

Hayley Blackburn, Pharm.D., BCACP, BC-ADM

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Training & Education

PGY1 Residency Community Medical Center, Missoula, MT	2013-2014
Doctor of Pharmacy University of Montana Skaggs School of Pharmacy, Missoula, MT High Honors, President's Recognition Award – Outstanding Graduate, Biomedical/Pharmaceutical Sciences	2009-2013
B.A. in Cellular & Molecular Biology University of Montana, Missoula, MT Presidential Leadership Scholar, Dean's List 2004-2008, University Scholar President's Recognition Award - Outstanding Graduate, Cellular & Molecular Biology,	2004-2008

Licensures & Certifications

TeamSTEPPS Master Trainer	2021-present
Advanced Wilderness Life Support	2020-present
APhA Pharmacist & Patient-Centered Diabetes Care Certification, Faculty Trainer	2019-present
APhA Pharmacy-Based Cardiovascular Disease Risk Management, Faculty Trainer	2019-present
American Association of Diabetes Educators Board-Certified Adv Diabetes Management	2019-present
Yale/HHMI Scientific Teaching Fellow	2019
Board of Pharmacy Specialties – Board-Certified Ambulatory Care Pharmacist	2015-present
University of Montana Skaggs School of Pharmacy – Teaching Certificate	2014
Registered Pharmacist, State of Montana (#18823)	2013-present

Professional Experience

Assistant Professor of Pharmacy Practice (2017-present)

University of Montana Skaggs School of Pharmacy, Missoula, MT
Department Chair: Vince Colucci, PharmD, BCPS

- Fellowship Director – Public Health & Rural Medicine
- Co-Chair, IPE Experiential & Simulation Committee
- Co-Chair, Pharmacy Curriculum Committee
- APPE Preceptor/IPE Faculty – Population Health & Global Health IPE Rotation
- Lecturer throughout pharmacy curriculum (P1-P3)

Clinical Pharmacy Specialist, PGY1 Residency Program Director (2016-2017)

Roseburg VA Medical Center, Roseburg, OR
Chief of Pharmacy: Dan Neal, PharmD, BCPS

Pharmacy Manager (2015)

Safeway Pharmacy, Roseburg, OR

- District Manager: Timothy Maynard, PharmD

Clinical Pharmacist – Anticoagulation/Ambulatory Care (2014-2015)

Community Physician Group, Missoula, MT
Pharmacy Director: Dean Mikes, RPh

Poster Presentations

- **Blackburn H.** Assessment of pharmacy student knowledge, attitudes, and behaviors related to climate change and human health. Poster presented at: 2021 AACP Virtual Pharmacy Education Conference. (*Winner, Best Poster, Social & Administrative Sciences*)
- Murphy L, Johnson R, Zins R, **Blackburn H.** University of Montana IPHARM Pharmacy: A Pharmacist Administered Diabetes Self-Management Program. Poster presented at: 2020 ADCES Virtual Conference.
- Murphy L, Johnson R, Zins R, **Blackburn H.** IPHARM Non-Dispensing Pharmacy: 17-Month Update. Poster presented at: 2020 Montana Pharmacy Association Annual Meeting, Big Sky, MT.
- Johnson R, Zins R, Minto J, **Blackburn H.** Hometown MTm: Enriching Pharmacy Services for Rural Montanans. Poster presented at: 2019 Northwest Pharmacy Convention. Coeur D'Alene, ID.
- Pierson S, **Blackburn H.** Impact of a novel experiential learning activity involving diverse patient populations on first-year pharmacy student knowledge, attitudes, and skills. Poster presented at: 2018 ASHP Midyear Clinical Meeting, Las Vegas, NV.
- Haas J, Teynor J, **Blackburn H.** Evaluation of baseline data of patients suffering from depression and anxiety in order to design a pharmacist driven follow-up protocol at a student health center. Poster presented at: 2018 ASHP Midyear Clinical Meeting, Las Vegas, NV.
- **Blackburn H.** Interprofessional planetary health elective in pharmacy experiential curriculum. Poster presented at: 2018 Skaggs Symposium. University of Arizona, Phoenix, AZ.
- **Blackburn H,** Summerday N, Rivey MP. Assessment of pharmacist intervention on health outcomes and costs in patients with chronic obstructive pulmonary disease and tobacco dependence. Poster presented at: 2014 Western States Conference, San Diego, CA.
- **Blackburn H,** Procacci K, Summerday N. Assessment of pharmacist intervention on health outcomes and costs in patients with chronic obstructive pulmonary disease and tobacco dependence. Poster presented at: 2013 ASHP Midyear Clinical Meeting, Anaheim, CA.
- **Blackburn H,** Linford S, Procacci K. Assessment of asthma camp service-learning experience for pharmacy students and residents. Poster presented at: 2012 ASHP Midyear Clinical Meeting, Las Vegas, NV.

Publications

- Gruenberg K, Forrester C, **Blackburn H,** Lyons T, Lam A, Brock T, Gahbauer A. Active hope: the personal and professional roles of pharmacists in climate action. JACCP, manuscript ID 07-21-0247, accepted for publication August 2021.
- **Blackburn H.** Screening for Diabetes in Older Adults. Montana Geriatric Education Center Online Modules. December 2019. Available at: <http://health.umt.edu/ipharm/modules/default.php>.
- Cote HM, Allington DR, Procacci KA, **Blackburn HK,** Rivey MP. Adherence in asthma. *Curr Respir Med Rev* 2015; 11(3):197-208.
- **Blackburn H,** Allington D, Procacci K, Rivey M. Asthma in Pregnancy. *World J Pharmacol* 2014; 3(4):56-7.

Professional Presentations/Continuing Education

- “The Why and How of Training Environmental and Public Health Professionals to Prepare Montana’s Communities for Climate Change” Montana Public Health Association Annual Conference (April 2022)
- “Teaching Climate & Health.” Columbia Climate & Health Responder Course for Health Professionals (Content development & panelist) (April 2022)
- “Climate Change and the Health of Older Adults: Addressing Risks & Promoting Resilience.” Montana Gerontology Society Annual Meeting (April 2022)
- “Climate Change: Interprofessional Solutions for a Human Health Crisis” – Invited Panel Speaker, University of South Florida Health Annual Interprofessional Education Day (November 2021)
- “Mental Health Challenges Associated with Climate Change and Climate Change-Related Work: Strategies from the Field” – Invited Speaker, Co-Presenter, Institute on Ecosystems Webinar Series (November 2021)
- Human Health & Climate Change Webinar Series – Montana Public Health Training Center, Training Organizer, Lecturer (August 2021)
- “Medication Selection for the Geriatric Population” - Montana Gerontology Society Annual Meeting (April 2021)
- “Health & Climate: Training Future Professionals” - Family Medicine Residency of Western Montana Rural Retreat (October 2020)
- APhA Pharmacy-Based Diabetes Management Certificate Training, Co-Trainer (July 2020)
- “Climate & COVID-19: Lessons Learned” - Friday Medical Conference (May 2020)
- “Interprofessional Perspectives on Climate Change” - Friday Medical Conference (December 2019)
- “Updates in Diabetes Management” - University of Montana Recent Drug Development and Law Update CE Program, Invited Speaker (February 2019)
- “Updates in Hepatitis C Management” - Montana Pharmacy Association Annual Meeting, Invited Speaker (January 2019)
- “Updates in Diabetes Medications” - Montana Diabetes Coalition Annual Meeting, Invited Speaker (October 2018)
- “Medications for Chronic Pain” - Umpqua Community College Conference On Extraordinary Living (October 2016)
- “Pain Pearls & Common Opioids” - Roseburg VA Medical Center – Community Living Center Hospice Education Series (April 2016)
- “Asthma in Pregnancy”- Big Sky Pulmonary Conference (2015)
- “The New Hypertension Guidelines: Confusion, Controversy and Rising Blood Pressures”- Community Medical Center FYDI Continuing Education Series (2014)

Teaching Experience

University of Montana Skaggs School of Pharmacy - Didactic Teaching

- AHHS491 – Planetary Health COIL (2022-present, Instructor, Coordinator)
- PHAR553 - Therapeutics III (2017-present, Instructor; 2021 Coordinator)
- PHAR571 – Integrated Studies IV (2017-present, Instructor; 2021, Coordinator)
- PHAR565 – Capstone APPE Prep (Instructor, 2018-present)
- PHAR563 – Pharmacy Practice Lab V (2018-present, Instructor)
- PT673 – Clinical Medicine (2018-present, Instructor)
- AHHS495 – Human Health & Climate Change (2021, Instructor & Co-Coordinator)
- GBLD499 – Global Leadership Capstone (2020-present)
- PHAR451 – Therapeutics I (2017-2020, Instructor)
- PHAR554 - Therapeutics IV (2014, Instructor)
- PHAR391 – Postgraduate Training Elective (2014)
- PHAR444 – Pharmacology & Toxicology (2014)

Clinical Instruction/Precepting

- APPE Preceptor – Population Health (2022-present)
- APPE Preceptor – Global Health (2018-present)
- MPH Practicum Site Mentor, Global Health; Theresa Kelly-Mitchell (2019)
- MPH Practicum Site Mentor, Global Health; Emma Murter (2019)
- APPE Preceptor – Ambulatory Care Remote APPE (2020-2021)
- APPE Preceptor - Ambulatory Care – Curry Health Center (2018- 2020)
- APPE /PGY1 Resident Preceptor – Ambulatory Care, Roseburg VA Medical Center (2017)
- APPE /PGY1 Resident Preceptor - Internal Medicine, Roseburg VA Medical Center (2016)
- APPE /PGY1 Resident Preceptor - Ambulatory Care, Community Medical Center (2013-2015)
- APPE Preceptor – Inpatient Rehabilitation, Community Medical Center (2014)

Other Teaching/Mentorship:

- Student Health Professionals for a Healthy Climate – Faculty Advisor (2021-present)
- UM Students for Sensible Drug Policy – Faculty Advisor (2020-present)
- Skaggs School of Pharmacy Student Journal Club Mentor (2018-2019)
- ASHP Clinical Skills Competition – Coordinator/Judge (2018-2020)
- American Pharmacists Association Academy of Student Pharmacists New Practitioner Mentor (2014-2015)

Research Experience

Ongoing Research Support

Skaggs Scholars Program (Aquilante C, Woodahl E - PIs) 07/21 – 06/23
 University of Colorado Skaggs School of Pharmacy and Pharmaceutical Sciences
Advancing the Clinical Integration of Pharmacogenomics in Rural and Underserved Communities (\$75,000)

This grant is in collaboration with researchers at the University of Colorado Skaggs School of Pharmacy and Pharmaceutical Sciences, led by Drs. Aquilante and Woodahl as a collaborative effort to assess barriers/facilitators related to the use of clinical informatics for pharmacogenetic testing and consultation, and prescribing patterns of medications for implementation of pharmacogenetic testing in rural and underserved populations.

Role: Co-Investigator (0.05 FTE)

Ongoing Research Support (Cont'd)

Western MT AHEC (Matheny A - PI) 09/21 – 08/22
 HRSA - Area Health Education Centers (AHEC) - Simulation Education Training (SET) Competitive Supplement

AHEC Scholars/Interprofessional Education Simulation Program (\$100,000)

This award supports software, equipment, travel, and contract services from outside simulation organizations to provide simulation training opportunities for health professions trainees across Western Montana.

Role: Senior/Key Personnel, IPE Sim Lead (0.13 FTE)

Federal Communications Commission (Blackburn H, Woodahl E, Bell J, Meloy L - PIs) 08/21-09/22
 FCC COVID-19 Telehealth Funding Program

University of Montana College of Health Telehealth Program Support (\$679,000)

This award supports software, equipment, travel, and contract services from outside simulation organizations to provide simulation training opportunities for health professions trainees across Western Montana.

Role: Co-Investigator

(Blackburn, H; Woodahl E – PIs) 02/20 – 02/25

ALSAM Foundation

Skaggs Institute for Health Innovation (\$8M philanthropic gift, pending \$2M matching funds)

Ongoing work to secure a total of \$10M toward the establishment and advancement of the Skaggs Institute for Health Innovation has included collaboration with the UM Foundation, UM administration, prospective donors and collaborators, including significant efforts in writing, regular meetings for project management, and strategic planning.

Role: Co-Investigator

UM Contract 19-07-3-01 (Migliaccio, C – PI) 09/18 – 09/23

Montana Department of Health & Human Services – CDC Innovative 1817 Grant

IPHARM Rural Health Screening & Chronic Disease Management Programs (\$150,000-\$200,000/year)

This grant is in collaboration with Montana DPHHS and statewide partners to conduct rural health screenings, collect data, and pilot new interventions for chronic disease management based on epidemiological data and geographic areas of greatest need. Grant activities include coordination of recruitment/search/hiring process for pharmacy fellow; coordination of fellowship scheduling and activities, mentorship to pharmacy fellow; providing diabetes care training to pharmacists; monthly planning/check-in calls; budgeting and grant planning; contributions to writing quarterly reports.

Role: Co-Investigator, Fellowship Director (0.1 FTE)

Past Funding:

M63540 (Blackburn, H; Robohm, J – PIs) 06/20 – 9/21

Montana Healthcare Foundation Pilot Project Grant

Climate Change & Human Health Education Program (\$25,000)

This pilot project focuses on development of educational programming related to human health and climate change for health professions trainees and health professionals across the state of Montana. This includes conducting a needs assessment and collaborating with outside agencies and content experts to develop didactic coursework and continuing education opportunities and ongoing assessment of outcomes.

Role: Co-PI (0.1 FTE)

Past Funding (Cont'd)

T1MHP39078-0 (Hudgins G; Anderson K – PIs) 07/20 – 04/21
 HRSA COVID-19 Funding – MTGEC Subaward
Interprofessional Telehealth & Tele-education Pilot Project (\$15,000)
 This pilot project focuses on development of simulation activities for remote learning and interprofessional education activities to train students and faculty in the use of novel tele-education strategies and telehealth communication. Funding supported the purchase of software to create virtual interprofessional training opportunities for College of Health students, with ongoing longitudinal work and events throughout the year.
 Role: Subaward, Senior Personnel

Leadership & Service

Rx for Climate Global Pharmacy Alliance, Co-Founder	2021-present
Montana University System – Inter-Unit Benefits Committee	2021-present
SIM-MT, Board of Directors	2021-present
Montana Health Professionals for a Healthy Climate, Board of Directors	2021-present
University of Montana Franke Global Leadership Initiative Advisory Board Member	2021-present
University of Montana College of Health, IPE Experiential & Simulation Committee, Co-Chair	2020-present
University of Montana Davidson Honors College Faculty Advisory Board Member	2019-present
Open Aid Alliance, Board of Directors, Secretary	2018-present
Public Health & Rural Medicine Pharmacy Fellowship, Fellowship Director	2018-present
Curry Health Center, Quality Assessment and Improvement Committee	2018-2020
UM Skaggs School of Pharmacy, Curriculum Committee (Co-Chair, 2019-present)	2017-present
UM Skaggs School of Pharmacy, Experiential Committee	2017-present
Roseburg VA Medical Center – Antimicrobial Stewardship, PGY-1 Residency Director	2016-2017

Honors & Awards

University of Montana Skaggs School of Pharmacy – Clinical Instructor of the Year	2021
Best Poster Award – Social & Administrative Sciences (AACCP Virtual Pharmacy Education)	2021
University of Montana Professor of the Year, Pharmacy Practice	2019
Davidson Honors College - Distinguished Alumni	2019
University of Montana Professor of the Month, Pharmacy Practice – April 2018	2018
University of Montana Professor of the Month, Pharmacy Practice – October 2017	2017
United States Public Health Service – Public Health Pharmacy Award	2013
President's Recognition Award – Outstanding Graduate, Biomedical/Pharmaceutical Sciences	2013
President's Recognition Award - Outstanding Graduate, Cellular & Molecular Biology	2008
University of Montana Presidential Leadership Scholar	2004