PGY2 Ambulatory Care Pharmacy Residency
University of Colorado School of Pharmacy
University of Colorado Anschutz Medical Campus, Aurora, CO
(ASHP Accreditation #82155; NMS Program Codes – Family Medicine Track # 514165)

PURPOSE: This PGY2 pharmacy residency program builds on the DO and PGY1 pharmacy residency programs to contribute to the development of clinical pharmacists in the specialized area of ambulatory care practice. PGY2 residencies provide residents with opportunities to function independently as practitioners by conceptualizing and integrating accumulated experience and knowledge and incorporating both into the provision of patient care. Residents who successfully complete this accredited PGY2 pharmacy residency are prepared for advanced patient care, academic, or other specialized positions, along with board certification in ambulatory care. Completion of this program is intended to create individuals that are qualified to practice as a clinical pharmacy specialist and/or become a faculty member at a School of Pharmacy or Medicine.

The University of Colorado is an integrated academic health sciences center. In addition to clinical training, residents are involved in educational experiences focused towards the training of PharmD students, PGY1 pharmacy residents, and medical residents. Residents also gain experience in medical writing and publishing, and completion of a research project of publishable/presentable quality and an administrative project are required. Previous residents have had an exceptionally strong record of publishing their research and other projects.

PRACTICE SITES/ROTATIONS:
There is one track for this residency for this year: 1) Family Medicine

- The first longitudinal rotation (entire 12-months) is a continuity ambulatory care clinic site is the School of Medicine’s interdisciplinary Stapleton Family Medicine clinic. The University of Colorado offers a variety of ambulatory care clinic sites enables a well-rounded experience. The continuity clinic for the Family Medicine track consists of a longitudinal experience within the Department of Family Medicine Residency program at the Stapleton (aka, AF Williams) Family Medicine clinic, which is an interprofessional clinic.
- The second longitudinal rotation (entire 12-months) is Population Health at the University of Colorado Health (UCHealth) System. Activities within UCH involve targeted strategies to improve quality metrics and care gaps for practices within the UCH system, ranging from Ft. Collins to Pueblo. However, this experience is based out of the Population Health Pharmacy office on the Anschutz Campus. This rotation occurs throughout the entire 12-months.
- Other required core rotations (3-months) are in Geriatrics, Internal Medicine, and Federally Qualified Health Center (FQHC).
- Electives are available in a wide range of experiences where University of Colorado Anschutz Medical Campus faculty practice (e.g., academia, anticoagulation, cardiometabolic clinical lipidology, diabetes, nephrology, pediatrics, psychiatry, resistant hypertension, women’s health)

Opportunities to provide care to Spanish speaking patients exist at the FQHC clinics. Residents are expected to be a licensed Pharmacist in Colorado throughout the residency training period. Participation in the Colorado Pharmacy Residency Teaching Certificate Program and A Structured Program to Guide Residents’ Experience in Research is required. Opportunities to participate in educating PharmD students is also required.

REQUIREMENTS: Doctor of Pharmacy Degree (ACPE accredited), PGY 1 residency, Pharmacist licensure in Colorado

BENEFITS: Salary is $57,991 (2019-2020 stipend). Benefits include: healthcare coverage, 23 days annual leave (including professional meetings), and a travel stipend. Resident are appointed as Clinical Instructor with the School of Pharmacy. Limited staffing (an administrative project) is expected for the Family Medicine track.

APPLICATION: Interested applicants should provide a letter of intent, CV, academic transcripts, and 3 letters of recommendation using the ASHP Pharmacy Online Residency Centralized Application Service (http://www.ashp.org/phorcas). Applicants are encouraged to apply to both tracks if interested in both. Deadline is January 1.

For questions, contact the Program Director: Joseph Saseen, PharmD (Joseph.Saseen@CUAnschutz.edu)
Other listings: http://www.ucdenver.edu/academics/colleges/pharmacy/AcademicPrograms/Residencies/Pages/Residencies.aspx

(Updated September 2019)
PGY2 Ambulatory Care Pharmacy Residency
University of Colorado School of Pharmacy

Geriatrics Clinic Core
• Seniors Clinic - Anschutz Outpatient Pavilion
  (5 half-days/week)

Internal Medicine Clinic Core
• Internal Medicine Clinic – Anschutz Outpatient Pavilion/Lowry
  (5 half-days/week)

FQHC Clinic Core
• Salud Family Medicine – Commerce City/Brighton clinics
  (5 half-days/week)

Electives Core
• Elective clinic(s)
  (5 half-days/week)

Longitudinal Experiences, 12 months:
• Family Medicine Clinic – Stapleton Family Medicine Clinic
  (2 half-days/week)
• Population Health – UCHealth
  (2 half-days/week)

Remaining one half-day/week is for administrative work

Additional requirements:
• Colorado Residency Teaching Certificate Program, ASPIRE Program, Teaching PharmD Students
## Previous Residents: University of Colorado PGY2 Ambulatory Care Pharmacy Residency

<table>
<thead>
<tr>
<th>Name</th>
<th>Year</th>
<th>Education</th>
<th>Residency Project</th>
<th>Current Position</th>
</tr>
</thead>
</table>
| Vivian Cheng, PharmD | 19-20 | • PharmD: University of North Carolina  
• PGY1: VAMC, Denver            | "Prescribing practices of migraine-specific pharmacotherapy as determinants of emergency department use for migraine headache"       | PGY2 Ambulatory Care Resident                           |
| Joseph Nardolillo, PharmD | 19-20 | • PharmD: University of Rhode Island  
• PGY1: Indian Health Service Albuquerque | "Describing statin use in patients with HIV"                                         | PGY2 Ambulatory Care Resident                           |
| Jennifer Tunoa, PharmD | 19-20 | • PharmD: University of Colorado  
• PGY1: VAMC, Seattle, WA        | "Comparing lipid monitoring patterns in patients newly started on statin therapy before and after publication of the 2018 multi-society management of blood cholesterol guideline" | PGY2 Ambulatory Care Resident                           |
| Navya Varshney, PharmD | 19-20 | • PharmD: University of Michigan  
• PGY1: University of California San Francisco | "Sodium-glucose Cotransporter-2 inhibitors and risk for urinary tract infections in the elderly" | PGY2 Ambulatory Care Resident                           |
| Marina Maes, PharmD | 18-19 | • PharmD: University of Colorado  
• PGY1: University of Michigan | "Evaluation of acute gout prophylaxis prescribing when initiating a xanthine oxidase inhibitor therapy for gout" | Assistant Professor: University of Wisconsin; Madison, WI |
| Natalie Rosario, PharmD | 18-19 | • PharmD: University of Kentucky  
• PGY1: Palm Beach Atlantic University | "Hispanic patients’ perceptions of mental health disorders among a FQHC clinic population" | Assistant Professor: Texas A&M University; Corpus Christi, TX |
| Marina Snellings, PharmD | 18-19 | • PharmD: University of North Carolina  
• PGY1: VAMC, Denver | "Effectiveness of methenamine for UTI prevention in older adults with varying degrees of kidney function" | Clinical Pharmacist: University of North Carolina Medical Center; Chapel Hill, NC |
| Kyle Troksa, PharmD | 18-19 | • PharmD: University of Colorado  
• PGY1: University of Montana | "Evaluating a population health approach to statin use: implications of pharmacist driven interventions in patients with an indication for statin therapy" | Ambulatory Care Clinical Pharmacy Specialist: Banner Health, Northern Colorado |
| Ian Hatlee, PharmD | 17-18 | • PharmD: Lake Erie College of Osteopathic Medicine School of Pharmacy  
• PGY1: Millcreek Community Hospital | "Characteristics of a university family medicine teaching clinic population with higher-than-expected emergency department use" | PGY2 Ambulatory Care Resident                           |
| Emanuela Mooney, PharmD | 17-18 | • PharmD: Idaho State University  
• PGY1: Regis University/Safeway Community | "Pharmacotherapeutic approaches to management of type 2 diabetes: a retrospective study of clinical pharmacist management versus usual care in a federally qualified health center" | Clinical Pharmacist: University of Colorado; Colorado Springs, CO |
| Scott Pearson, PharmD | 17-18 | • PharmD: University of Wisconsin  
• PGY1: University of Colorado Hospital | "Assessment of chronic disease management among patients with diabetes and coronary artery disease receiving care in a cardiology clinic"  
In press, J Am Coll Clin Pharm [DOI: 10.1002/jac5.1044] | Assistant Professor: University of Colorado; Aurora, CO |
| Julianna Rivich, PharmD | 17-18 | • PharmD: Purdue University  
• PGY1: VAMC, Denver, CO | "Social and psychosocial determinants of health associated with uncontrolled diabetes in a federally qualified health center population" | Clinical Pharmacist: Denver Health Medical Center; Denver, CO |
| Elizabeth Carter, PharmD | 16-17 | • PharmD: NEOCOM  
• PGY1: University of Colorado Community | "Focused evaluation of provider usability and preferences with the aspirin guide app" | Primary Care Clinical Pharmacist: Cleveland Clinic; Strongsville, OH |
| Ashley Huntsberry, PharmD | 16-17 | • PharmD: University of Colorado  
• PGY1: University of Nebraska Medical Center | "Effects of chronic proton pump inhibitor use on kidney function in older adults"  
In Press, Consultant Pharmacist 2019 | Assistant Professor: University of Colorado; Aurora, CO |
| Morgan Payne, PharmD | 16-17 | • PharmD: University of Houston  
• PGY1: The Ohio State University | "Changes in pharmacy students’ perceptions of underserved populations after a 6-week clinical rotation in a FQHC clinic"  
Curr Pharm Teaching Learning 2018;10:1149-1153. | Assistant Professor: University of Colorado; Ft. Collins, CO |
<table>
<thead>
<tr>
<th>Name</th>
<th>Year</th>
<th>Education</th>
<th>Residency Project</th>
<th>Current Position</th>
</tr>
</thead>
</table>
| Natalia Uzal, PharmD    | 16-17 | • PharmD: Shenandoah University  
• PGY1: Lancaster General Hospital | “Monitoring of recommended metabolic laboratory parameters among Medicaid recipients on second-generation antipsychotics in federally qualified health centers”  
*Ann Pharmacother* 2018;52(2):160-165. | Clinical Pharmacist:  
Community Health Centers of Lane County;  
Eugene, OR |
| Michael Kelly, PharmD    | 15-16 | • PharmD: Virginal Commonwealth University  
• PGY1: Virginal Commonwealth University | “BP goals and treatment in patients 60-79 (without DM or CKD) before and after new JNC8/ASH-ISH recommendations”  
*Ther Adv Cardiovasc Dis* 2017;11(2):63-71. | Assistant Professor:  
Chapman University;  
Orange County, CA |
| Jessica Norman, PharmD   | 15-16 | • PharmD: University of Wisconsin  
• PGY1: University of Colorado Hospital | “The effect of the FDA required label changes on zolpidem prescribing practices based on gender”  
*SAGE Open Medicine* 2017;5:1-5. | Primary Care Clinical Pharmacist:  
University of Wisconsin Health;  
Madison, WI |
| Alvin Oung, PharmD       | 15-16 | • PharmD: Massachusetts College of Pharmacy  
• PGY1: Cone Health | “Evaluation of medication adherence in a federally qualified health center”  
*Ther Adv Chronic Dis* 2017;8:113-120. | Assistant Professor:  
University of Wyoming;  
Denver, CO |
| Sara Wettergreen, PharmD | 15-16 | • PharmD: South Dakota State University  
• PGY1: VAMC, Houston, TX | “Comparison of Faculty Assessment and Students’ Self-Assessment of Performance during Clinical Case Discussions in a Capstone Course”  
*Medical Teacher* 2018;40(2):193-198 | Assistant Professor:  
University of Colorado;  
Aurora, CO |
| Cy Fixen, PharmD         | 14-15 | • PharmD: South Dakota State University  
• PGY1: University of North Carolina | “Retrospective assessment of mean blood pressure in adults aged 60-79 before and after the publication of 2013 ASH/ISH and JNC8 hypertension guidelines”  
VAMC;  
Denver, CO |
| Danielle Fixen, PharmD   | 14-15 | • PharmD: Wingate University  
• PGY1: University of Colorado Hospital | “The effect of medical marijuana on the frequency of migraine headache in an adult population”  
*Pharmacotherapy* 2016 May;36(5):505-10. | Assistant Professor:  
University of the Sciences;  
Philadelphia, PA |
| Jason Zupec, PharmD      | 14-15 | • PharmD: University of Cincinnati  
• PGY1: Akron General Medical Center | “Evaluation of statin prescribing for secondary prevention in primary care following new guideline recommendations”  
*Ann Pharmacother* 2016 Jan;50(1):17-21. | Assistant Professor:  
University of Colorado;  
Aurora, CO |
| Liza Wilson, PharmD      | 13-14 | • PharmD: University of Missouri  
• PGY1: University of Mississippi | “Comparison of New-Onset Gout Incidence in Adults Prescribed Hydrochlorothiazide vs. Chlorothalidone”  
*J Clin Hypertens* 2014;16(12):864-868. | Assistant Professor:  
University of Missouri;  
Columbia, MO |
| Rhianna Fink, PharmD     | 13-14 | • PharmD: South Dakota State University  
• PGY1: Beaumont Health System | “Simvastatin and CCBs: A Comparison of Prescribing Practices before and after the U.S. FDA Updates to the 2011 Simvastatin Dosing Standards”  
*Am J Cardiovasc Drugs* 2015;15:27-34. | Assistant Professor:  
University of Colorado;  
Aurora, CO |
| William King IV, PharmD  | 12-13 | • PharmD: South Carolina College of Pharmacy  
• PGY1: University of Colorado Hospital | “Characterization of diabetes risk factors in patients prescribed chronic statin therapy”  
*Ther Adv Chronic Dis* 2014;4(4):206-211. | Clinical Pharmacy Specialist:  
New Hanover Regional Medical Center;  
Wilmington, NC |
| Matthew Kostoff, PharmD  | 12-13 | • PharmD: University of Toledo  
• PGY1: Akron General Medical Center | “Description of long-term bisphosphonate therapy in postmenopausal women in a primary care setting”  
*Int J Women’s Health* 2014;6:423-428. | Clinical Pharmacist:  
NewHealth Collaborative,  
Akron, Ohio |
| Rachel Lowe, PharmD      | 11-12 | • PharmD: University of Colorado  
• PGY1: VAMC, Houston, TX | “Clinical and economic description of monitoring in patients on chronic statin therapy”  
Kaiser Permanente;  
Sacramento, CA |
| Angie Thompson, PharmD   | 11-12 | • PharmD: University of Colorado  
• PGY1: Exempla St. Joseph Hospital | “Evaluation of type 2 diabetes mellitus medication management and diabetes control in patients 65-79 years of age and patients 80-89 years of age at a university affiliated health system”  
*Consult Pharm* 2013;28(5):296-306. | Clinical Assistant Professor:  
University of Colorado;  
Aurora, CO |

(Updated Nov 2018)
<table>
<thead>
<tr>
<th>Name</th>
<th>Year</th>
<th>Education</th>
<th>Residency Project</th>
<th>Current Position</th>
</tr>
</thead>
</table>
| Julie Alford, PharmD  | 10-11| • PharmD: University of Tennessee  
• PGY1: University of Arizona, Tucson, AZ | “Patterns of prescribing statin-based combinations that are high risk for myopathy” Pharmacotherapy 2012;32(7):623–630. | Clinical Pharmacy Specialist: Kaiser Permanente; Boulder, CO                      |
| Michele Hanselin, PharmD| 10-11| • PharmD: University of Colorado  
• PGY1: University of Colorado Hospital | “Prescribing trends for the treatment of resistant hypertension” Hypertension 2011;58:1008-1013. | Associate Professor: Regis University; Denver, CO                                |
| Chad Martell, PharmD  | 09-10| • PharmD: University of Colorado  
• PGY1: Providence Health System, Portland, OR | “Evaluation of thiazide diuretic use on serum potassium and glucose regulation” | Associate Professor: Regis University; Denver, CO                                |
| Jonathan White, PharmD | 09-10| • PharmD: Midwestern University  
• PGY1: St. Alphonsus Hospital, Boise, ID | “Evaluation of fibrin acid derivative use at a university affiliated health system using a medication appropriateness index” | Clinical Pharmacist – Primary Care: Froedtert/Medical College of Wisconsin; Milwaukee, WI |
| Sarah Anderson, PharmD | 08-09| • PharmD: University of Colorado  
• PGY1: Denver Health | “Determining predictors of response to exenatide in type 2 diabetes” J Am Pharm Assoc 2012;52:466–471. | Associate Professor: University of Colorado; *Aurora, CO                          |
| Joseph Vande Griep, PharmD | 06-07| • PharmD: University of Iowa  
• PGY1: University of Colorado Hospital | “Characterization and attainment of LDL-cholesterol goals in high risk family medicine patients” J Clin Lipidology 2009;3:195-200. | Director, Population Health Pharmacy: University of Colorado Health; Aurora, CO |
| Joel Marrs, PharmD    | 05-06| • PharmD: Butler University  
• PGY1: Mount Carmel Medical Center, Columbus, OH | “Dyslipidemia control in an indigent population with medication assistance compared to an insured population” Pharmacotherapy 2008;28(5):562–569. | Associate Professor: University of Colorado; Aurora, CO                           |
| Amy Egras, PharmD     | 04-05| • PharmD: University of Colorado  
• PGY1: University of California at San Francisco | “Comparing a therapeutic statin conversion to a usual care statin conversion” Pharmacotherapy 2008;28(5):553–561. | Associate Professor: Thomas Jefferson University; Philadelphia, PA                  |
| Donnie Nuzum, PharmD  | 03-04| • PharmD: Texas Tech University  
| Megan Bestul, PharmD  | 02-03| • PharmD: University of Michigan  
• PGY1: University of Colorado Hospital | “Impact of the Women’s Health Initiative trial results on hormone replacement therapy use” Pharmacotherapy 2004;24(4):495-499. | Clinical Pharmacist: William Beaumont Hospital; Royal Oak, MI                      |
| Jessica Milchak, PharmD| 01-02| • PharmD: University of Iowa  
• PGY1: VAMC Long Beach, CA | “Development of a core herbal product list and a pharmacist education program within a university-based outpatient pharmacy” | Clinical Pharmacy Specialist: Kaiser Permanente; Longmont, CO                      |
| Sunny Linnebur, PharmD| 00-01| • PharmD: University of Kansas  
• PGY1: VAMC Denver, CO | “Retrospective evaluation of antihypertensive effectiveness in clinical practice” | Professor: University of Colorado; Aurora, CO                                     |
| Eric MacLaughlin, PharmD | 98-99| • BS, Pharmacy: Albany College of Pharmacy  
• PharmD: Medical University of South Carolina | “Selection and costs of antibiotics for patients with a reported beta-lactam allergy” Arch Fam Med 2000;9:722-726. | Professor & Chair: Texas Tech University; Amarillo, TX                           |
| Rachana Patel, PharmD | 98-99| • PharmD: Butler University  
• PGY1: VAMC Long Beach, CA | “Prospective, randomized, double-blind, placebo-controlled evaluation of vitamin K1 versus temporary cessation of warfarin therapy in the treatment of excessive anticoagulation” Pharmacotherapy 2000;20(10):1159-1166. | Residency Supervisor & Clinical Pharmacy Specialist in Primary Care Kaiser Permanente; Aurora, CO |

(Updated Nov 2018)