

Kelsey Cook, PharmD, BCPS

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CONTACT INFORMATION

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PROFESSIONAL EXPERIENCE

Clinical Assistant Professor Department of Pharmacotherapy and Translational Research University of Florida College of Pharmacy, Jacksonville, Florida	July 2019 – present
Clinical Pharmacogenomics Specialist Center for Pharmacogenomics and Translational Research Nemours Children's Specialty Care, Jacksonville, Florida	July 2019 – present
Clinical Pharmacist UF Health Internal Medicine at Tower Hill, Gainesville, Florida	July 2018 – June 2019
Teaching Assistant University of Florida College of Pharmacy, Gainesville, Florida	July 2018 – June 2019
Clinical Pharmacist Dell Seton Medical Center at The University of Texas, Austin, Texas	July 2017 – June 2018
Adjunct Faculty University of Texas College of Pharmacy, Austin, Texas	July 2017 – June 2018
Pharmacy Intern Walgreens Pharmacy (Formerly Kerr Drug), Durham, North Carolina	June 2013 – May 2017
Certified Pharmacy Technician Co-Op Supermarket and Pharmacy, Greenbelt, Maryland	February 2012 – May 2013
Research Assistant University of Maryland, College Park, Maryland	June 2011 – December 2011
Teaching Assistant University of Maryland, College Park, Maryland	January 2011 – May 2011

EDUCATION AND PROFESSIONAL TRAINING

PGY2 Clinical Pharmacogenomics Residency University of Florida College of Pharmacy, Gainesville, Florida	June 2019
PGY1 Pharmacy Practice Residency Seton Healthcare Family, Austin, Texas	June 2018
Doctor of Pharmacy, with distinction	May 2017

University of North Carolina Eshelman School of Pharmacy, Chapel Hill, North Carolina

Bachelor of Science Biological Sciences, *neurobiology and physiology* May 2012
University of Maryland, College Park, Maryland

LICENSURE

Registered Pharmacist (RPh); PS57931 July 2018
Florida Board of Pharmacy

Registered Pharmacist (RPh); 27669 April 2018
North Carolina Board of Pharmacy

Registered Pharmacist (RPh); 60628 June 2017
Texas Board of Pharmacy

CERTIFICATES AND CERTIFICATIONS

Team Based Learning (TBL) Certificate August 2020
University of Florida College of Pharmacy

Board Certified Pharmacotherapy Specialist (BCPS) December 2018
Board of Pharmacy Specialties (BPS)

University of Texas of Pharmacy Teaching Certificate May 2018
University of Texas College of Pharmacy

Sterile Compounding and Aseptic Technique August 2017
Texas Society of Health System Pharmacists

Delivering Medication Therapy Management (MTM) Services April 2016
American Pharmacist Association

Pharmacy-Based Immunization Delivery Certification March 2014
American Pharmacist Association

TEACHING EXPERIENCE

Jacksonville Campus Coordinator

University of Florida College of Pharmacy, Jacksonville, Florida

PHA5163L: Professional Practices Skills Lab III Fall 2020

PHA5164L: Professional Practices Skills Lab IV Spring 2020

PHA5163L: Professional Practices Skills Lab III Fall 2019

Teaching Assistant/Facilitator

University of Florida College of Pharmacy, Gainesville, Florida

PHA5956: Foundations of Clinical Pharmacy Practice Summer 2020

PHA5164L: Professional Practices Skills Lab IV Spring 2019

PHA5163L: Professional Practices Skills Lab III Fall 2018

University of Texas College of Pharmacy, Austin, Texas

PHM 184P: Pharmacotherapeutics II Lab Spring 2018

University of Maryland, College Park, Maryland

CHEM132: Organic Chemistry II Lab Spring 2011

Didactic Lectures

University of Florida College of Pharmacy, Gainesville, Florida PHA5012: Clinical Applications of Personalized Medicine <i>Infectious Diseases Pharmacogenomics</i>	March 2019
PHA4933: Medications and Health <i>Pharmacogenomics – Using DNA to Tailor Medication Therapy</i>	February 2019
University of Texas College of Pharmacy, Austin, Texas PHM 182R: Hospital Pharmacy <i>Hospital Pharmacy and Residencies</i>	October 2017

Continuing Education

Nemours Children’s Hospital, Orlando, Florida <i>Implications and Implementation of Pharmacogenomics at Nemours</i>	April 2020
Wolfson Children’s Hospital, Jacksonville, Florida <i>Implications and Implementation of Pharmacogenomics at Nemours</i>	January 2020
Duval County Pharmacists Association, Jacksonville, Florida <i>Pharmacogenomics in Primary Care</i>	October 2019
University of Texas College of Pharmacy, Austin, Texas <i>Clopidogrel and CYP2C19 in Acute Coronary Syndromes: Should Pharmacogenetic Testing be Standard of Care?</i>	September 2017
WakeMed Hospital, Raleigh, North Carolina <i>Medication Management in the Post-Bariatric Surgery Patient</i>	September 2016

Precepting

4 th Year APPE, Oncology Co-Preceptor University of Texas College of Pharmacy Student	September 2019
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PUBLICATIONS

Peer Reviewed Scientific Journals

Duong BQ, Arwood MJ, Hicks JK, Beitelshes AL, Franchi F, Houdier JT, Limdi NA, **Cook KJ**, Owusu Obeng A, Petry N, Tuteja S, Eley AR, Cavallari LH, Wiisanen K. Development of Customizable Implementation Guides to Support Clinical Adoption of Pharmacogenomics: Experiences of the Implementing GeNomics In pracTice (IGNITE) Network. *Pharmacogenomics Pers Med.* 2020;13:217-226.

Arwood MJ, Dietrich EA, Duong BQ, Smith DM, **Cook K**, Elchynski A, Rosenberg EI, Huber KN, Nagoshi YL, Wright A, Budd JT, Holland NP, Maska E, Panna D, Eley AR, Cavallari LH, Wiisanen K, Johnson JA, Gums JG. Design and Early Implementation Successes and Challenges of a Pharmacogenetics Consult Clinic. *Clin J Med.* 2020 Jul 17;9(7):2274.

Marrero RJ, Cicali EJ, Arwood MJ, Eddy E, DeRemer D, Ramnarain BH, Daily KC, Jones D Jr, **Cook KJ**, Cavallari LH, Wiisanen KW, Langae T, Newsom KJ, Starostik P, Clare-Salzer MJ, Johnson JA, George TJ, Cooper-DeHoff RM (in press). How to Transition from Single Gene Pharmacogenetic Testing to Preemptive Panel-Based Testing: A Tutorial. *Clin Pharmacol Ther.* 2020 May 27.

Book Chapters

Wiisanen K, **Melloy K**. Implementation of pharmacogenomics across practice settings. In Kisor DF, Bright DR, Smith TR, Wiisanen K, eds. *Pharmacogenomics: Foundations, competencies, and the pharmacists’ patient care process*. Washington, DC: American Pharmacists Association; 2020.

Abstracts

Cicali EJ, **Cook KJ**, Arwood MJ, Staley B, Thomas CD, Dalton R, Elsey A, Cavallari LH, Johnson JA, Cooper-DeHoff R, Wiisanen K. Development of Standardized Clinical Resources to Support Implementation of a Preemptive Pharmacogenomics Testing Panel. *Clin Pharmacol Ther.* 2020;107: S57. (PII-079)
Abstract was recognized as a high-quality abstract and was chosen for a Top Poster Ribbon

Newsletters and Other

Cook K. Duong B. New Clinical Pharmacogenomic Service Launches at Nemours. *Under the Lens.* April 2020. Vol 14 (8).

Melloy K, Cavallari LH, Weitzel KW. Using Pharmacogenetic Testing to Guide Antidepressant Selection: A Patient Case. *PharmaNote.* July 2019. Vol 34 (10).

Melloy K, Cavallari LH, Weitzel KW. Using Pharmacogenetics to Guide Proton Pump Inhibitor Dosing: A Patient Case. *PharmaNote.* April 2019. Vol 34 (7).

Melloy K, Cavallari LH, Weitzel KW. Incorporating Pharmacogenetics to Provide Drug Therapy Recommendations for Post-Operative Pain Management Following Total Knee Arthroplasty. *PharmaNote.* January 2019. Vol 34 (4).

Melloy K, Cavallari LH, Weitzel KW. Effect of Phenoconversion on Clinical Pharmacogenetics: Patient Case. *PharmaNote.* October 2018. Vol 34 (1).

Melloy K, Olson J, Besonis K. Omnicell mPage Tips and Tricks. *Keeping Tabs.* March 2018.

PROFESSIONAL PRESENTATIONS

National Conferences, Oral Presentations

Melloy K, Smith L, Tolentino-Padilla E. Evaluation of chemotherapy induced nausea and vomiting (CINV) control in patients receiving carboplatin AUC ≥ 4 compared to irinotecan and oxaliplatin-based chemotherapy regimens. April 2018. Ascension Resident Research Day. Seton Healthcare Family, Austin, Texas; *Primary presenter*

National Conferences, Poster Presentations

Melloy K, Cicali EJ, Staley B, Cooper-DeHoff RM, Wiisanen K. A Systematic Approach to Designing Pharmacogenetic Clinical Decision Support for Medication Classes Affected by Multiple Genes. February 2020. UF Precision Medicine Conference, Orlando Florida; *Primary presenter, encore*

Cicali EJ, **Cook K,** Smith DM, Elchynski A, Johnson JA, Cavallari LH, Wiisanen K. Development of an Algorithm to Calculate Clinical CYP2D6 Phenoconversion in Practice. October 2019. ACCP Annual Meeting, New York, New York; *Author/contributor*

Stabley D, Holbrook J, Vinette K, Hirata L, Pannah N, **Cook KJ,** Duong BQ, Kirwin S, Robbins K, Funanage VL, Blake K. Team Based Implementation of a Pharmacogenomics Pipeline at Nemours Children's Health System. November 2019. MAD SSCi and NERLSCD Joint Meeting, Philadelphia, Pennsylvania; *Author/contributor*

Melloy K, Cicali EJ, Staley B, Cooper-DeHoff RM, Wiisanen K. A Systematic Approach to Designing Pharmacogenetic Clinical Decision Support for Medication Classes Affected by Multiple Genes. April 2019. CPIC Annual Meeting, Memphis, Tennessee; *Primary presenter*

Melloy K, Duong BQ, Smith DM, Dietrich EA, Arwood M. Patient Attitudes and Beliefs About Pharmacogenetics within a Pharmacogenetic Consult Clinic in a Primary Care Setting. February 2019. UF Precision Medicine Conference, Orlando, Florida; *Primary presenter*

Melloy K, Smith L, Tolentino-Padilla E. Evaluation of chemotherapy induced nausea and vomiting (CINV) control in patients receiving carboplatin AUC ≥ 4 compared to irinotecan and oxaliplatin-based chemotherapy regimens. December 2017. Midyear Clinical Meeting of the American Society of Health System Pharmacists, Orlando, Florida; *Primary presenter*

Balogun S, **Melloy K**, Gregory P. Assessment of pharmacist driven diabetes care in severely uncontrolled populations. December 2016. Midyear Clinical Meeting of the American Society of Health System Pharmacists, Las Vegas, Nevada; *Primary presenter*

Local, Educational Presentations

Pharmacogenomics – Presented to PharmD students at APhA meeting. September 2019. University of Florida College of Pharmacy, Jacksonville, FL; *Primary presenter*

Pharmacogenomics – Presented to PharmD students at Pathways to Pharmacy Careers event. September 2019. University of Florida College of Pharmacy, Gainesville, FL; *Primary presenter*

Pharmacogenetics - Presented to primary care physicians. February 2019. UF Health Internal Medicine – Springhill, Gainesville, Florida; *Primary presenter*

Pharmacogenetics in Treatment of Pain and Depression: A Patient Case - Presented to pharmacists, researchers, and trainees. October 2018. University of Florida College of Pharmacy, Gainesville, Florida; *Primary presenter*

Treatment of NMDA Receptor Encephalitis - Presented to physicians, pharmacists, residents, and students. April 2018. Dell Children’s Medical Center, Austin, Texas; *Primary presenter*

Oseltamivir and Pharmacy Basics for Flu Season - Presented to physicians, pharmacists, residents, and students. January 2018. Dell Seton Medical Center, Austin, Texas; *Primary presenter*

Antiarrhythmics Review - Presented to cardiac rehab nurses and pharmacists. October 2017. Seton Medical Center Hays, Kyle, Texas; *Primary presenter*

Insulin and Concentrated Insulin Review - Presented to medical residents and students. December 2016. Wayne Memorial Hospital, Goldsboro, North Carolina; *Primary presenter*

Pharmacogenetics and Major Depressive Disorder – Presented to pharmacists, residents, and students. March 2017. WakeMed Hospital, Raleigh, North Carolina; *Primary presenter*

PROFESSIONAL ORGANIZATIONS

Pediatric Pharmacy Association (PPA)	Joined 2020
Florida Pharmacy Association (FPA)	Joined 2020
Duval Country Pharmacy Association (DCPA)	Joined 2019
• Secretary, January 2020 - present	
American Society for Clinical Pharmacology and Therapeutics (ASCPT)	Joined 2019
American Association of Colleges of Pharmacy (AACCP)	Joined 2019
Clinical Pharmacogenetics Implementation Consortium (CPIC)	Joined 2019
Phi Delta Chi Professional Pharmacy Fraternity (PDC)	Joined 2013
P.E.O. Sisterhood	Joined 2010
Phi Sigma Pi National Honor Fraternity	Joined 2009