Publications continued

6. Reimers MA, Shango MM, Daignault-Newton S, Dedinsky R, Karsies D, **Kraft S**, Riddle L, Felton JA, Wen B, Gersch C, Rae JM, Redman BG, Alva AS. Pazopanib with low fat meal (PALM) in advanced renal cell carcinoma. *Invest New Drugs*. 2019 Apr;37(2):323-330.
Role: Conceptualization, consenting of patients, writing
7. Tang S, Bostwick J, Wells T, **Kraft S**. Mothers in Academic Pharmacy. *Curr Pharm Teach Learn*. 2018 Sep;10(9):1168-1170.
Role: Conceptualization, writing, critical review, corresponding author
8. Mar cath LA, Xi J, Hoylman EK, Kidwell KM, **Kraft SL**, Hertz DL. Comparison of Nine Tools for Screening Drug-Drug Interactions of Oral Oncolytics. *J Oncol Pract*. 2018 Jun;14(6):e368-e374. doi: 10.1200/JOP.18.00086. Epub 2018 May 22.
Role: data collection (abstracted from another project), review
9. Marini B, Koselke E, **Kraft S**, Allore D, Mackler E. Implementation of and satisfaction with an outpatient oral anticancer program. *J Hematology/Oncology Pharm* 2015 Sept;5(3):62-68
Role: Conceptualization, program supervision, writing, critical review
10. Ashjian EJ, Salamin LB, **Kraft S**, Eschenburg K, Mackler, E. Evaluation of Outpatient Medication Reconciliation Involving Pharmacy Students at a Comprehensive Cancer Center. *J Am Pharm Assoc (2003)*. 2015 Sep-Oct;55(5):540-5
Role: Conceptualization, program supervision, critical review
11. **Kraft SL**, Baker NM, Carpenter J, Bostwick JR. Procarbazine and antidepressants: a retrospective review of the risk of serotonin toxicity. *Psycho-Oncology*. 2014 Jan;23(1):108-13
Role: Conceptualization, data collection, data analysis, writing, critical review, corresponding author
12. Koselke E, **Kraft S**. Chemotherapy Induced Diarrhea: Options for Treatment and Prevention. *J Hem/Onc Pharm*. 2012 Dec; 2(4):143-151.
Role: Conceptualization, writing, critical review, corresponding author
13. Koselke E, **Kraft S**, Smith J, Nagel J. Evaluation of the Effect of Obesity on Voriconazole Serum Concentrations. *J Antimicrob Chemotherapy*. *J Antimicrob Chemother*. 2012 Dec;67(12):2957-62
Role: Conceptualization, data analysis, writing, critical review
14. **Kraft SL**, Johnson CE, Tyler R. Stability of oral liquid preparation of thalidomide 20 mg/mL in syrup. *Am J Health Syst Pharm* 2012 Jan 1;69(1):56-8
Role: Conceptualization, data collection, data analysis, writing, critical review, corresponding author
15. **Kraft SL**, Mackler ER, Schlickman P, Welch K, DePestel DD. Outcomes of therapy: vancomycin-resistant enterococcal bacteremia in a hematology and bone marrow transplant population. *Supportive Care in Cancer* 2011 Dec;19(12):1969-74
Role: Conceptualization, data collection, data analysis, writing, critical review

Peer-Reviewed Publications continued

16. **VanDeKoppel SL**, Choe HM, Sweet BV. Managed care perspective on three new agents for Type 2 diabetes. *J Manag Care Pharm.* 2008 May;14(4):363-80.
Role: Writing, critical review
17. **VanDeKoppel SL**. Continuity of Care: Can the whole health care team be linked together? APhA-ASP report. *JAPhA.* 2006;46(4) 432-433
Role: conceptualization, writing, critical review, corresponding author
18. Johnson CE, **VanDeKoppel SL**, Myers EJ. Stability of Anhydrous Theophylline in extemporaneously prepared oral suspensions. *Am J Health Syst Pharm.* 2005;62 2518-2520
Role: data collection, data analysis, writing, critical review

Peer-Reviewed Chapters/Monographs

- O'Malley MW, Everett J, **Kraft S**. Genetics and Tumor Biology. Chapter 37; Oncology Boards Flash Review. 2013
Role: writing, critical review
- Esper R, **Kraft S**. Hematology/Oncology Pharmacology. Chapter 39; Oncology Boards Flash Review. 2013
Role: writing, critical review
- VanDeKoppel SL**, Mackler ER, Frame D. Tyrosine Kinase Inhibitors: UHC Class Review Monograph. September 2008.
Role: writing, critical review

Professional Publications

- VanDeKoppel SL. Chemoangels. American Pharmacists Association New Transitions Spring Newsletter 2008.
- VanDeKoppel SL. Drug Update: Nilotinib. HOPA newsletter. Winter 2008.

Publications in Preparation

- Warrier G, Homan M, **Kraft S**, Lao C, Yentz S, Fecher LA. Treatment Related Toxicities Associated with Combination BRAF and MEK inhibitor Treatment in Resected (Adjuvant) Stage III and IV Melanoma. *The Oncologist*
Role: Conceptualization, data analysis, writing, critical review
- Smrke R, Rida N, **Kraft S**. Innovative use of students: Development of a virtual on-call program in ambulatory oncology.
Role: Conceptualization, writing, critical review, corresponding author
- Kraft S**, McDevitt R, Dorsch M, Sterns T, Farris K. The validation of a novel adherence method for oral oncolytics.
Role: Conceptualization, design, study coordination, manuscript preparation, corresponding author

Invited Presentations (Continuing Education)

National Presentations

April 2019	Hematology Oncology Pharmacists Association BCOP Updates webinar: Updates in Melanoma
June 2018	NCCN Pharmacy Series Webinar: New and Emerging Treatment Options for Melanoma
March 2018	Innovative use of students Hematology/Oncology Pharmacist Association Annual meeting Denver, CO
December 2016	Development of a Collaborative Talimogene Laherparepvec Workflow in a Comprehensive Cancer Center (Management Case Study) American Society of Health-System Pharmacists, Las Vegas, NV
March 2015	Pharmacist Competency or Certification for Oral Chemotherapy Management Program Hematology/Oncology Pharmacists Association Annual Meeting, Austin, TX
December 2014	Practice Changing Clinical Data in Multiple Myeloma: New Strategies for the Hospital Pharmacist American Society of Health-System Pharmacists, Anaheim, CA
April 2012- October 2012	Dosing and Administration Challenges for Patients with Multiple Myeloma: Understanding the problem, finding solutions. Minnesota Society of Health-System Pharmacists, St. Cloud, MN New York Society of Health-System Pharmacists, Saratoga, NY New Jersey Society of Health-System Pharmacists, East Rutherford, NJ Louisiana Society of Health-System Pharmacists, New Orleans, LA Illinois Council of Health-System Pharmacists, Chicago, IL New Mexico Society of Health-System Pharmacists, Albuquerque, NM Pennsylvania Society of Health-System Pharmacists, Lancaster, PA
March 2012	Cases in Multiple Myeloma and Myelofibrosis: Dosing and Administration Challenges – Strategies for Effective Decision-Making. Hematology/Oncology Pharmacists Association Annual Meeting, Orlando, FL
June 2011	Chemotherapy induced nausea and vomiting webinar
March 2011	Best Practices for the Management of Chemotherapy-Induced Nausea and Vomiting (CINV): A Value-Based Approach. Clinical Discussion: Modes of action, pharmacology, and activity of novel agents. The Association for Value-Based Cancer Care's (AVBCC) First Annual Stakeholder Integration Conference, Philadelphia, PA

National Presentations continued

September 2010-
March 2011 Pharmacist's role and perspective: system variation in the delivery of care for the multiple myeloma patient.
Illinois Society of Health-System Pharmacists Chapter Meeting, Chicago, IL
New York Society of Health-System Pharmacists Chapter Meeting, New York, NY

State Presentations

April 2021 Covid-19 Vaccine & Cancer Survivors webinar

October 2020 Establishing Pharmacy Professionals in Unique Roles
Michigan Society of Health System Pharmacy Annual meeting

February 2019 Innovative Use of Students
Michigan Pharmacists Association Annual Meeting, Detroit, MI

May 2018 Immunotherapy Adverse Effects
Michigan Society of Hematology/Oncology Oncology Pharmacist Forum
Troy, MI

February 2013 Updates in Oral Chemotherapy
Michigan Pharmacists Association Annual Meeting and Exposition
Detroit, MI

November 2012 Updates in Chemotherapy
Michigan Society of Health System Pharmacists Annual Meeting
Grand Rapids, MI

October 2013 Tumor Lysis and Oncologic Emergencies
Western Michigan Society of Health System Pharmacists
Kalamazoo, MI

February 2011 The New, the Old and the Bold: New Drugs in Oncology and an Update from ASH 2010. Michigan Pharmacists Association Annual Convention & Exposition

June 2010 Ur doing Gr8! ☺: Providing Feedback in the Millennial Age
Michigan Society of Health-System Pharmacists Residency Conference
Lansing, Michigan

June 2009 Evaluating Preceptors: Residents Perspective
Michigan Society of Health-System Pharmacists Residency Conference
Okemos, Michigan

November 2008 Oncology Pearls: Tyrosine Kinase Inhibitors
Michigan Society of Health-System Pharmacists Annual Meeting
Lansing, Michigan

Local Presentations

- April 2019 Medicinal Cannabis
Breast Care Center Education Forum, University of Michigan, Rogel
Cancer Center, Ann Arbor, MI
- May 2017 Making it Happen in Your Practice Setting: Exemplars and Best Practices:
Students incorporated into oral oncolytic program
University of Michigan, College of Pharmacy Preceptor Symposium
Ann Arbor, MI
- October 2015 Deprescribing: What and When to Stop Medications
University of Michigan, College of Pharmacy Annual Pharmacy lectures
Ann Arbor, MI
- April 2013 Chemotherapy Induced Nausea and Vomiting
University of Michigan Cancer Center nursing inservice
- January 2011 Recipe for Leadership. Phi Delta Chi's 1st Annual Leadership Seminar
University of Michigan, College of Pharmacy, Ann Arbor, MI
- June 2010 Treatment of chemotherapy induced emesis
Chemotherapy/biotherapy course for nurses (oncology nursing
orientation)
University of Michigan Cancer Center
- January 2008 Review of Tyrosine Kinase Inhibitors
University of Michigan Pharmacy Faculty & Students, University of
Michigan Medical Center, Ann Arbor, MI
- January 2007 Exenatide, Pramlintide and Sitagliptin—What is their place in therapy?
University of Michigan Pharmacy Faculty & Students, University of
Michigan Medical Center, Ann Arbor, MI

Research Presentations

- April 2019 Research Grant Presentation: The validation of a novel adherence
method for oral oncolytics
HOPA Annual meeting, Ft. Worth, Texas

Industry Supported Presentations (non-Continuing education)

- May 2016-
December 2016 Considerations for the pharmacist when treating with an Ixazomib
regimen
Boston, MA
Southfield, MI
New York City, NY
Cleveland, OH
Detroit, MI
Ann Arbor, MI

Posters

- April 2021 Hematology Oncology Pharmacists Association Annual Meeting
- December 2020 Efficacy, Cost and Toxicity of Nivolumab and Pembrolizumab
American Society of Health-System Pharmacists-Midyear Clinical Meeting
- December 2017 Efficacy and Dose Range of Gabapentin for the Reduction of Neuropathic Oral Mucositis Pain in Head and Neck Cancer Patients Receiving Chemoradiotherapy
American Society of Health-System Pharmacists-Midyear Clinical Meeting, Orlando, FL
- June 2017 Pilot Study of Pazopanib with Low Fat Meal (PALM) in Advanced Renal Cell Carcinoma
American Society of Clinical Oncology Annual Meeting
Chicago, Illinois
- December 2016 The Efficacy of Antihypertensives in metastatic Renal Cell Carcinoma (mRCC) with Vascular Endothelial Growth Factor Receptor (VEGFR) inhibitor-induced Hypertension
American Society of Health-System Pharmacists-Midyear Clinical Meeting, Las Vegas, NV
- December 2015 Comparing Mucositis Rates with Everolimus in Patients with Breast Cancer to Patient with Renal Cell Carcinoma
American Society of Health-System Pharmacists-Midyear Clinical Meeting, New Orleans, LA
- Assessing Oral Adherence with Oral Oncolytics
American Society of Health-System Pharmacists-Midyear Clinical Meeting, New Orleans, LA
- December 2014 Evaluation of a Pharmacist in a Cancer Clinic
Poster Presentation
American Society of Health-System Pharmacists-Midyear Clinical Meeting, Anaheim, CA
- December 2013 Effects of continuing clofarabine therapy in adult AML patients despite LFT abnormalities
Poster Presentation
American Society of Health-System Pharmacists-Midyear Clinical Meeting, Orlando, FL
- December 2013 Clinical Outcomes and Prescribing Practices of Carboplatin in Adult Patients
Poster Presentation
American Society of Health-System Pharmacists-Midyear Clinical Meeting, Orlando, FL

Posters continued

- March 2013 Evaluation of Patient and Provider Satisfaction with a Pharmacist Managed Outpatient Oral Anticancer Program
Poster Presentation
Hematology/Oncology Pharmacists Association Annual Meeting
Orlando, FL
- December 2012 Evaluation of Patient and Provider Satisfaction with a Pharmacist Managed Outpatient Oral Anticancer Program
Poster Presentation
American Society of Health-System Pharmacists-Midyear Clinical Meeting, Las Vegas, NV
- December 2012 Cancer Patients' Perceptions of Medical Marijuana
Poster Presentation
American Society of Health-System Pharmacists-Midyear Clinical Meeting, Las Vegas, NV
- May 2012 Procarbazine and antidepressants: a retrospective evaluation of the risk of serotonin toxicity
Poster Presentation
College of Psychiatric & Neurologic Pharmacists Annual Meeting
Tampa, FL
- March 2012 Efficacy and Cost-Avoidance of Fixed-Dose Rasburicase in Adult and Pediatric Patients
Poster Presentation
Hematology-Oncology Pharmacists Association Annual Meeting, Orlando, FL
- December 2011 Procarbazine and antidepressants: a retrospective evaluation of the risk of serotonin toxicity
Poster Presentation
American Society of Health-System Pharmacists-Midyear Clinical Meeting, New Orleans, LA
- June 2008 Assessment of: Vancomycin-resistant enterococcal bacteremia in a hematology and bone marrow transplant population: outcomes and risk factors associated with treatment failure
Poster Presentation
Hematology-Oncology Pharmacists Association Annual Meeting, Anaheim, CA
- December 2007 Assessment of: Vancomycin-resistant enterococcal bacteremia in a hematology and bone marrow transplant population: outcomes and risk factors associated with treatment failure
Poster Presentation
American Society of Health-System Pharmacists-Midyear Clinical Meeting, Las Vegas, NV

Posters continued

December 2006 Effects of High Dose vs Standard Dose Statins in Acute Coronary Syndrome
Poster Presentation
American Society of Health-System Pharmacists-Midyear Clinical Meeting, Anaheim, CA.

Teaching Experience

Didactic Teaching

2020-present P507 Wellbeing for Professional Success

- Co-course coordinator
- 2 hrs discussion per week, 15 weeks

2020-present P637 Introduction to Oncology and Oncology Concepts

- Co-course coordinator and creator
- Elective course for P2 & P3s, 1 hr weekly asynchronous, 1 hr weekly synchronous discussion, 15 weeks

2018-present Geriatric Pain Management, University of Michigan School of Nursing

- 2 hour lecture

2017-present P714/D760/M714/HS505/SW714- Team-Based Clinical Decision Making (Interprofessional education)

- General sessions- 6 hours discussion
- Pharmacy Module – 18 hours discussion

2013-present P532/712 – Pathophysiology and Therapeutics IV. University of Michigan College of Pharmacy, Ann Arbor, MI.

- Breast Cancer (1.5 hours discussion, 2015-present)
- Oncology Lab (3 hours lab)
- Colorectal Cancer (1.5 hours discussion, 2015-present)
- Prostate Cancer (1.5 hours discussion, 2015-present)
- Supportive care (1.5 hours recitation, 2016-present)
- Lung cancer (1.5 hours recitation, 2016-present)
- Hormonal therapies with breast & prostate cancer (1.5 hours recitation, 2016-present)
- Immunology (3 hours recitation, 2017)
- Immuno-oncology (1.5 hours recitation, 2017)
- Oncology overview (1.5 hours recitation, 2017)
- Oncology-infections (1.5 hours recitation, 2017)
- Leukemias, Lymphomas (3 hours discussion, 2013)

2012 - present P432/612 -- Pathophysiology and Therapeutics II. University of Michigan College of Pharmacy, Ann Arbor, MI.

- Pain (7.5 hrs discussion, 3 hrs lab)

Didactic Teaching continued

- 2014-2017 P531/532/702/712 – Pathophysiology and Therapeutics IV. University of Michigan, College of Pharmacy, Ann Arbor, MI
Lab co-course coordinator
- 2010-2013 P402 – Introduction to Pharmacy. University of Michigan College of Pharmacy, Ann Arbor, MI.
- Professionalism cases (2-hour discussion)
 - Pharmacy Careers Discussion leader (2-hour discussion x 2)
- 2010-2013 Pharmacy Orientation, Giving & Receiving feedback (1 hour lecture/discussion)
- 2008-2011 P531 – Pathophysiology and Therapeutics III. University of Michigan College of Pharmacy, Ann Arbor, MI.
- Overview of Cancer, Leukemias, Lymphomas (6 hours lecture/discussion, 2010)
 - Breast Cancer, Colorectal & Prostate Cancer (4.5 hours lecture/discussion, 2009)
 - Cancer Case review (1.5 hours discussion, 2008)
- Winter 2007 & 2008 P552 – Pharmaceutical care lab
- Discussion leader (3 hours per week x 15 weeks)
- January 2007 P352 – Dispensing lab
- Assisted in 6 labs (6 hours per week x 4 weeks)

Experiential

Student Experiential Training

- 2009-present P687-P694 – Advanced Pharmacy Practice Experiences: Preceptor for Doctor of Pharmacy Students. University of Michigan College of Pharmacy, Ann Arbor, MI.
- 2017- present: Ambulatory Oncology (4-6 students annually)
- 2012- 2016: Ambulatory Hematology/Oncology (9 students annually)
- 2009 – 2013: Institutional Pharmacy Practice, co-preceptor (1-2 students annually)
- 2009 – 2012: Hematology/Oncology, primary preceptor (~ 4-6 students annually)

**Pharmacy Resident/Fellow Precepting:
University of Michigan Health System, Ann Arbor, MI**

Date	Resident/Fellow Name	Resident/Fellow Role	Rotation
Winter 2019	Taylor Weis	PGY2 Oncology	Melanoma clinic (longitudinal)
	Heena Patel	PGY2 Oncology	Outpatient Oncology clinics Teaching
Fall 2018	Taylor Weis	PGY2 Oncology	Outpatient Oncology clinics
Winter 2018	Mark Attilio	PGY2 Oncology	Outpatient Oncology clinics Teaching
	Brian Kurish	PGY1 resident	Outpatient Oncology clinics
Fall 2017	Victoria Nachar	PGY2 Oncology	Outpatient Oncology clinics
Winter 2017	Gianni Scappaticci	PGY2 Oncology	Teaching
	Vera Vulaj	PGY2 Oncology	Teaching
Fall 2016	Vera Vulaj	PGY2 Oncology	Outpatient Oncology clinics Symptom management & supportive care clinic (longitudinal)
	Gianni Scappaticci	PGY2 Oncology	Outpatient Oncology clinics
	Allie Snoke	PGY1 Resident	Outpatient Oncology clinics
Winter 2016	Lydia Benitez-Colon	PGY2 Oncology	Outpatient Oncology clinics Symptom management & supportive care clinic (longitudinal)
	Nada Farhat	PGY1 Resident	Outpatient Oncology clinics
Fall 2015	Caitlin Early	PGY2 Oncology	Outpatient Oncology clinics Melanoma clinic (longitudinal)
Winter 2015	Beejal Ganti	PGY2 Oncology	Outpatient Oncology clinics
	Laura Tang	PGY2 Oncology	Outpatient Oncology clinics Oral Oncolytic clinic (longitudinal)
Fall 2014	Beejal Ganti	PGY2 Oncology	Oral Oncolytic clinic (longitudinal)
	Laura Tang	PGY2 Oncology	Symptom management & supportive care clinic (longitudinal)
	Jacob Barker	PGY1 Resident	Outpatient Oncology clinics
Fall 2013	Bernard Marini	PGY2 Oncology	Symptom management & supportive care clinic (longitudinal)
Winter 2013	Kylee Funk	PGY1 Resident	Outpatient Oncology clinics
	Bernard Marini	PGY1 Resident	Oral Oncolytic clinic (longitudinal)
	Elizabeth Koselke	PGY2 Oncology	Teaching
Fall 2012	Megan Hartranft	PGY1 Resident	Outpatient Oncology clinics
	Emily Israel	PGY1 Resident	Inpatient hematology/oncology service
	Bernard Marini	PGY1 Resident	Inpatient hematology/oncology service
	James Brad Williams	PGY1 Resident	Inpatient hematology/oncology service

Date	Resident/Fellow Name	Resident/Fellow Role	Rotation
	Elizabeth Koselke	PGY2 Oncology	Inpatient hematology/oncology service
Winter 2012	Shannon Hough	PGY2 Oncology	Inpatient hematology/oncology service
	Melinda Tran	PGY2 Oncology	Inpatient hematology/oncology service
Fall 2011	Elizabeth Koselke	PGY1 Resident	Inpatient hematology/oncology service
	Shannon Hough	PGY2 Oncology	Inpatient hematology/oncology service
	Melinda Tran	PGY2 Oncology	Inpatient hematology/oncology service
Fall 2010	Marie Yu	PGY2 Infectious Diseases	Inpatient hematology/oncology service
	Ann Schwemm	PGY2 Oncology	Inpatient hematology/oncology service
	Jenny Hlubocky	PGY1 Resident	Inpatient hematology/oncology service
Fall 2009	Melissa Carroll	PGY1 Resident	Inpatient hematology/oncology service
	Ann Schwemm	PGY1 Resident	Inpatient hematology/oncology service

Mentoring

Course	Date	Student Name	Project	Outcome
Multidisciplinary Clinical Researchers in Training (MCRIT) Mentor Michigan Institute for Clinical & Health Research: Clinical Summer Research Program	2016	Christopher Debiase	Evaluation of a Pharmacist in a Cancer Clinic and impact on symptoms	Data collection; publication pending
	2016	Karen Davidge	Gabapentin in head and neck cancer	Poster presentation
	2013	Hyeon (Laura) Kang	Effects of continuing clofarabine therapy in adult AML patients despite LFT abnormalities	Poster presentation
	2011	Julia Carpenter (Brown)	Procarbazine and antidepressants Cancer Patient's Perceptions and Use of Medical Marijuana	Poster presentation; publication
P569 – Pharm.D. Investigations, Preceptor for Doctor of	2019	Sarah Kaspari	Steroid dosing in immunotherapy toxicities	
	2019	Kelly Powell		
	2019	William Ni		
	2016-2018	Brandon Weber	Oral oncolytic adherence	Poster presentation

Course	Date	Student Name	Project	Outcome
Pharmacy student research projects, University of Michigan College of Pharmacy	2016-2018	Heidi Hwang	Gabapentin in head and neck cancer	Poster presentation
	2015-2017	Soo Kyun Hur	Renal cell carcinoma & targeted therapy	Poster presentation
		Jing Xiao	Renal cell carcinoma & targeted therapy	Poster presentation
	2014-2016	Charu Sharma	Oral oncolytics adherence	Poster presentation
		Jaimini Patel	Oral oncolytics adherence	Poster presentation
	2013-2015	Sarah Lakehal-Ayat	Access to oral oncolytics	Poster presentation
		Nicole Henige	Clofarabine toxicities	Poster presentation
	2012-2015	Devon Bruekman	Drug interactions with oral oncolytics	Poster presentation
	2011-2013	Rachel Lebovic	Carboplatin dosing	Poster presentation
		Christina Gallagher	Cancer Patient's Perceptions and Use of Medical Marijuana	Poster presentation
		Whitney Gomez	Cancer Patient's Perceptions and Use of Medical Marijuana	Poster presentation
	2010-2012	Nicole Baker	Procarbazine and antidepressants	Poster presentation; publication
		Ryan Tyler	Stability of oral liquid preparation of thalidomide	Poster presentation; publication
	P680 Pharmacy Student Seminar Preceptor. University of Michigan College of Pharmacy	2019	Amanda Wahab	Immunotherapy adverse events
Yong Jae Kim			Metastatic melanoma	Successful seminar
2018		Tom Hancock	Immunotherapy adverse events	Successful seminar
		Yiwei Yin	CDK 4/6 Inhibitors in Breast Cancer	Successful seminar
2017		Heidi Hwang	PharmD Investigations Project	Successful seminar
		Michael Cramer	Immunotherapy adverse events	Successful seminar
2016		Soo Kyon Hur	PharmD Investigations Project	Successful seminar
		Jing Xiao	PharmD Investigations Project	Successful seminar
2015		Jeffrey Hanson	Multiple myeloma	Successful seminar

Course	Date	Student Name	Project	Outcome
		Charles Yu	Melanoma	Successful seminar
	2014	Vera Vulaj	Multiple myeloma	Successful seminar
		Nicole Henige	Melanoma	Successful seminar
	2013	Trang Tran	PharmD Investigations Project	Successful seminar
		Rachel Lebovic	PharmD Investigations Project	Successful seminar
	2012	Kaleena Johnson	Update in Oral Chemotherapy	Successful seminar
		Christina Gallagher	PharmD Investigations Project	Successful seminar
	2011	Brian Meredith	Update in Cancer Pain Medications	Successful seminar
		Bethany Follard	Multiple Myeloma	Successful seminar
	2010	Jaime Heissler	Erythropoietin Stimulating Agents and the APPRISE program	Successful seminar
		Mikah Pedersoli	Multiple Myeloma	Successful seminar
P570-Research independent study	2015	Jennifer Chou	Evaluation of a Pharmacist in a Cancer Clinic	Poster presentation

Professional Service

National

May 2011-
Present

Hematology/Oncology Pharmacists Association
BCOP Review Committee (May 2011-2015)
Standards Committee (May 2016-May 2017)
BCOP Oversight committee (June 2020-present)
BCOP Updates Course sub-committee (May 2017-present)

- Chair (June 2020-present)
- Vice chair (May 2019-2020)

July 2006-
June 2007

New Practitioner Mentor for American Pharmacists Association-
Academy of Student Pharmacists

Professional Service continued**State**

January 2008-
Present Michigan Society of Health System Pharmacists
President-elect (2020-present)
Educational Affairs (2020-present)
Professional & Legal Affairs member (2017-2020)
Board of Directors (2015-2017)
Educational Affairs committee chair (2012-2014)
Educational Affairs committee member co-chair (2009-2012)
Educational Affairs committee member (2008-2009)

July 2006-
Present Michigan Pharmacists Association
Professional Affairs committee member

Local

Fall 2016-
Present Experiential Education Committee
University of Michigan, College of Pharmacy

Fall 2016 Development of a Collaborative Talimogene Laherparepvec Workflow a
Michigan Medicine Comprehensive Cancer Center

September 2014-
Present Students of Michigan Pharmacists Association co-advisor
University of Michigan, College of Pharmacy

July 2010-
Present Residency Advisory Committee
University of Michigan Hospital and Health Centers, Ann Arbor, MI

Fall 2015-
Spring 2017 Clinical Skills committee
University of Michigan, College of Pharmacy

Fall 2015-
August 2016 Therapeutic Problem Solving coordinators committee
University of Michigan, College of Pharmacy

April 2014-2015 Faculty Development Committee

April 2013-
August 2016 PharmD Investigations Committee, University of Michigan, College of
Pharmacy
• PharmD Investigations Task Force

November 2010-
2014 Phi Delta Chi Professionalism Committee (graduate brother)
University of Michigan, College of Pharmacy, Ann Arbor, MI

June 2008-
2014 University of Michigan, College of Pharmacy Board of Governors

Local Service continued

- February 2010-
April 2012 Professionalism/Leadership/Career Development and Life-Long Learning curricular working group
University of Michigan College of Pharmacy, Ann Arbor, MI
- September 2008-
April 2012 DYAD Lead Pharmacist (multidisciplinary hem/onc service committee)
- July 2006-
June 2011 Cancer Pharmacy Committee
University of Michigan Cancer Center
- Lead pharmacist (August 2008-August 2011)
- January 2009 University of Michigan Hospitals and Health Centers Department of Pharmacy Services Guidelines: Rasburicase Use in Hematology/Oncology Patients (estimated cost avoidance \$250,000)
- April 2008 Developed thalidomide and lenalidomide guidelines for inpatient use

Professional Reviewer

- Jan 2020-present Journal of Oncology Pharmacy Practice
- April 2019 Currents in Pharmacy Teaching and Learning
- June 2011 American Journal of Health-System Pharmacists
- December 2010 Annals of Pharmacotherapy

Community Service

- November 2005-
February 2014 Hope Medical Clinic
Ypsilanti, MI

Professional Memberships

- January 2017-
Present American Society of Clinical Oncology
- November 2010-
Present Phi Delta Chi, Graduate member
- December 2006-
Present Hematology Oncology Pharmacists Association
- October 2004-
Present American Society of Health-System Pharmacists

October 2004-
Present Michigan Society of Health-System Pharmacists

September 2002-
Present Michigan Pharmacists' Association

October 2007-
2015 American College of Clinical Pharmacy