

Curriculum Vitae

Andrew Y. Hwang, PharmD, BCPS

GENERAL INFORMATION

Address: Fred Wilson School of Pharmacy
High Point University
One University Parkway
High Point, NC 27268

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ACADEMIC APPOINTMENTS

Assistant Professor (tenure-track) *August 2017 to present*
Department of Clinical Sciences, Fred Wilson School of Pharmacy
High Point University; High Point, NC

PROFESSIONAL TRAINING

Pharmacy Postdoctoral Fellowship in Family Medicine *July 2015 to June 2017*
University of Florida Colleges of Pharmacy and Medicine; Gainesville, FL
Directors: John Gums, PharmD, FCCP; Steven Smith, PharmD, MPH, BCPS

ASHP Accredited PGY-1 Pharmacy Residency *July 2014 to June 2015*
New Hanover Regional Medical Center; Wilmington, NC
Director: Holly Snider, PharmD, BCPS

EDUCATION

Teaching Certificate Program *July 2015 to June 2016*
University of Florida College of Pharmacy; Gainesville, FL

Doctor of Pharmacy, summa cum laude *May 2014*
University of Florida College of Pharmacy; Gainesville, FL

Curriculum Vitae

Andrew Y. Hwang, PharmD, BCPS

Bachelor of Science in Chemistry, cum laude

May 2009

Specialization in Biochemistry

Minor in Business Administration

University of Florida; Gainesville, FL

CLINICAL PHARMACY EXPERIENCE

Ambulatory Care Pharmacist; Pharmacotherapy Consult Service

January 2019 to present

Eagle Family Medicine at Brassfield; Greensboro, NC

Pharmacy Fellow; Anticoagulation Consult Service

October 2015 to June 2017

University of Florida Internal Medicine Clinic at Tower Hill; Gainesville, FL

Pharmacy Fellow; Anticoagulation Consult Service

July 2015 to June 2017

University of Florida Family Medicine Clinic at Main Street; Gainesville, FL

Pharmacy Preceptor; Equal Access Clinic Network

July 2015 to June 2017

University of Florida Family Medicine Clinic at Main Street; Gainesville, FL

Pharmacist II PRN

July 2014 to June 2015

New Hanover Regional Medical Center; Wilmington, NC

PRESENTATIONS

Regional and National

Impact of pharmacist interventions on medication acquisition at discharge

May 2015

Research in Education and Practice Symposium; Chapel Hill, NC

- Platform presentation to pharmacists and pharmacy residents

Institutional – High Point University

Evaluation of SAME-TT₂R₂ in Extended-Interval Warfarin Monitoring

January 2018

Fred Wilson School of Pharmacy

- Informal presentation for faculty and PharmD students

Institutional – University of Florida

Clinical Monitoring of Direct Acting Oral Anticoagulants

May 2017

Family Medicine at Main Street Clinic

- Formal CME presentation for physicians and physician residents

Diabetes-related Complications

February 2017

Family Medicine at Main Street Clinic

- Formal CME presentation for physicians and physician residents

Curriculum Vitae

Andrew Y. Hwang, PharmD, BCPS

- Direct Acting Oral Anticoagulants: Review of Clinical Monitoring* January 2017
College of Pharmacy
▪ Formal CE presentation for pharmacists and pharmacy residents
- Drug Toxicity: Therapeutic Monitoring and Management* November 2016
Family Medicine at Main Street Clinic
▪ Formal CME presentation for physicians and physician residents
- Antibiotics Review* September 2016
Family Medicine at Main Street Clinic
▪ Formal CME presentation for physicians and physician residents
- Updates in Treatment of VTE* June 2016
Family Medicine at Main Street Clinic
▪ Formal CME presentation for physicians and physician residents
- Health-related Quality of Life Pertaining to Anticoagulation Therapy* March 2016
College of Pharmacy
▪ Formal CE presentation for pharmacists and pharmacy residents
- New Drug Updates 2015* March 2016
Family Medicine at Main Street Clinic
▪ Formal CME presentation for physicians and physician residents
- Pharmacotherapy of Antidiabetic Agents* December 2015
Family Medicine at Main Street Clinic
▪ Formal CME presentation for physicians and physician residents
- Rate Control of Atrial Fibrillation* September 2015
Family Medicine at Main Street Clinic
▪ Formal CME presentation for physicians and physician residents
- Outpatient Management of Warfarin* August 2015
Family Medicine at Hampton Oaks
▪ Informal lecture for family medicine physicians

TEACHING EXPERIENCE

High Point University

Fred Wilson School of Pharmacy August 2017 to present

Ambulatory Care Skills II; 2017 – 2018 (Fall semester)

- Lecturer (Ambulatory Care Practice Experiences)
- Course coordinator [interim] (2018)

Curriculum Vitae

Andrew Y. Hwang, PharmD, BCPS

Pharmacotherapy I; 2017 – 2018 (Fall semester)

- Lecturer (Diabetes complications, Thyroid disorders, VTE disorder, Atrial fibrillation); TBL facilitator (Diabetes mellitus, VTE disorder)

Clinical Skills Lab III; 2017 – 2018 (Fall semester)

- Facilitator (Diabetes mellitus, VTE disorder, Atrial fibrillation, Contraception)

Ambulatory Care Skills I; 2018 (Spring semester)

- Course coordinator – 16-week course to introduce 1st year PharmD students to the practice of self-care in the community pharmacy setting

Clinical Skills Lab II; 2018 (Spring semester)

- Facilitator (Pain/fever, Cough/cold, Gastrointestinal, Dermatological, Reproductive)

Natural Products; 2018 (Spring semester)

- Lecturer (Erectile dysfunction, Menopause, Weight loss)

Integrated Pharmaceutical Sciences II; 2018 (Spring semester)

- Lecturer (Pulmonary Pharmacology and Pharmaceutics)

Pharmacotherapy II; 2018 (Spring semester)

- Lecturer (COPD)

Clinical Skills Lab IV; 2018 (Spring semester)

- Facilitator (Asthma/COPD inhaler products, COPD case SOAP note, COPD journal club)

Longitudinal Patient Care II; 2017 (Fall semester)

- Facilitator for group discussions among 2nd year PharmD students

University of Florida

College of Pharmacy

July 2015 to June 2017

Continuing Pharmacy Education; April 2017

- Lecturer of one-hour CE course titled, “Direct Acting Oral Anticoagulants: Review of Clinical Monitoring”

Patient Care 5; 2017 (Spring semester)

- Lecturer and TBL co-facilitator (Diabetes complications)

Putting Families First; 2016 to 2017 (Fall and Spring semester)

- Co-facilitator for group discussions among interdisciplinary professional students

Patient Care 2; 2016 (Fall semester)

- Lecturer and TBL co-facilitator (Anemia)

Pharmacotherapy VI; 2016 to 2017 (Spring semesters)

- Guest faculty for capstone course – 4th year PharmD students

Curriculum Vitae

Andrew Y. Hwang, PharmD, BCPS

Pharmacotherapy III; 2016 (Spring semester)

- Lecturer (Anemia)

Medications and Health; 2016 to 2017 (Fall and Spring semesters)

- Lecturer (GERD) for undergraduate students

Pharmaceutical Skills Laboratory I; 2015 (Fall semester)

- Teaching assistant – helped facilitate skills lab activities with 3rd year PharmD students

Ambulatory Care Clerkship Rotations; July 2015 to June 2017

- Co-preceptor for 15-18 students/year during 8-week Ambulatory Care rotation or 4-week Ambulatory Care elective rotation

College of Medicine – Physician Assistant Program

July 2015 to June 2017

Advanced Clinical Practicum; 2016 to 2017 (Summer semesters)

- Case discussion facilitator (Diabetes mellitus, Cardiovascular therapeutics, Infectious diseases)

Pharmacotherapeutics; 2016 to 2017 (Spring semesters)

- Case discussion facilitator (Geriatric pharmacotherapy)

RESEARCH EXPERIENCE

Hypertension Prevalence and Disparities in the OneFlorida Data Trust

Co-investigator (November 2016 to June 2017)

Primary investigator: Steven Smith, PharmD, MPH, BCPS

University of Florida College of Pharmacy; Gainesville, FL

Dose-finding of semaglutide administered subcutaneously once daily versus placebo and liraglutide in subjects with type 2 diabetes

Site Sub-investigator (September 2015 to May 2016)

University of Florida Family Medicine Clinic at Main Street; Gainesville, FL

Medication Focused Outpatient Care for Underutilization Of Secondary Prevention (MED-FOCUS)

Site Co-investigator and Study Coordinator (July 2015 to June 2017)

Site primary investigator: John Gums, PharmD, FCCP

University of Florida Family Medicine Clinic at Main Street; Gainesville, FL

Study of Diabetic Nephropathy with Atrasentan (SONAR)

Site Sub-investigator (July 2015 to May 2016)

UF Family Medicine Clinic at Main Street; Gainesville, FL

Impact of pharmacist interventions on medication acquisition at discharge

Primary investigator (August 2014 to June 2015)

Co-investigators: Danielle Wright, PharmD; Jenna Reel, PharmD

Last update: March 18, 2019

Curriculum Vitae

Andrew Y. Hwang, PharmD, BCPS

New Hanover Regional Medical Center; Wilmington, NC

The Effects of Statins on the Expression of Glucose Regulating Genes in 3T3-L1 Cells

Co-investigator (May to December 2012)

Primary investigator: Rhonda Cooper-DeHoff, PharmD, MS, FAHA, FACC

UF College of Pharmacy, Department of Pharmacotherapy and Translational Research; Gainesville, FL

PUBLICATIONS

Original Research

Hwang AY, Dave CV, Smith SM. Use of Prescription Medications that Potentially Interfere with Blood Pressure Control in New-Onset Hypertension and Treatment-Resistant Hypertension. *Am J Hypertens* 2018 Jul 25. doi: 10.1093/ajh/hpy118. [Epub ahead of print]

Hwang AY, Carris NW, Dietrich EA, Gums JG, Smith SM. Evaluation of SAME-TT₂R₂ Score on Predicting Success With Extended-Interval Warfarin Monitoring. *Ann Pharmacother* 2018 Jun 1:1060028018779774. doi: 10.1177/1060028018779774. [Epub ahead of print]

Hwang AY, Dave C, Smith SM. Trends in Antihypertensive Medication Use Among US Patients with Resistant Hypertension, 2008 to 2014. *Hypertension* 2016;68:1349-1354.

Carris NW, **Hwang AY**, Smith SM, Taylor JR, Sando K, Powell J, Rosenberg EI, Zumberg MS, Gums JG, Dietrich EA, Vogel Anderson K. Anticoagulation-related satisfaction associated with extended-interval warfarin monitoring: A pre-specified analysis of the FADE-OUT study. *J Thromb Thrombolysis* 2016;42(4):486-493.

Review Articles

Hwang AY, Gums TH, Gums JG. The benefits of physician-pharmacist collaboration. *J Fam Pract.* 2017;66(12):E1-E8.

Hwang AY, Dietrich E, Pepine CJ, Smith SM. Resistant Hypertension: Mechanisms and Treatment. *Curr Hypertens Rep.* 2017;19(7):56. doi: 10.1007/s11906-017-0754-x.

Conway SE, **Hwang AY**, Ponte CD, Gums JG. Laboratory and Clinical Monitoring of Direct Acting Oral Anticoagulants: What Clinicians Need to Know. *Pharmacotherapy* 2017;37(2):236-248.

Hwang AY, Gums JG. The emergence and evolution of antimicrobial resistance: Impact on a global scale. *Bioorg Med Chem* 2016;24(4):6440-6445.

Book Chapters

Hwang AY, Smith SM, Gums JG. Chapter 32: Hypothalamic, Pituitary, and Adrenal Disorders. In: Tisdale JE, Miller DA (eds.). *Drug-Induced Diseases: Prevention, Detection, and Management*. 3rd ed. Bethesda, MD: American Society of Health-System Pharmacists; 2018:729-755.

Curriculum Vitae

Andrew Y. Hwang, PharmD, BCPS

Hwang AY. Gastroesophageal Reflux Disease MTM Data Set. In: Whalen K, Hardin HC. Eds. Medication Therapy Management: A Comprehensive Approach, 2e. New York, NY: McGraw-Hill; 2018.

Hwang, AY. Adrenal Gland Disorders. In: PharmacotherapyFirst: A Multimedia Learning Resource. The American Pharmacists Association;2017.

Hwang AY, Smith SM, Gums JG. Cushing Syndrome. In: Schwinghammer TL, Koehler JM, Borchert JS, Park S, Slain DS, eds. Pharmacotherapy Casebook: A Patient-Focused Approach. 10th ed. New York, NY: McGraw-Hill; 2017.

Hwang AY, Smith SM, Gums JG. Adrenal Gland Disorders. In: DiPiro JT, Talbert RL, Yee GC, Matzke GR, Wells BG, Posey LM. Pharmacotherapy: A Pathophysiologic Approach. 10th ed. New York, NY: McGraw-Hill; 2017.

ABSTRACTS

Evaluation of SAME-TT₂R₂ score on predicting anticoagulation control with extended-interval warfarin monitoring

Hwang AY, Smith SM, Dietrich E, Carris NW, Gums JG

Poster presented at:

- American College of Clinical Pharmacy Annual Meeting, October 2017

Establishing a multidisciplinary anticoagulation clinic in a residency program: Improving resident and pharmacy student education

Jester R, Olivas J, Tino C, Wilkinson J, **Hwang AY,** Samraj G

Roundtable discussion at (presented by Tino C):

- Society of Teachers of Family Medicine Annual Spring Conference, May 2017

Use of Medications that Potentially Interfere with Blood Pressure Control among Patients with Resistant Hypertension on ≥ 4 Antihypertensive Drugs

Hwang AY, Dave C, Smith SM

Poster presented at:

- American College of Clinical Pharmacy Annual Meeting, October 2016
- University of Florida College of Pharmacy, 30th Annual Research Showcase, February 2017
- University of Florida College of Medicine, Celebration of Research Showcase, February 2017
- Community Health & Family Medicine Research Showcase, June 2017

Trends in antihypertensive medication use among U.S. patients with resistant hypertension, 2008-2013

Smith SM, **Hwang AY,** Dave C

Poster presented at:

- American Society of Hypertension Annual Meeting, May 2016
- Community Health & Family Medicine Research Showcase, June 2016
- Department of Medicine Celebration of Research, October 2016
- American College of Clinical Pharmacy Annual Meeting, October 2016

Curriculum Vitae

Andrew Y. Hwang, PharmD, BCPS

Impact of comprehensive anticoagulation program in improving multidisciplinary training and patient outcome

White LA, **Hwang AY**, Samraj G

Roundtable discussion at (presented by White LA):

- Society of Teachers of Family Medicine Annual Spring Conference, May 2016

Anticoagulation-related quality of life associated with extended-interval monitoring: A pre-specified analysis of the FADE-OUT study

Carris NW, Smith SM, Taylor JR, Sando K, Powell J, **Hwang AY**, Gums JG, Dietrich E, Vogel Anderson K

Poster presented at:

- American College of Clinical Pharmacy Global Conference on Clinical Pharmacy, October 2015
- University of Florida College of Pharmacy, 29th Annual Research Showcase, January 2016
- Community Health & Family Medicine Research Showcase, June 2016

Impact of pharmacist interventions on medication acquisition at discharge

Hwang AY, Wright D, Reel J

Poster presented at:

- American Society of Health-System Pharmacists Midyear Clinical Meeting, December 2014

LEADERSHIP EXPERIENCE

Student Poster Reviewer/Mentor

ASHP Midyear Clinical Meeting 2014; Anaheim, CA

December 2014

Teaching Assistant

Project Yucatan Audiology Health Outreach Trip; Campeche, Mexico

Supervisor: Sven Normann, PharmD, DABAT

March 2014

Trip Leader

Project Yucatan Audiology Health Outreach Trip; Campeche, Mexico

Supervisor: Sven Normann, PharmD, DABAT

August 2012 to March 2013

PROFESSIONAL SERVICE

Professional Organizations

American College of Cardiology; member

2015 to present

American College of Clinical Pharmacy; member

2014 to present

American Society of Health-System Pharmacists; member

2013 to 2015

Rho Chi Honor Society; member

2012 to present

Rho Chi Honor Society; historian

2012 to 2013

Curriculum Vitae
Andrew Y. Hwang, PharmD, BCPS

Manuscript Review

Clinical Medical Insights: Cardiology	<i>January 2019</i>
The Journal of Family Practice	<i>December 2018</i>
BMC Nephrology	<i>October 2018</i>
Pharmacoepidemiology & Drug Safety	<i>October 2018</i>
Journal of Clinical Hypertension	<i>March 2017</i>
Pharmacotherapy	<i>March 2017</i>
Journal of International Medical Research	<i>August 2016</i>
PLoS ONE	<i>March 2017</i>
	<i>January 2016</i>
	<i>November 2015</i>
Infection Control and Hospital Epidemiology	<i>January 2017</i>
	<i>November 2015</i>

Academic Committees

High Point University

Academic Standards Committee	<i>August 2017 to present</i>
Admissions Committee	<i>August 2017 to present</i>

Other

Assistant Editor; PharmaNote®	<i>July 2015 to June 2017</i>
University of Florida Family Practice Residency Program	
Departments of Community Health & Family Medicine and Pharmacotherapy & Translational Research	

PROFESSIONAL DEVELOPMENT

Coursework

Regression Methods for the Health and Life Sciences (PHC 6053)	<i>Spring 2017</i>
University of Florida; Gainesville, FL	
Introduction to Biostatistical Methods (PHC 6052)	<i>Fall 2016</i>
University of Florida; Gainesville, FL	

LICENSURE AND CERTIFICATIONS

Board Certified Pharmacotherapy Specialist	<i>November 2015 to present</i>
Licensed Pharmacist; #PS53263; Florida (active)	<i>June 2015 to present</i>
Licensed Pharmacist; #24315; North Carolina (active)	<i>July 2014 to present</i>

