

SCHOLARLY AND PROFESSIONAL ACTIVITIES (2020-2021)

PUBLICATIONS

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- Szeto AH, Bucci T, Deal A, Zhu A, Ahmad M, Cass AS, Sketch MR, Kemper R, Zeidner JF, Foster MC, **Muluneh B, Crona DJ**. Response to Tyrosine Kinase Inhibitors in Real-World Patients With Chronic Myeloid Leukemia. *Ann Pharmacother*. 2021 Sep 18:10600280211044160.
- Palmer S, Chen A, Dennison T, Czech C, **Auten J, Buhlinger K, Muluneh B**. Impact of Oncology Pharmacists on the Knowledge, Attitude, and Practices of Clinicians to Enhance Patient Engagement of Self-Administered Oral Oncolytics. *Pharmacy (Basel)*. 2021 Jul 23;9(3):130.
- Levy S, Fentie AM, **Buhlinger K, Clark SM**, Korones DN, Miller V, Alexander TB, Weitzman S, Bekele W, Broas J, Shad A, Roberts M, Chargualaf M, Fufa D, Hailu T, Yimer MA, Mustefa M, Said Gidey AM, Dinkiyie AM, Adam H, Hailu D, **Muluneh B**. Ethiopian paediatric oncology registry progress report: documentation practice improvements at tertiary care centre in Addis Ababa, Ethiopia. *Arch Dis Child*. 2021 Jun 17:archdischild-2021-322485. doi: 10.1136/archdischild-2021-322485. Epub ahead of print.
- Benitez LL, Perissinotti AJ, Rausch CR, Klaus J, **Clark SM**, Filtz M, Ratermann K, Treptow C, Griffin S, Olson M, Crain M, Kadia T, Pettit K, Burke PW, Bixby DL, Marini BL. Multicenter comparison of high-dose cytarabine-based regimens versus liposomal daunorubicin and cytarabine (CPX-351) in patients with secondary acute myeloid leukemia. *Leuk Lymphoma*. 2021 Apr 8:1-9. doi: 10.1080/10428194.2021.1907378. Epub ahead of print. PMID: 33830856.
- Dennison T, Deal AM, Foster M, **Valgus J, Muluneh B**. A Pharmacist-Led Oral Chemotherapy Program's Impact on Chronic Myeloid Leukemia Patient Satisfaction, Adherence, and Outcomes. *J Adv Pract Oncol*. 2021 Mar;12(2):148-157.
- Garner LM, Kline T, **Miller J**, Deal A, Zhu A, Sketch MR, Coombs CC, **Muluneh B**. Impact of Adherence to Ibrutinib on Clinical Outcomes in Real-World Patients With Chronic Lymphocytic Leukemia. *J Adv Pract Oncol*. 2021 Jan-Feb;12(1):20-28.
- **Muluneh B**. Financial Toxicity in Patients with Cancer: What a Tangled Web We Weave. *J Natl Compr Canc Netw*. 2021 Jan 6;19(1):3-5.
- Dusetzina SB, **Muluneh B**, Keating NL, Huskamp HA. Broken Promises - How Medicare Part D Has Failed to Deliver Savings to Older Adults. *N Engl J Med*. 2020 Dec 10;383(24):2299-2301.
- **Buhlinger KM**, Borlagdan J, Agegnehu B, Fentie AM, Bernstein AT, Urick BY, Roberts M, Weitzman S, Bekele W, Korones D, Alexander TB, Broas J, Shad A, Dinkiyie AM, **Clark SM**, Adam H, Hailu D, **Muluneh B**. Results of a pre-implementation analysis of Ethiopia's National Pediatric Cancer Registry. *J Oncol Pharm Pract*. 2020 Dec 20:1078155220980051. doi: 10.1177/1078155220980051. Epub ahead of print. PMID: 33342356.
- Powell, B.D., Oxley, M.S., **Chen, K.Y.**, Anksorus, H., Hubal, R., Persky, A., Harris, S. "Concept Mapping Activity to Enhance Pharmacy Student Metacognition and Comprehension of Fundamental Disease State Knowledge." *American Journal of Pharmaceutical Education*. December 2020, 8266.
- Hubal, R., Bobbitt, L., Garfinkle, S., Harris, S., Powell, B., Oxley, M., Anksorus, H., **Chen, K.Y.** "Testing of a Program to Automatically Analyze Students' Concept Maps." *Pharmacy*. 2020, 8(4), 209.
- Chun D, **Faso A**, Muss HB, Sanoff HK, **Valgus J**, Lund JL. Oncology pharmacist-led medication reconciliation among cancer patients initiating chemotherapy. *J Oncol Pharm Pract*. 2020;26(5):1156-63.

- Carrasquillo M, Vest T, Bates J, **Faso A, Auten J**, Buchanan I, McCann M, Carey L, and Amerine LB. A chemotherapy privileging process for advanced practice providers at an academic medical center. *J Oncol Pharm Pract*. 2020; 26(1):116-23.
- Zhu J, Wu YS, Beechinor RJ, Kemper R, Bukkems LH, Mathot RAA, Cnossen MH, Gonzalez D, **Chen SL**, Key NS, **Crona DJ**. Pharmacokinetics of perioperative FVIII in adult patients with haemophilia A: An external validation and development of an alternative population pharmacokinetic model. *Haemophilia*. 2021 Aug 17. doi: 10.1111/hae.14393. Online ahead of print.
- **Chen SL**, Ellsworth P, Kasthuri RS, Moll S, Ma AD, Key NS. Emicizumab reduces re-hospitalization for bleeding in acquired haemophilia A. *Haemophilia*. 2021 Jul;27:e585-e588. doi: 10.1111/hae.14335. Epub 2021 May 29.
- Northam KA, Johnson JA, Behrens A, **Chen SL**, Kasthuri RS, Rollins-Raval M. Minimizing cost associated with management of heparin-induced thrombocytopenia: a cost analysis of various laboratory testing models. *Int J Lab Hematol*. 2021 Jul 18. doi: 10.1111/ijlh.13658. Online ahead of print.
- Northam KA, Parker WF, **Chen SL**, Cicci JD, Lin FC, Rollins-Raval MA, Kasthuri RS. Evaluation of 4Ts score inter-rater agreement in patients undergoing evaluation for heparin-induced thrombocytopenia. *Blood Coagul Fibrinolysis*. 2021 Jul 1;32(5):328-334. doi: 10.1097/MBC.0000000000001042.
- Northam KA, Nguyen B, **Chen SL**, Sredzienski E, Charles A. Evaluation of a multimodal heparin laboratory monitoring protocol in adult extracorporeal membrane oxygenation patients. *J Pharm Pract*. 2021 Jun 10:8971900211021249. doi: 10.1177/08971900211021249. Online ahead of print.
- Ellsworth P, **Chen SL**, Key N, Abajas Y, Ma A. Recombinant porcine factor VIII use in bleed treatment in non-severe haemophilia inhibitor patients: dosing strategies and efficacy. *Haemophilia*. 2021 Jan;27(1):e147-e150. doi: 10.1111/hae.14111. Epub 2020 Aug 25.
- Northam KA, **Chen SL**, Stivers AP, Cicci JD, Hedrick TL, Rollins-Raval MA, Kasthuri RS. Impact of a multidisciplinary workflow on safety and management of patients with heparin-induced thrombocytopenia. *Am J Health Syst Pharm*. 2021 Jan 1;78(1):49-59. doi: 10.1093/ajhp/zxaa342.
- Ellsworth P, **Chen SL**, Kasthuri RS, Key NS, Mooberry MJ, Ma AD. Recombinant porcine VIII for bleed treatment in acquired haemophilia A: findings from a single-center, 18-patient cohort. *Blood Adv*. 2020 Dec 22;4(24):6240-6249. doi: 10.1182/bloodadvances.2020002977.
- Palmer S, Tillman F, Sharma P, **Auten J, Owen K, Clark S, Morgan K**. Safety of intravenous bisphosphonates for the treatment of hypercalcemia in patients with pre-existing renal dysfunction. *Ann Pharmacother*. 2021;55:303-310. doi:10.1177/1060028020953501.
- **Wind LS**, Knight TG, **Auten JJ**, Bates JS, Marucci L, Creedle CJ, Foster MC, **Muluneh B**. Evaluation and optimization of a clinical pharmacist driven transitions of care model for malignant hematology. *Journal of Oncology Pharmacy Practice* 2021;27:283-287.
- Homan MJ, **Reid JH**, Nachar VR, et al. Implementation and outcomes of a pharmacist-led collaborative drug therapy management program for oncology symptom management. *Support Care Cancer* 2021 <https://doi.org/10.1007/s00520-021-06239-0>
- **Reid JH**, Perissinotti AJ, Benitez LL, Boyer D, Lee W, Burke PW, Pettit K, Bixby DL, Marini BL. Hybrid chemotherapy regimen (FLAG-IDA-vincristine-prednisone) for acute leukemia with mixed-phenotype blasts. *Leuk Res* 2021;103:106539; <https://doi.org/10.1016/j.leukres.2021.106539>.

- **Reid JH**, Marini BL, Benitez LL, Pettit K, Bixby DL, Burke P, Perissinotti AJ. Propensity-score matched comparison of salvage chemotherapy regimens in relapsed/refractory acute myeloid leukemia. *Clinical Lymphoma Leukemia Myeloma* 2021; <https://doi.org/10.1016/j.clml.2021.01.011>
- Tuteja S, Salloum RG, Elichynski AL, Smith DM, Rowe E, Blake KV, Limdi NA, Aquilante CL, Bates J, Beitelshes AL, **Cipriani A**, Duong BQ, Empey PE, Formea CM, Hicks KJ, Mroz P, Oslin D, Paternak AL, Petry N, Ramsey LB, Schlichte A, Swain SM, Ward KM, Wiisanen K, Skaar TC, Van Driest SL, Cavallari LH, Bishop JR, IGNITE Pharmacogenetics Working Group. Multisite evaluation of institutional processes and implementation determinants for pharmacogenetic testing to guide antidepressant therapy. *Clin Transl Sci*. 2021 Sep 25. doi: 10.1111/cts.13154. Online ahead of print.
- **Morgan KP**, Sun Y, Deal A, Weiss J, **Cipriani A**. Denosumab for first-line treatment of hypercalcemia associated with malignancy: a retrospective analysis. *J Hematol Oncol Pharm*. 2021;11(3):121-126.
- Patel JN, Voora D, Bell G, Bates J, **Cipriani A**, Bendz L, Frick A, Hamadeh I, McGee AS, Steuerwald N, Imhof S, Wilthshire T. North Carolina's multi-institutional pharmacogenomics efforts with the NC precision health collaborative. *Pharmacogenomics*. 2021 Jan 15. doi: 10.2217/pgs-2020-0156. Online ahead of print.

#### BOOK CHAPTERS

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- **Muluneh B.**, Conti R.M., Nguyen J., Cole A., Larson R.A., Dusetzina S.B. (2021) Pharmacoeconomic Considerations for Tyrosine Kinase Inhibitors in the Treatment of Chronic Myeloid Leukemia. In: Hehlmann R. (eds) *Chronic Myeloid Leukemia. Hematologic Malignancies*. Springer, Cham.
- **Cipriani AB, Crona D.** Chapter 92: Prostate Cancer In: *Pharmacotherapy Principles and Practice*, 6<sup>th</sup> edition. McGraw-Hill Education. 2021.

#### AWARDS

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- **Kaitlyn Buhlinger, Maurice Alexander, John Valgus, Suzanne Francart, Stephanie Jean, Jeffrey Reichard, Udobi Campbell, Benyam Muluneh**
  - 2021 ASHP Best Practice Award - "Pharmacist-Led Program Leads to Safe and Efficient Outpatient Initiation of AML Venetoclax-Based Regimen"
- **Benyam Muluneh**
  - Gene Orringer Junior Faculty Career Development Program (TraCSKL2 Award)
- **Meredith Keisler**
  - 2021 Hospice and Palliative Medicine Faculty Teaching Award

#### PRESENTATIONS

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- **Benyam Muluneh**
  - Health Disparities in Cancer Care: Racism as a Risk Factor. Maurice Alexander, Britny Brown, Benyam Muluneh. Hematology Oncology Pharmacy Association Annual Meeting, March 2021.
- **Meredith Keisler**
  - ASHP BCPS Review Course - Oncology Supportive Care Module, December 2020, December 2021

- **Justin Reid**
  - Updates in Relapsed/Refractory classical Hodgkin Lymphoma. Justin Reid, Victoria Nachar. Great Debates and Updates in Oncology Pharmacy, July 2021.
- **Amber Cipriani**
  - *September 2021: Innovations in Oncology: Focus on Lung Cancer*; Moderator: Laura Bobolts, PharmD, BCOP; AMCP/HOPA Virtual Webinar Series; Presented live with recording archived
  - *March 2021: Incorporating PGx into clinical practice*; Panel with: Terry McInnis, MD; Kristine Crews, PharmD; PMLS virtual Series: Pharmacogenomics and Pharmacovigilance in Precision Medicine; Virtual Webinar with recording archived
  - *April 2021: Update on the North Carolina Precision Health Collaborative Pharmacogenomics Efforts*; Panel with: Jai Patel, PharmD; Lisa Bendz, PharmD; North Carolina Medical Genetics Association Meeting; Mission Fullerton Genetics Center, Asheville, NC (Virtual)
  - *January 2021: Genetic testing in cancer patients*; ANCC/ACPE/ASRT accredited CE; Virtual LIVE webinar with recording archived; UNC Lineberger Cancer Network; Chapel Hill, North Carolina
- **Jessica Auten**
  - ASHP/ACCP BCOP Review Course - Cancer-Related Infectious Diseases, March 2020, March 2021
  - ACCP BCOP Webinar - Oncology Guideline, Drug, and Publication Update: Malignant Hematology, August 2020

## PROFESSIONAL SERVICE & LEADERSHIP

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- **Benyam Muluneh**
  - UNC Lineberger Comprehensive Cancer Center Equity Council, Research Subcommittee (October 2021 - Present)
  - Hematology Oncology Pharmacy Association (HOPA), Oral Chemotherapy Collaborative Co-Chair (August 2021 - Present)
  - Oncology Nursing Society(ONS) Oral Chemotherapy Adherence Expert Panel (May 2021 - Present)
  - Advanced Topics for Oncology Pharmacy Professionals (ATOPP) Oral Chemotherapy Coalition, Content Expert (March 2021 - Present)
- **Amber Cipriani**
  - Hematology Oncology Pharmacy Association (HOPA), Annual Conference Breakout Session Subcommittee, Chair (August 2021 - Present)
  - Implementing Pharmacogenomics in Practice (IGNITE), affiliate member (June 2020-present)
- **Katie Morgan**
  - Hematology Oncology Pharmacy Association (HOPA), Annual Conference Committee (June 2021 - Present)