**Elizabeth Jo Gillespie, MD, MPH, FACP**

Current Position

* Internal Medicine Hospitalist Physician

Denver Health Medical Center

Denver, CO

* Assistant Professor of Medicine

University of Colorado

Department of Medicine

Division of General Internal Medicine

* Adjunct Clinical Faculty

Department of Environmental and Occupational Health

Colorado School of Public Health

* Director, Undergraduate Medical Education

University of Colorado School of Medicine Climate and Health Program

Contact Information

* Department of Medicine

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**1. AREAS OF RESEARCH AND SCHOLARSHIP**

1. Climate change and health

3. Social determinants of health

**2. EDUCATION**

Colorado School of Public Health AY 2019 - 2023

Aurora, Colorado

**Master’s in Public Health - Epidemiology**

University of Colorado School of Medicine AY 2021 - 2022

**National Climate and Health Science Policy Fellowship**

Sponsored by the Climate and Health Foundation

Adult and Child Consortium for Health Outcomes Research and Delivery Science 7/2017 - 7/2019

University of Colorado School of Medicine

**Primary Care and Health Sciences Research Fellowship**

Sponsored by Denver Health and AHRQ grant R24

Colorado School of Public Health AY 2017 - AY 2018

Aurora, Colorado

**Certificate in Public Health**

**Internship and Residency in Internal Medicine** 6/2006 - 6/2009

University of Colorado

Denver, CO

Georgetown University School of Medicine 8/2002 - 5/2006

Washington, D.C.

**Doctor of Medicine**

Georgetown University School of Medicine 8/2001 - 5/2002

Washington, D.C.

**Masters in Physiology and Biophysics**

University of Chicago 8/1994 - 5/1998

Chicago, IL

**Bachelor of Arts, Biological Sciences**

**3. ACADEMIC APPOINTMENTS**

Director, Undergraduate Medical Education 7/2022 - present

University of Colorado School of Medicine Climate and Health Program

Denver, CO

Assistant Professor, Department of Internal Medicine 8/2017- present

University of Colorado School of Medicine

Assistant Professor, Department of Medicine 1/2015- 5/2016

Instructor, Department of Medicine 10/2012 - 1/2015

Georgetown University School of Medicine

Washington, D.C.

**4. HOSPITAL POSITIONS**

Internal Medicine Hospitalist/ Staff Physician 8/2016 - Present

Denver Health Medical Center

Denver, CO

Internal Medicine Hospitalist/ Staff Physician 10/2012 - 05/2016

Georgetown University Hospital

Washington, D.C.

Hospitalist/ Staff Physician 10/2011 - 9/2012

Presbyterian Rust Medical Center

Rio Rancho, New Mexico

Hospitalist/ Staff Physician 7/2009 - 10/2011

Saint Anthony’s Hospital

Lakewood, CO

**5. HONORS, SPECIAL RECOGNITIONS, AND AWARDS**

Nominated for Department of Medicine Rising Stars Award 4/2024

Nominated for Golden Stethoscope Award – “Fostering Curiosity” 2020-2021

**6. MEMBERSHIP IN PROFESSIONAL ORGANIZATIONS**

**American College of Physicians, Member # 03788913** 2015 - current

**Fellow, American College of Physicians** 2019 - current

**Society of General Internal Medicine, Member # 63707** 2016 - current

Events

2016: SGIM Nominee to Steering Committee for the Medical Society Consortium on Climate

and Health. December 2016 – June 2020

2017: Membership Chair-Elect, Rocky Mountain West Region, Oct 2017- Oct 2018

2017: Poster Judge, Rocky Mountain West Region Meeting, Oct 13, 2017

Society of General Internal Medicine, Oct 13, 2017, Aurora, CO

2018: Membership Chair, Rocky Mountain West Region, Oct 2018 – July 2019

2018: Leader, Rocky Mountain SGIM Workshop**:** Climate Change and Health: *Why now is the*

*time to start a climate medicine curriculum at your academic institution*, Oct 12, 2018,

Salt Lake City, UT

2018: Poster Judge, Rocky Mountain West Regional Meeting, Oct 12, 2018, Salt Lake City, UT

2022: National Meeting, April 6-8; Orlando, FL

Workshop: Practical approaches to addressing the education gap in climate/health

Workshop: The physician’s role in clinical practice

Meeting leader: SGIM Environmental Health Interest Group

Oral presentation: “Acute care utilization patterns associated with heat sensitive conditions when exposed to high temperature periods”

2023: National Meeting, May 10-13; Denver, CO

Workshop: Meeting learners where they are: action in climate & health education

Workshop leader: Meeting the promise of tomorrow through Sustainable Quality

Improvement

Meeting leader: SGIM Environmental Interest Group

**6. AWARDS AND NOMINATIONS**

**Program Committee Environmental/Sustainability Officer, Society of** 7/2022 - present

**General Internal Medicine**

**Guest Researcher, Centers for Disease Control Climate and Health Branch** 7/2021 - 7/2022

**Pilot Grant Awardee, Denver Health Office of Research Pilot Program** 6/2020 - 6/2021

*Social Determinants of Health, High Temperatures, and Healthcare Utilization:*

*A Retrospective Cross-Sectional Study*

**Fellow, American College of Physicians** 7/2019 - present

**Membership Chair, Rocky Mountain Regional SGIM** 10/2017 - 10/2019

**AAMC Early Career Women’s Leadership Conference** 7/2017

**SGIM Representative, Steering Committee, Medical Society Consortium** 12/2016 - 6/2020

**for Climate and Health**

**7. MAJOR COMMITTEE AND SERVICE RESPONSIBILITIES**

SCHOOL OF MEDICINE

**Faculty Advisor, Climate and Health Integration Project** 01/2023 - present

**Director, Undergraduate Medicine Education, Climate and Health Program** 07/2022 - present

**Mentor, Mentored Scholarly Project, University of COSOM** 10/2021 - present

* Mentor students on climate and health- related project through first of his

four year’s medical training

**Director, Climate Medicine Elective, University of COSOM (EMED 8020)** 07/2021 - present

**Co-Director, Climate Medicine Elective, University of Colorado SOM** 3/2019 - 2/2021

* Annual responsibilities include: Recruiting instructors, designing and presenting

curricula.

**Faculty Mentor, Planetary Health Report Card for CUSOM** 2021- present

* Report card publication date listed

**Ward Teaching Attending, Denver Health** 2016 - present

* Attend on the general medicine wards; responsible for overseeing care of patients as well as teaching residents, interns and medical students. (8-10 weeks per year)

**Mentor, Foundations of Doctoring, University of CO SOM** 12/2017 - 2/2021

* Mentor a first-year medical student through two years’ experience on the wards, 8-12 contact hours per month.
* Nominated for Golden Stethoscope Award (May 2021)

**Lecturer/Primary Author, Plains Curriculum and Facilitator’s Guides, CUSOM** 10/2021, 2022, 2023

* Social Determinants, Environmental Health, and Climate Change

**Preceptor, Foundations of Doctoring, CUSOM** 9/2019 - 2/2021

* One-on-one clinical experience with 1st then 2nd year medical student
* Direct contact hours: approximately 30 per year
* Number of students: one per year

**Faculty Judge** 4/2014, 4/2015

* Georgetown Independent Scholarly Project Student Research Day Poster Session

**Faculty Preceptor, HOYA Clinic, GUSOM** AY 2015 – 2016

* Preceptor to students in the school of medicine-sponsored primary care clinic,

based in one of the District’s largest homeless shelters for families

* Number of Direct Contact Hours: 5; Number of Students approximately 25

INTERNAL MEDICINE RESIDENCY PROGRAM

**Faculty Mentor,** Primary Care Resident Research ElectiveAY 2023 – AY 2024

**Interviewer** 1/2018

* University of Colorado Internal Medicine Residency Program

**Faculty Judge** 5/2017

* Internal Medicine Residency Research Day, Denver Health

**Guest Lecturer,** Denver Health Noon Conference: *Climate Changes Health* 2/12/2024

**Guest Lecturer,** Health Equity Track: *Climate Change and Health Equity* 5/2022, 6/2022

University of Colorado Internal Medicine Residency

HOSPITAL

**Emergency Management Committee, Denver Health** 4/2024 - present

**Co-Chair, Denver Health Sustainability Committee** 7/2022 – present

**Pharmacy and Therapeutics Committee, Denver Health** 7/2022 - present

**Clinical Lead, Denver Health Sustainability Cohort** 6/2019 - 2022

* Monthly check-in meetings with consultant from Practice Greenhealth
* Complete leadership portion of yearly Awards Application

**Code Blue Committee, Denver Health** 1/2019 - 5/2020

**Malnutrition Steering Committee, Denver Health** 1/2017 - 5/2017

**Patient Monitoring Committee, Georgetown University Hospital** 9/2015 - 1/2016

EXTRAMURAL/ NATIONAL

**Board Member, American Meteorological Society, Environment and Health** 3/2024 – present

**Invited Member, Global Consortium on Climate and Health Education** 3/2024 – present

**Taskforce on Climate and Health US Education Advocacy**

**Board Member, Physicians for Social Responsibility, Colorado Chapter** 9/2023 – present

**Co-Director, Colorado Consortium on Climate Change and Health** 1/2023 – present

* 2024 Organized C4Health’24 Symposium
* 2024 Delivered opening remarks on behalf of C4Health for AB Nexus

Teaming Event on Climate Change and Human Health, Boulder, CO

**Society of General Internal Medicine (SGIM)** 2018 – present

* 2018 Founding Member, Environmental Health Interest Group
* 2021 Co-author, SGIM Position Related to Health Effects of Climate

Change, approved by SGIM Council June 10, 2021

* 2017-2020 SGIM Representative to Steering Committee, Medical Society

Consortium for Climate and Health

* 2017-2020 Participant, Women and Medicine Task Force Career Advising Program
* 2017,2018 Peer Judge, Mountain West SGIM Poster Competition

**Member, Colorado Consortium on Climate Change and Health** 2017 – present

**Member, Metro Denver Public Health Climate Change and Health Workgroup** 8/2017 – present

* Represent Public Health Institute at Denver Health on monthly meetings.
* Attend community events such as Denver Health Summit, June 2024

**American College of Physicians** 2015 – present

* 2016-2019 Council for Early Career Physicians, American College of

Physicians Colorado Chapter

* 2017 Colorado Chapter Annual Meeting, Feb 2-4, 2017
* 2017 Council for Early Career Physicians: Salon Dinner Chair

Topics: Climate Change and Health. Spring, 2017

* 2018 Selection Committee, Early Career Physician Award, American

College of Physicians Colorado Chapter Annual Meeting,

Feb 7-9, 2019, Colorado Spring, CO

**Guest Researcher, Centers for Disease Control, Climate and Health Branch** 7/2021 - 7/2022

**Invited Member, Global Consortium for Climate and Health Education** 7/2021 – 12/2022

**Working Group**

**Advisory Council, PCORI Tier II Grant**, P.I. Debbie Rinehart, PhD 9/2016 - 6/2018

* Proposed topic title: “Building bridges and resiliency for women in primary care

with co-occurring substance use disorders and chronic medical conditions”

**Participant,** Women and Medicine Task Force Career Advising Program, SGIM 3/2017 - 1/2020

**8. LICENSURE AND BOARD CERTIFICATION**

**State of Colorado Medical License:** 8/2007 - present

**American Board of Internal Medicine:** Dates of Certification/ Recertification 2019/2029

**9. TEACHING RECORD**

**Ward Teaching Attending, Denver Health** 2016 - present

* Attend on the general medicine wards; responsible for overseeing care of patients as well as teaching residents, interns and medical students. (8-10 weeks per year)

**Mentor, Mentored Scholarly Project, University of CUSOM** 10/2021 – present

* Mentor student on climate and health- related project through first of his

four year’s medical training

**Panel Organizer/Discussion Leader, CUSOM Vista Session** 11/2021

* *Climate Change in Medical Practice*

**Small group Leader, CUSOM: “Hopes and Fears” (Phase 1)** 9/2020

* Led discussion of Atul Gawande essay on positive deviance in medicine
* Direct contact hours: 1**;** Number of students: 9

**Small Group Leader, University of Colorado Intern Orientation** 7/2017

* Instructed on central line placement for new interns in internal medicine.
* Number of Direct Contact Hours: 2
* Number of Students: 3

**Leader in Curriculum Development, Health Equity Track** AY 2017 - 2019

* Designing a track for IM Residents at the University of Colorado

**Small Group Instructor, University of Colorado School of Medicine** 5/2017

* Led Q&A session and thoracentesis workshop.
* Number of Direct Contact Hours: 2
* Number of Students: Approximately 20 4th year medical students

**Ward Teaching Attending, Georgetown University Hospital** 2012 - 2016

* Attend on general medicine wards overseeing care of patients as well as

teaching residents, interns, and residents (6-8 weeks per year)

**Lecturer, Health Policy Elective, Georgetown SOM** AY 2015 - 2016

* Delivered original talks on The Affordable Care Act and National Healthcare Expenditures
* Number of Direct Contact Hours: 2
* Number of Students: Approximately 25 (Comprised of Medical Students, Residents, and Fellows)

**Lecturer, Curriculum Developer, High Value Care for Internists, GSOM** AY 2015 - 2016

* Presented ACP-derived slides on Fundamentals of Evidence Based Medicine
* Number of Direct Contact Hours: 4
* Number of Students: 55 (PGY 3 Residents)

**Faculty Preceptor, Physical Diagnosis, Georgetown SOM** 4 - 5/2015

* Number of Direct Contact Hours: 8
* Number of Students: 4

**Small Group Facilitator, Patients, Populations, and Policy, Georgetown SOM** 2014 - 2016

* Number of Direct Contact Hours: 12
* Number of Students: 10 (1st year medical students)
* Overall Evaluation Score: 4.88/5

**Facilitator, Evidence Based Medicine II, Georgetown SOM** 2015

* Number of Direct Contact Hours: 12; Number of Students: 10 (2nd year medical students)

**10. GRANT SUPPORT\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**Denver Health Pilot Grant:** 6/2020 - 6/2021

*Social Determinants of Health, High Temperatures, and Healthcare Utilization: A Retrospective Study*

- sponsored by Denver Health Office of Research

**Primary Care and Health Sciences Research Fellowship** AY 2017 - 2019

- sponsored by Denver Health and Hospital and AHRQ (grant R24).

**Certificate in Public Health, University of Colorado School of Public Health** AY 2017 - 2018

- sponsored by Denver Health and AHRQ as part of the Research Training Program.

**11. BIBLIOGRAPHY**

**Publications in peer-reviewed journals:**

1. Zosel A, **Egelhoff E**, Heard K. Severe lactic acidosis after an iatrogenic propylene glycol overdose. Pharmacotherapy. 2010 Feb;30(2):219

2. **Gillespie B.,** (2017). Proposing a Climate Action Plan for General Internal Medicine. SGIM Forum, 40(11), 4,12-13

3. Weppner W., Hollon M., **Gillespie E.,** & Christopher A. (2021). Seeking Inspiration in the Climate Crisis: Advocacy by SGIM Members. SGIM Forum 44(3):1,5,13.

4. Weppner W., Christoper A., Hollon M., **Gillespie E.**, & Basu G. (2021) Proposed SGIM Position Related to Health Efects of Climate Change. In: Society of General Internal Medicine

5. **Gillespie, E.,** Schramm, P. J., & Hsu, J. (2022). US public health response to climate change for allergists-immunologists. *Annals of allergy, asthma & immunology : official publication of the American College of Allergy, Asthma, & Immunology*, *128*(6), 626–628. <https://doi.org/10.1016/j.anai.2022.02.002>

6. Mallen, E., Roach, M., Fox, L., **Gillespie, E.,** Watkins, L., Hondula, D. M., Vaidyanathan, A., Manangan, A., Perkins, A. N., & Schramm, P. J. (2022). Extreme Heat Exposure: Access and Barriers to Cooling Centers - Maricopa and Yuma Counties, Arizona, 2010-2020. *MMWR. Morbidity and mortality weekly report*, *71*(24), 781–785. <https://doi.org/10.15585/mmwr.mm7124a1>

7. **Gillespie, E**., Cunningham J., & Indovina K. (2022). Interpretation of the Urine Drug Screen. *The Hospitalist,* <https://www.the-hospitalist.org/hospitalist/article/32085/interpreting-diagnostic-tests/intpretation-of-the-urine-drug-screen/>

8. Arifkhanova, A., Prieto, J. T., Davidson, A. J., Al-Tayyib, A., Hawkins, E., Kraus, E., McEwen, D., Podewils, L. J., Foldy, S., **Gillespie, E**., Taub, J., & Shlay, J. C. (2023). Defining Opioid-related Problems Using a Health Care Safety Net Institution's Inpatient Electronic Health Records: Limitations of Diagnosis-based Definitions. *Journal of addiction medicine*, *17*(1), 79–84. <https://doi.org/10.1097/ADM.0000000000001041>

9. **Gillespie E.** (2023). Meeting the Promise of Tomorrow through Planetary Health. *SGIM Forum* 46(5):1,15

10. H Whelan, **E Gillespie** (2024). Meeting the Promise of Today by Strengthening Relationships and Valuing Diversity. *SGIM Forum* 47(5):6.

11. Ghosh, A. K., Azan, A., Basu, G., Bernstein, J., **Gillespie, E**., Gordon, L. B., Krishnamurthy, S., LeFrancois, D., Marcus, E. N., Tejani, M., Townley, T., Rimler, E., Whelan, H., & SGIM Environmental Health Interest Group, Medical Education Committee (2024). Building Climate Change into Medical Education: A Society of General Internal Medicine Position Statement. Journal of general internal medicine, 10.1007/s11606-024-08690-1.

12. Lemery, J., O’Connor, T., **B. Gillespie, B.,** Blackburn, H., Demorest, S., Phillipsborn, R., and Chekuri, B. 2024. Opportunities for Strengthening Climate Education for Clinical Health Professionals. NAM Perspectives. Discussion Paper, National Academy of Medicine, Washington, DC. <https://doi.org/10.31478/202409b>.

13. **Gillespie, E**., Steiner, A., Durfee, J., Scott, K., Stein, A., Davidson, A. (in press). Novel Method for Measuring Ambient Heat Exposure–Acute Healthcare Utilization Associations Within a Safety Net: A Retrospective, Longitudinal Study. *Journal of General Internal Medicine.*

**Book chapters:**

12. Sorensen, C., **Gillespie, B**., Ahdoot, S. (2022). Climate Change and Invasive Human Pathogens. In L. H. Ziska (Ed), *Invasive Species and Global Climate Change, 2nd Ed.* (Ch. 11). Stylus. ISBN 9781800621435

**Abstracts, oral presentations, and poster presentations:**

13. Wheat S., Sorensen C., Chekhuri B., Sbiroli E., Balaban E., **Gillespie B.,** & Lemery J. From Science to Practice: A Framework for a Novel Fellowship in Climate and Health Science Policy for the Next Generation of Physician Leaders. 2021 American Geophysical Union Fall Meeting. Abstract ID: 809739 (Abstract)

14. Claflin S., & **Gillespie E.** Cardiac Sarcoidosis: A Resonating Diagnosis. 35th Annual Student Research Forum, CU School of Medicine. (Fall 2021). (Abstract)

15. **Gillespie E**, Acute Care Utilization Patterns Associated with Heat Sensitive Comorbidities when Exposed to High Temperature Periods. Society of General Internal Medicine National Meeting, April 8, 2022. Orlando, FL. (Oral presentation)

16. Bhargavi Chekuri, Beth Gillespie, Kate Weber, Rosemary Rochford, Jay Lemery, Caitlin Rublee. A Programmatic Approach to Leadership Development and Clinician Education in Climate Science and Health Policy. American Meteorological Society January 10, 2023 (Gillespie delivered presentation)

16.Blackburn H., Forrester C., Gillespie E., & Brock T. (2023).*"Serendipitous and Meaningful Cross-Program and Interprofessional Collaborations for Instruction in Climate and Health,"* presented at Life Long Learning in Pharmacy, Denver Colorado, July 2023 (LLLP2023). Published in International Pharmaceutical Federation (FIP) Pharmacy Education’s peer-reviewed journal. (Abstract)

17. Fritz D., Blevins K., Smith J., Canty, L., Walsh C., & **Gillespie E.** (2023). Planetary Health Curriculum Integration: 5 Step process to teach climate medicine in your Med School. Climate and Health 2023 Conference, October 20-21, 2023. Columbia Climate School, Hempstead, NY. (Poster)

18. Blevins K., Canty L., Foy B., Fritz D,. Smith J., Walsh C., & **Gillespie E.** (2024). Developing Physicians of the Future: Interactive planetary health based medical school course spurs confidence in climate sensitive healthcare. Colorado Consortium on Climate Change and Health Symposium, March 7, 2024. University of Colorado – Anschutz Medical Campus. (Poster)

19. Liu, J., Boysen M., Dhillon A., Meredith J., & **Gillespie E**.(2024). Urban Heat Disparities: A Survey on Public Awareness and Utilization of Cooling Centers in the Denver/Aurora Metropolitan Area. Colorado Consortium on Climate Change and Health Symposium, March 7, 2024. University of Colorado – Anschutz Medical Campus. (Poster)

**Academic speaking engagements:**

LECTURES, GRAND ROUNDS, RESEARCH UPDATES, AND KEYNOTES

School of Medicine

a. Multiple lectures for Climate Medicine (EMED 8010), 2019 - 2024

b. Guest Lecturer, *Climate Change and Clinical Practice.* Global Health and Disasters Course, CUSOM. September 2023

c. Interactive discussion on climate and health. Alpine Basecamp, CUSOM. February 1, 2024

Internal Medicine Residency

d. *Climate Change and Health,* Denver Health Resident Noon Conference, February 2017.

e. Guest Lecturer,*Climate Change and Health Equity.* Health Equity Pathway, University of Colorado Internal Medicine Residency*.* May and June 2022

f. *Climate Changes Health.* Internal Medicine Noon Conference, Denver Health. February 12, 2024

Division of Hospital Medicine, Denver Health

g. *Pulmonary Hypertension Pearls,* Acute Care Grand Rounds, Denver Health Division of Hospital Medicine, January 2017.

h. *Gun Violence: Ammunition for Hospitalists,* Acute Care Grand Rounds Denver Health Division of Hospital Medicine, December 2018

i. Denver Health Hospital Medicine Grand Rounds – shared research update. February 7, 2024

University of Colorado – Anschutz Medical Campus

j. *Social Determinants of Health, High Temperatures, and Healthcare Utilization: A Retrospective Cross-Sectional Work in Progress***.** CUSOM Division of Internal Medicine Research and Innovation Series**,** December, 2020

k. *The Climate Crisis: The Emerging Threat to US Healthcare and What We**Can Do About It.* Lecture to a meeting of the Department of Surgery Division Managers, University of Colorado School of Medicine, February 2020

l.Presenter, University of Colorado Hospital Patient and Family Research Advisory Council. Discussed pilot research design, September 2020.

m.Presenter, University of Colorado Medical Research Methods Core Seminar – Pilot Grant Awardees. Shared pilot research findings, September 2021.

n. Grand Rounds Speaker, *Climate Change and Health: Clinical Pearls for Geriatricians.* University of Colorado/GRECC Virtual Grand Rounds. April 2022.

Regional, National, and International Speaking Engagements

o. *Integrating health into climate change responses – the role of health professionals*. World Health Organization Pavilion, Blue zone, COP28, Dubai, U.A.E. December 9, 2023. **Keynote**

p.*Role of health systems in climate change mitigation and social determinants of health regarding the climate*. National Jewish Health Occupational and Environmental Medicine Research Forum, November 9, 2023. Denver, Colorado.

q. *Climate change: impacts and actions for health professionals* Lawrence General Hospital Grand Rounds, Lawrence, Massachusetts. January 16, 2024. Virtual lecture.

r. *Climate science for policymakers*. Visiting Lecturer in University of Denver Masters-level course, *Environment and Crises*. May 9, 2024.

PANELS, WORKSHOPS, AND OTHER SPEAKING ENGAGEMENTS

s. Climate Change and Health: *Why now is the time to start a climate medicine curriculum at your academic institution*, Rocky Mountain SGIM Workshop, October 2018.

t.Panelist: *Rethinking the Healthcare Model,* Clean Med Virtual Webinar,Healthcare Without Harm, September 2020. Webinar

u. Panelist: *Heat and Health: Confronting Climate Change for Community Benefit***.** Practice Greenhealth Community Benefit Cohort**.** September 2021. Webinar.

v. Moderator: *Planetary Health in the Curriculum*. Campbell H, VandeWoude S, Zimmer S; Panelists**.** University of Colorado School of Medicine Climate and Health Program Webinar on Climate Science. November 16, 2021. Webinar

w. Panelist: *Joint CDC-HRSA Presentation on Climate Change and Community Health*. CDC-HRSA March 2022. Webinar.

x.Webinar Leader, Virtual Global Consortium on Climate Change and Health Education Responders Course Student Skills Session on Food Insecurity, March, 2022. Webinar.

y. Presenter: *How to Teach Climate Medicine.* Academy of Medical Educators Grand Rounds – CUSOM. September 13, 2022.

z. Discussant and Organizer: *Human Health and Healthy Environments* with Dr. Philip Landrigan, University of Colorado School of Medicine Climate and Health Program Webinar on Climate Science. November 15, 2023. Webinar

aa. Invited speaker: AB Nexus Teaming Event on Climate Change & Human Health. Delivered opening remarks on behalf of CU-Anschutz Climate and Health Program, Colorado Consortium on Climate Change and Health, CU Boulder January 18, 2024.

bb. Workshop leader: *Meeting Learners Where They Are: Actions in climate and health education/ Lowering the threshold of expertise for instructing climate doctors.* Academy of Medical Educators Symposium, University of Colorado Anschutz Medical Campus. May 1, 2024

cc. Presenter: Colorado Updates in Public Health: COVID & Beyond. Project ECHO monthly presentation to Colorado healthcare providers, in partnership with CDPHE and CU-Anschutz. May 24, 2024. Webinar.