

Curriculum Vitae

Shaina E. Musco
High Point University
Fred Wilson School of Pharmacy
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High Point, NC 27268
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Academic Experience

High Point University Fred Wilson School of Pharmacy

Position: Assistant Professor of Clinical Sciences

Courses:

- Pharmacotherapy III (coordinator/instructor)
- Clinical Skills Lab V (co-coordinator/ instructor)
- Integrated Pharmaceutical Sciences 3 (co-coordinator)
- Pharmacy Law and Ethics (coordinator)
- Pharmacotherapy IV (instructor)
- Clinical Skills Lab VI (instructor)
- Introduction to Therapeutics (instructor)
- Clinical Skills Lab II (instructor)
- Ambulatory Care Skills I (instructor)
- Natural Products (instructor)

Location: High Point, NC

Dates: July 2018 – present

Supervisor: Mary Jayne Kennedy, PharmD

Butler University College of Pharmacy and Pharmaceutical Sciences

Position: Adjunct Professor of Pharmacy Practice

Courses:

- Therapeutics 3 Case Studies (instructor)
- Therapeutics 4 Case Studies (instructor)
- Geriatric Therapeutics (instructor)

Location: Indianapolis, IN

Dates: June 2016 – June 2018

Supervisor: Jane Gervasio, PharmD, BCNSP, FCCP

Research Experience

Assistant Professor of Clinical Sciences, High Point University (2018-present)

- *Project:* Characteristics of Patients Experiencing Extrapyramidal Symptoms of Other Movement Disorders Related to Dopamine Receptor Blocking Agent Therapy
 - *Collaborators:* Laura Ruekert, PharmD, BCPP, BCGP; Jaclyn Myers, PharmD; Jessalynn Henney, PharmD; Dennis Anderson, MD; Elizabeth Cunningham, DO; Michael Welling, MD; Sun Lee, PharmD

PGY2 Behavioral Care Pharmacy Resident, Community Health Network (2017-2018)

- *Project:* Antipsychotic Adverse Reactions in Underweight Patients

- *Mentors:* Laura Ruekert, PharmD, BCPP, BCGP; Jaclyn Myers, PharmD; Jessalynn Henney, PharmD; Dennis Anderson, MD; Elizabeth Cunningham, DO; Michael Welling, MD
- *Project:* Audit of Antipsychotic Prescribing Patterns in Outpatient Behavioral Health Providers
 - *Mentor:* Cheen Lum, PharmD, BCPP
- *Project:* Coordinated Interdisciplinary Psychiatry Rounding (CIPR) Model Development/Implementation
 - *Mentors:* Laura Ruekert, PharmD, BCPP, BCGP; Elizabeth Cunningham, DO
- *Project:* Nuplazid™ Formulary Addition Request
 - *Mentors:* Laura Ruekert, PharmD, BCPP, BCGP; Shannon Smallwood, PharmD, BCPS
- *Project:* Dangers of Rapid Dosing: A Case of Dose-Dependent Hepatotoxicity from Duloxetine
 - *Mentor:* Elizabeth Cunningham, DO

PGY1 Pharmacy Resident, Community Health Network (2016-2017)

- *Project:* Development and Assessment of Screening Criteria to Assess Appropriateness of Outpatient DVT Treatment in ED Patients
 - *Mentors:* Shannon Smallwood, PharmD, BCPS; Jill Gossard, PharmD, BCPS; Yi Zhou, PharmD, BCPS
- *Project:* Hypoglycemic Events in Patients Taking Long-Acting Insulin
 - *Mentors:* Sarah Lackey, PharmD, BCPS; Jessalynn Henney, PharmD
- *Project:* Kcentra™ Medication Use Evaluation
 - *Mentors:* Shannon Smallwood, PharmD, BCPS; Giulia Dickinson, PharmD, BCPS
- *Project:* Melatonin Formulary Addition Request
 - *Mentor:* Shannon Smallwood, PharmD, BCPS

PharmD Candidate, University of Colorado Skaggs School of Pharmacy and Pharmaceutical Sciences (2014)

- *Project:* Calcium Supplementation and Cardiovascular Risk
 - *Mentor:* Sheryl Vondracek, PharmD, BCPS

Local Food Research Initiative Intern, Vita Nuova LLC (2012)

- *Project:* Developing Sustainable Communities using Urban Farming and Greenhouse Technology
 - *Mentor:* Michael Taylor, AICP

Special Volunteer at National Institutes of Health, National Institute of Child Health and Human Development, Laboratory of Molecular Growth Regulation (2010)

- *Project:* Creating a Small Ubiquitin-like Modifier Protein 1 (SUMO1) Double-Knockout Mouse
 - *Mentors:* Natarajan Ayithan, PhD and Keiko Ozato, PhD
- *Project:* Examining the Effect of Methylation-Modifying Compounds on Interferon Response
 - *Mentors:* Mira Patel, PhD and Keiko Ozato, PhD

Research Assistant, Colgate University, Department of Biology (2008-2009)

- *Project:* Investigating the Role of Interferon-Stimulated Gene 15 (ISG15) in Host Cell Immune Response to Reovirus Infection
 - *Mentor:* Geoffrey Holm, PhD
- *Project:* Maintenance and Data Collection of Experimental Shrew Population
 - *Mentor:* Timothy McCay, PhD

Research Associate, St. Vincent's Medical Center (2008)

- *Project:* Referrals for Emergency Department Patients to a Telephone-Based Tobacco Cessation Program Using College Research Associates as Screeners
 - *Mentor:* Keith Bradley, MD

Practice Experience

Community Health Network

Position: PGY2 Behavioral Care Pharmacy Resident

Location: Indianapolis, IN

Dates: June 2017 – June 2018

Supervisor: Laura Ruekert, PharmD, BCPP, BCGP

Community Health Network

Position: PGY1 Pharmacy Practice Resident

Location: Indianapolis, IN

Dates: June 2016 – June 2017

Supervisor: Sarah Lackey, PharmD, BCPS

University of Colorado Health Memorial Hospital

Position: Inpatient Pharmacy Intern

Location: Colorado Springs, CO

Dates: January 2014 – May 2016

Supervisor: Kimberly Morgan, RPh

Educational Experience

University of Colorado Skaggs School of Pharmacy and Pharmaceutical Sciences

Degree: Doctor of Pharmacy

Location: Aurora, CO

Completion Date: May 2016

Colgate University

Degree: Bachelor of Arts in Molecular Biology

Location: Hamilton, NY

Completion Date: May 2011

Selected Presentations

Musco S, Ruekert L, Henney J, Myers J, Anderson D, Cunningham E, Welling M. Characteristics of Patients Experiencing Extrapyramidal Symptoms from Antipsychotic Medications.

- *Poster presented at:* CPNP Annual Meeting; April 2018. Indianapolis, IN.

Musco S, Ruekert L, Henney J, Anderson D, Cunningham E, Welling M. Antipsychotic Adverse Reactions in Underweight Patients.

- *Poster presented at:* ASHP Midyear Clinical Meeting; December 2017. Orlando, FL.

Musco S and Ruekert L. Pharmacogenomic Advances in Psychiatry.

- *Lecture presented at:* Community Health Network Psychiatry Grand Rounds series; November 2017. Indianapolis, IN.

Musco S. Educational Psychology and Applications to Patient Counseling.

- *Lecture presented at:* Community Health Network Pharmacy Grand Rounds series; October 2017. Indianapolis, IN.

Musco S, Smallwood S, Gossard J. Development and Analysis of a Screening Tool to Assess Appropriateness of Outpatient DVT Treatment in ED Patients.

- *Poster presented at:* Community Health Network Multidisciplinary Scholarly Activity Symposium; May 2017. Indianapolis, IN.
- *Lecture presented at:* Great Lakes Pharmacy Residency Conference; April 2017. West Lafayette, IN.
- *Poster presented at:* ASHP Midyear Clinical Meeting; December 2016. Las Vegas, NV.

Musco S. Practical Applications of Pharmacogenomics in Clinical Pharmacy.

- *Lecture presented at:* Community Health Network Pharmacy Grand Rounds series; March 2017. Indianapolis, IN.

Jones R, **Musco S**, Racaza R, Vantaggi K. Calcium Supplementation and Cardiovascular Risk.

- *Poster presented at:* University of Colorado Skaggs School of Pharmacy and Pharmaceutical Sciences research seminar poster session; October 2014. Aurora, CO.
- *Lecture presented at:* University of Colorado Skaggs School of Pharmacy and Pharmaceutical Sciences research seminar course; March 2014. Aurora, CO.

Musco S. Epigenetics and Infection: The effect of methylation-modifying compounds on host cell Interferon response.

- *Lecture presented at:* Colgate University Department of Biology Honors Series; April 2011. Hamilton, NY.

Musco S. Epigenetic Modification and Interferon Gene Expression.

- *Lecture presented at:* Section on Molecular Genetics of Immunity, Laboratory of Molecular Growth Regulation journal club, National Institute of Child Health and Human Development, National Institutes of Health; November 2010. Bethesda, MD.

Selected Publications

Musco S. What I wish I knew: I'm a resident, now what? The CPNP Perspective. 2018 Dec;5(7):12-14.

Kassam A, **Musco S**, Cunningham EA. Dangers of Rapid Dosing: A Case of Dose-Dependent Hepatotoxicity from Duloxetine. Primary Care Companion for CNS Disorders (Accepted for publication August 2018).

Buechler K and **Musco S.** Pharmacist-Administered Screening Criteria to Assess Appropriateness of Outpatient VTE Treatment. ACCP EMED PRN. Spring 2017 Newsletter. 1 May 2017.

Musco S. Epigenetics and Infection. Colgate University Department of Biology Honors Series. Hamilton, NY. Apr 2011.

Academic Service

High Point University Fred Wilson School of Pharmacy

- Advising/Mentoring/Precepting
 - Academic Advisor (8 students)
 - Undergraduate Research Mentor (2 students)
 - APPE Academic Rotation (1 student)
 - Mental Health Student Interest Group Faculty Advisor (50 students)
- School of Pharmacy Service
 - Academic Standards Committee (2018-present)
 - Curriculum Planning Committee (2018-present)
 - Clinical Sciences Faculty Search Committee (2018-present)
- University Service

- Employee Wellness Liaison (2018-present)

Butler University College of Pharmacy and Pharmaceutical Sciences

- School of Pharmacy Service
 - Residency and Fellowship Committee (2017-2018)
- Advising/Mentoring/Precepting
 - Indiana Pharmacy Teaching Certificate Program Resident-Led Pharmacy Student Mentoring Program (2016-2017)

Research Service

- Journal of Pharmacy Practice Peer Reviewer (2018-present)
- Mental Health Clinician Reviewer (2018-present)
- AACP New Investigator Award Reviewer (2018)

Community Service

- Victory Junction Camp Medical Team (2018-present)
- Gennesaret Free Health Clinic Medical Team (2016-2018)
- Project LETS Peer Counselor (2015-2016)
- ACS Community L.I.F.T. Medical Clinic Pharmacy Intern (2013-2015)

Honors and Awards

- AACP Walmart Scholar Program, recipient (2017)
- Community Health Network Multidisciplinary Scholarly Activity Symposium Poster Presentation Award, runner-up (2017)
- Nicholas G. Popovich Indiana Pharmacy Teaching Certificate Program Teaching Award, nominee (2017)
- University of Colorado Skaggs School of Pharmacy and Pharmaceutical Sciences Academic Performance Award, nominee (2015)
- University of Colorado Skaggs School of Pharmacy and Pharmaceutical Sciences Dean's List, distinction (2012, 2014, 2015)
- Colgate University Cum Laude, distinction (2011)
- Molecular Biology Honors Research Project, distinction (2011)
- Beta Beta Beta National Biological Honor Society, member (2010)
- Phi Eta Sigma Honor Society, member (2008)
- Colgate University Dean's Award, recipient (2007-2011)

Professional Memberships

- American Association of Colleges of Pharmacy (2017-present)
- College of Psychiatric & Neurologic Pharmacists (2014-present)
- National Alliance on Mental Illness (2014-present)

Licensure and Certifications

- North Carolina State Board of Pharmacy Pharmacist License # 28456 (2018-present)

- Indiana State Board of Pharmacy Pharmacist License # 26026729A (2016-present)
- American Red Cross Advanced Cardiovascular Life Support Provider Certification (2016-present)
- APhA Delivering Medication Therapy Management Services Certification (2015)
- Mental Health First Aid USA Certification (2014-present)
- APhA Pharmacy-Based Immunization Delivery Certification (2013)