

Curriculum Vitae
Cecilia C. LOW WANG, MD, FACP

Current Positions

- 2019-present *Professor of Medicine*, Division of Endocrinology, Metabolism & Diabetes,
Department of Medicine, University of Colorado School of Medicine, Aurora, CO
- 2014-present *Director*, Glucose Management Team, University of Colorado Hospital, Aurora, CO
- 2018-present *Clinician-Scientist*, CPC Clinical Research
- 2019-present *Director*, University of Colorado Diabetes Fellowship Program, Aurora, CO

Work Address

University of Colorado School of Medicine
Anschutz Medical Campus
Department of Medicine
Division of Endocrinology, Metabolism, Diabetes
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Alternate Work Address

CPC Clinical Research
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Personal Data

Place of Birth: Texas

Citizenship: United States of America

Former Names: Cecilia C. L. Wang, Cecilia C. Low

Languages: English (native speaker), Mandarin Chinese (spoken and written language proficiency)

Education

- 1982-1984 W. T. Woodson High School, Fairfax, VA
- 1984-1987 Diploma, Taiwan Provincial Tainan Girls' Senior High School, Tainan, Taiwan
- 1987-1991 Bachelor of Arts *with Distinction in Chemistry*. Senior Thesis passed with Distinction.
Pomona College, Claremont, CA
- 1991-1996 Doctor of Medicine *with Distinction in Research*. University of Rochester School of
Medicine, Rochester, NY

Postgraduate Training

- 1996-1999 *Intern and Resident*, Department of Internal Medicine, University of Utah Health
Sciences Center, Salt Lake City, UT
- 1999-2000 *Chief Resident in Internal Medicine*, Department of Internal Medicine, University of
Utah Health Sciences Center, Salt Lake City, UT
- 2000-2003 *Endocrinology Fellow*, Division of Endocrinology, Metabolism & Diabetes, Department
of Medicine, University of Colorado Health Sciences Center, Denver, CO

Academic Appointments

- 2003-2004 *Instructor of Medicine*, Division of Endocrinology, Metabolism & Diabetes, Department of Medicine, University of Colorado Health Sciences Center, Denver, CO
- 2004-2012 *Assistant Professor of Medicine*, Division of Endocrinology, Metabolism & Diabetes, Department of Medicine, University of Colorado School of Medicine, Aurora, CO
- 2004-2019 *Director*, Housestaff and Student Education, Division of Endocrinology, Metabolism and Diabetes, Department of Medicine, University of Colorado School of Medicine, Aurora, CO
- 2006-present *Faculty*, Medical Education Resources, Littleton, CO
- 2008-2018 *Associate Director of Fellowship/Education Programs*, Division of Endocrinology, Metabolism and Diabetes, Department of Medicine, University of Colorado School of Medicine, Aurora, CO
- 2012-2019 *Associate Professor of Medicine*, Division of Endocrinology, Metabolism & Diabetes, Department of Medicine, University of Colorado School of Medicine, Aurora, CO
- 2019-present ***Professor of Medicine***, Division of Endocrinology, Metabolism & Diabetes, Department of Medicine, University of Colorado School of Medicine, Aurora, CO

Hospital Appointments

- 2003-2016 *Staff Physician*, Denver Veterans Affairs Medical Center, Denver, CO
- 2003-present *Physician* (Internal Medicine, Endocrinology), University of Colorado Hospital, Aurora, CO
- 2009; 2012-present ***Physician***, University of Colorado Hospital Glucose Management Team, Aurora, CO
- 2014-present ***Director***, Glucose Management Team, University of Colorado Hospital, Aurora, CO
- 2016-2018 *Physician*, Aspen Valley Hospital, Aspen, CO

CPC Clinical Research, Aurora, CO

- 2013-present *Medical Safety Officer*, Department of Scientific and Medical Affairs
- 2016-present *Safety Lead*, Department of Scientific and Medical Affairs
- 2018-present ***Clinician-Scientist***, Department of Scientific and Medical Affairs

Government

- 2016-2020 *Voting Member*, Endocrinologic and Metabolic Drugs Advisory Committee, U.S. Food and Drug Administration, Silver Spring, MD
- 2021-present ***Chair***, Endocrinologic and Metabolic Drugs Advisory Committee, U.S. Food and Drug Administration, Silver Spring, MD

Research Roles

- 1988 Research Assistant, Protein chemistry, Department of Biochemistry, National Cheng Kung University Medical College, Tainan, Taiwan
- 1988-1989 Laboratory Assistant, Plant physiology, Department of Biology, Pomona College, Claremont, CA
- 1989 Research Assistant, Medicinal organic chemistry, Department of Chemistry, Pomona College, Claremont, CA

- 1990 Research Fellow, Immunology, National Institute of Allergy and Infectious Diseases, National Institutes of Health, Bethesda, MD
- 1992 & 1993 Graduate Student, Neuroimmunology and aging, Department of Neurobiology and Anatomy, University of Rochester School of Medicine, Rochester, NY
- 1994-1995 Honors Medical Student Fellow, Diabetes and metabolism, Endocrine/Metabolism Unit, Department of Medicine, University of Rochester School of Medicine, Rochester, NY
- 2001-2012 Please see completed research funding section below
- 2014-2017 Medical Safety Officer: A phase II multicenter, randomized, double-blind, controlled, parallel group study to evaluate the walking time effect of long-term ticagrelor in comparison to long-term aspirin administration in ambulatory patients with peripheral artery disease undergoing endovascular revascularization – The Ticagrelor in Peripheral Artery Disease Endovascular Revascularization Study TI-PAD I EVR.
- 2015-2017 Medical Safety Officer: A multicenter, randomized, single-blind study with an open-label extension option to further evaluate the safety and efficacy of cryopreserved human amniotic membrane for the treatment of chronic diabetic foot ulcers
- 2016-present Medical Monitor: Clinical effectiveness of conventional versus X-treated apheresis platelets in patients with hypoproliferative thrombocytopenia
- 2016-2020 Clinical trial physician for 24-hour helpline: An international, multi-center, randomized, double-blind, placebo-controlled Phase 3 trial investigating the efficacy and safety of rivaroxaban to reduce the risk of major thrombotic vascular events in patients with symptomatic peripheral artery disease undergoing lower extremity revascularization procedures
- 2017-2020 International Clinical Adjudication Committee member: An international, multi-center, randomized, double-blind, placebo-controlled Phase 3 trial investigating the efficacy and safety of rivaroxaban to reduce the risk of major thrombotic vascular events in patients with symptomatic peripheral artery disease undergoing lower extremity revascularization procedures
- 2017-present Medical Safety Officer: A Multicenter, Prospective, Randomized, Open-Label Study with a Crossover Extension Option to Evaluate the Safety and Efficacy of X for the Treatment of Chronic Venous Leg Ulcers
- 2018-present Lead Principal Investigator: Phase 1 open-label safety study of X to heal chronic diabetic foot ulcers
- 2020-present Principal Investigator: Virta Intervention in CommuniTies in cOloRado (VICTOR-Pilot) Pilot Program to Improve Diabetes and Cardiovascular Risk in Rural Communities COMIRB #21-2620. NCT04807218.
- 2020-2022 Clinical Endpoint Committee member: NAPc2-201 and NAPc2-301 Assessing Safety, Hospitalization and Efficacy of rNAPc2 in COVID-19 (ASPEN-COVID-19). NCT04655586.
- 2021-present Site Principal Investigator: Time In Glucose Hospital Target (TIGHT) Pilot Randomized Controlled Trial. COMIRB #22-0004.
- 2021-present Sub-investigator: Balanced and Empowered EaTing (BEET) in Diabetes Study. COMIRB #: 20-2382. PI: Phoutdavone “Noy” Phimphasone-Brady, PhD
- 2021-present Sub-investigator: Role of Complex Sphingolipids in Diabetic Neuropathy. COMIRB #19-3004. PI: Vera Fridman, MD.

- 2021-present Sub-investigator: Multi-Session Feasibility Study Evaluating the Safety Effectiveness of the Dexcom Continuous Lactate Monitoring (CLM) System PTL 904630. PI: Inigo San Millan.
- 2022-present Site Principal Investigator: Tight in Glucose Hospital Target (TIGHT) ICU Observational Trial. COMIRB #22-0012.
- 2022-present Data Safety Monitoring Board member. PRECIDNTD (PREvention of Cardiovascular and Diabetic kidney disease in Type 2 Diabetes) PCORI multicenter pragmatic comparative effectiveness trial. NCT05390892.

Completed/Closed Investigator-Initiated Funded Research

- Oct 2010-Sep 2012 Principal Investigator
Regulation of Egr-1 in Insulin Resistance
Extension, Career Development Award-2, Department of Veterans Affairs Office of Research and Development, Medical Research Service, Washington, D.C.
- May 2010-Dec 2011 Co-Investigator
Adiponectin as an independent determinant of ethnic differences in insulin resistance
Clinical Translational Research Center study support, CTRC 6149UCH
National Institutes of Health National Center for Research Resources
1UL1RR025780
- Oct 2007-Sep 2010 Principal Investigator
Regulation of Egr-1 in Insulin Resistance
Career Development Award-2, Department of Veterans Affairs Office of Research and Development, Medical Research Service, Washington, D.C.
- Oct 2004-Sep 2007 Principal Investigator
Insulin Resistance and Vascular Disease
Research Career Development Award, Department of Veterans Affairs Office of Research and Development, Medical Research Service, Washington, D.C.
- Jul 2004-Jun 2006 Principal Investigator
Diabetes Trust Foundation Clinical Scholars in Diabetes Fellowship.
- Jul 2002-Sep 2004 Principal Investigator
Mechanism of the Mitogenic Influence of Hyperinsulinemia
Associate Investigator Program, Medical Research Service, Veterans Health Administration, Department of Veterans Affairs, Washington, D.C.
- Jul 2001 – Jun 2002 Research Fellow
Endocrinology, NIH Training Program Grant 5T32DK007446-22, Division of Endocrinology, Metabolism and Diabetes, University of Colorado Health Sciences Center, Denver, CO.

Completed/Closed Investigator-Initiated Research (no direct funding)

- Sep 2015-2018 Sub-Investigator
Vitamin D and Type 2 Diabetes Study (D2d)
ClinicalTrials.gov Identifier: NCT01942694

Clinical Trial roles (no direct funding)

- 2007-2013 Safety Monitor - FLARE study (NIH/NIDDK R01) – lipectomy effects on metabolism
2012-2016 Safety Monitor - Timing Hypothesis for Estrogen Therapy Study (NIH/NIDDK R01)

Colorado Clinical Translational Science Institute Leadership Innovating in Team Science (LITeS)

- 2016-2017 Tenth cohort. Group project: *Catalyzing an Innovation-Entrepreneurship Ecosystem: The Faculty Perspective*. Supported by Colorado CTSA Grant UL1 TR002535 from NCATS/NIH. Presented April 7, 2017

Professional Training

- 2014-2015 Medical Safety Officer training, CPC Clinical Research
2016-2017 Leadership Innovating in Team Science (LITeS). Colorado Clinical Translational Science Institute.
2018 Introductory Training Program in Quality Improvement, Institute for Healthcare Quality, Safety and Efficiency (IHQSE), University of Colorado Anschutz Medical Campus
2021 CCTSI Leadership Innovating in Team Science (LITeS) CliftonStrengths Workshop: Got Talent? Fostering Great Strengths
2021 University of Colorado 2020-2021 four-part Equity Certificate Program: Unconscious Bias and Virtual Settings, From Bystander to Active Allyship, What's in a Name? Equity Concepts, Leading through an Equity Lens.

Relevant Coursework – University of Colorado Graduate School

- CLSC 7500 - Practical Application of Molecular and Cell Biology Techniques for the Clinical Investigator (audited 3 credit hr)
CLSC 7400 – Theory and Application of Techniques for the Study of Human Metabolism *In Vivo* (3 credit hr)
CLSC 6550 - Applications of Biostatistics to Clinical Research Questions (1 credit hr)

Certification

- State of Colorado Department of Regulatory Agencies Division of Registrations Board of Medical Examiners License for Practice of Medicine: 038877; effective until April 2023
U.S. Drug Enforcement Administration Controlled Substance Registration Certificate: #BL5553056 *Diplomate*, National Board of Medical Examiners (U.S. Medical Licensing Examination) 1997 *Diplomate* in Internal Medicine. American Board of Internal Medicine 2000 *Diplomate* in Endocrinology, Diabetes and Metabolism. American Board of Internal Medicine 2002, recertified until 2022
Basic Life Support certification: effective until Feb 2015
Utah Department of Occupational and Professional Licensing
Physician and Surgeon: #97-342784-1205; expired Jan 2001
Controlled Substance: #97-342784-9915; expired Jan 2001

Awards and Honors

- 1987 *International Red Cross Award for Community Service*, Taiwan Chapter
1990 *Introduction to Biomedical Research Program*, National Institute of Allergy and Infectious

- Diseases, National Institutes of Health, Bethesda, MD
- 1991 *Stanley D. Wilson Prize in Chemistry*, Pomona College, Claremont, CA
- 1995 *Distinguished Research Award*, Associated Medical Schools of New York, New York, NY
- 1996 *Rochester Society of Internal Medicine Prize Award*, Rochester Academy of Medicine, Rochester, NY
- 1996 *Charles D. Kochakian Award in Endocrinology and Nutrition*, University of Rochester School of Medicine, Rochester, NY
- 1997 *Outstanding Internal Medicine Intern*, Department of Internal Medicine, University of Utah School of Medicine, Salt Lake City, UT
- 1998 *National Institutes of Health – National Medical Association Clinical Fellowship Travel Award*, National Institute of Diabetes, Digestive and Kidney Diseases, Bethesda, MD
- 2001 *Stanford University Osteoporosis Preceptorship*, Stanford University School of Medicine, Stanford, CA
- 2002 *Loan Repayment Program for Clinical Researchers*, National Institutes of Health, Bethesda, MD
- 2002 *Endocrine Fellows Forum and Travel Award*, Endocrine Fellows Foundation and American Diabetes Association, Alexandria, VA (ADA)
- 2002 *Pfizer Scholars in Endocrinology Award*, Pfizer Inc., New York, NY
- 2003 *Western Society for Clinical Investigation Travel Award*, American Society for Clinical Investigation, Ann Arbor, MI
- 2003 *WAFMR/Aventis Scholar*, Western Regional Meeting, American Federation for Medical Research, Manchester, MA
- 2003 *AstraZeneca Scholarship*, 3rd International Workshop on Insulin Resistance, International Medical Press, Atlanta, GA
- 2004 *Women in Endocrinology Abstract Award*, Women in Endocrinology, Boston, MA
- 2004 *NIH NIDDK K08 Mentored Clinical Scientist Development Award*: priority score 151. Selected for funding but declined because of simultaneously-awarded other research funding
- 2004 *Clinical Scholars in Diabetes Fellowship*, Diabetes Trust Foundation, Birmingham, AL
- 2005 *Aventis Metabolism Scholar Award*, Western Tri-Societies meeting, American Federation for Medical Research, Manchester, MA
- 2008 *State-of-the-Art Invited Lecture in Metabolism*, Western Tri-Societies meeting, American Federation for Medical Research, Manchester, MA
- 2009 *Fellowship of the American College of Physicians*, American College of Physicians, Philadelphia, PA
- 2009 *Phase I Award*, Novel Clinical and Translational Methods Development Program, Colorado Clinical & Translational Sciences Institute, Aurora, CO
- 2012 *Keynote speaker*, Rocky Mountain Chinese Society for Science and Engineering Annual Meeting, Denver, CO
- 2014 *Symposium speaker*, Italian Society of Diabetology National Meeting, Bologna, Italy. Clinical Symposium entitled “Treatment of the diabetic patient in the hospital”
- 2016 *Master Clinician presenter*, Diabetes, Endocrine Society Annual Meeting 2016, Boston, MA
- 2016-2017 Leadership Innovating in Team Science (LITeS) - Colorado Clinical Translational Science Institute - Tenth cohort. Group project: *Catalyzing an Innovation-Entrepreneurship Ecosystem: The Faculty Perspective*. Presented April 7, 2017

Membership in Professional Organizations

1990-2007	Sigma Xi
1999-2000	<i>Associates Committee</i> , American College of Physicians/American Board of Internal Medicine Utah Chapter
2001-2013	American Federation for Medical Research
2002-2013	Women in Endocrinology
2003-2004	<i>Committee Member</i> , Basic Research Subcommittee, Research Affairs Committee, Endocrine Society
2003-2007	<i>Committee Member</i> , Trainee Development Committee (formerly “Associates Council”), Endocrine Society
2004-2007	<i>Committee Member</i> , Clinical Research Subcommittee, Research Affairs Committee, Endocrine Society
2005-2013	American Heart Association
2007-2010	<i>Committee Member</i> , Scientific and Educational Programs Core Committee, Endocrine Society
2010-2013	<i>Committee Member</i> , Research Affairs Core Committee, Clinical Research Subcommittee, Endocrine Society
2016-2017	<i>Task Force Member</i> , Strategic Plan 4 Task Force, Endocrine Society
1996-present	American College of Physicians
2000-present	Colorado Society for Endocrinology and Metabolism
2001-present	Endocrine Society
2002-present	American Diabetes Association
2004-present	American Association of Clinical Endocrinology
2009-present	<i>Committee Member</i> , Clinical Diabetes and Endocrinology Annual Conference Program Committee, Clinical Diabetes Endocrine Institute
2009-present	<i>Fellow</i> , American College of Physicians, Philadelphia, PA

Committee and Service Responsibilities

National

Food and Drug Administration, Silver Spring, MD

2016-2020	<i>Voting Member</i> , Endocrinologic and Metabolic Drugs Advisory Committee
2021-present	<i>Chair</i> , Endocrinologic and Metabolic Drugs Advisory Committee

Endocrine Society, Washington, D.C.

2003-2004	<i>Committee Member</i> , Basic Research Subcommittee, Research Affairs Committee,
2003-2007	<i>Committee Member</i> , Trainee Development Committee (formerly “Associates Council”),
2004-2007	<i>Committee Member</i> , Clinical Research Subcommittee, Research Affairs Committee,
2007-2010	<i>Committee Member</i> , Scientific and Educational Programs Core Committee
2010-2013	<i>Committee Member</i> , Research Affairs Core Committee, Clinical Research Subcommittee
2014-2019	<i>Committee Member</i> , Trainee & Career Development Core Committee
2016-2017	<i>Member</i> , Strategic Plan 4 Task Force
2019-present	<i>Committee Member</i> , Clinical Endocrine Update Steering Committee
2021-present	<i>Committee Member At-Large</i> , Nominating Committee

American Association of Clinical Endocrinology

- 2021-2022 *Chair*, Diabetes Disease State Network
2021-2022 *Member*, 2022 Annual Meeting Program Subcommittee
2021-present *Member*, Disease State Network Oversight Committee
2021-present *Member*, AACE Comprehensive Type 2 Diabetes Management Algorithm Task Force
2022-present *Vice Chair*, Disease State Network Oversight Committee

American Heart Association

- 2022-present *Member*, Lifestyle Diabetes Committee, Council on Lifestyle and Cardiometabolic Health

American College of Diabetology

- 2022-present *Founding Board Member*
2022-present *Treasurer*

School of Medicine

University of Colorado School of Medicine

- 2004-2006 *Member*, Metabolism Block Subcommittee for development of 2nd year curriculum
2012-2013 *Member*, Advanced Studies (Phase IV) Committee

University of Utah School of Medicine

- 1996-2000 *Member*, Housestaff/Faculty Committee
1997-1999 *Member*, Advisory Committee (for Promotion, Retention and Tenure)
1999-2000 *Member*, Cardiopulmonary Resuscitation Committee

University

Colorado Multiple Institutional Review Board, University of Colorado Anschutz Medical Campus

- 2006-2007; *Panel Member*, Panel B. *Ad hoc VA representative*, Panel A
2010-2014

Action for Health in Diabetes (Look AHEAD) trial of intensive lifestyle intervention in type 2 diabetes, Denver, CO site

- 2007-2013 *Study Physician*

Departmental/Division

Department of Medicine

- 2004-2016; *Interviewer*, Intern Applicants
2020-present
2012-2013 *Member*, Morbidity and Mortality Committee, Department of Medicine
2015-2019 *Member*, Physician Scientist Training Program Selection Committee
2017-present *Interviewer*, Intern Applicants for Medicine-Pediatrics Housestaff Training Program

Division of Endocrinology, Metabolism, and Diabetes

- 2008-2011 *Faculty Organizer*, Grand Rounds for Division of Endocrinology, Diabetes and Metabolism

2008-2018 *Associate Program Director, Fellowship/Education*
2008-2018 *Director, Endocrine Elective Rotation*
2018-present *Member, Clinical Leadership Committee*
2020-present *Founding Program Director, Diabetes Fellowship*

Hospital

Denver VA Medical Center, Denver, CO

2008-2010 *Member, Institutional Animal Care and Use Committee*

University of Colorado Hospital, Aurora, CO

2015 *Member, Access Working Group*
2015-2016 *Member, JCAHO Inpatient Diabetes Certification Working Group*
2016-present *Member, Diabetes Advancement Committee*
2022-present *Co-Chair, Endocrine Collaborative Care Review Committee*
2022-present *Member, Endocrine Safety Committee*

University Physicians Incorporated, Aurora, CO

2016-2017 *Member, Diabetes Outpatient Workgroup*

Review and Referee Work

Grants

Endocrine Fellows Foundation Fellows Development Research Grant Program in Diabetes, Obesity and Fat Cell Biology (2011)
American Heart Association Lipids Clinical Committee Grants (2012)
Endocrine Fellows Foundation Marilyn Fishman Grant for Research in Obesity and Type 2 Diabetes (2013, 2014)
Endocrine Fellows Foundation EFF Endocrine Research Grant (2014, 2015, 2019)

Awards/Funding

Endocrine Society Lilly Award Grant (2010)
Endocrine Society Early Investigator Award (2011, 2012, 2014, 2015, 2018, 2019, 2020)
Endocrine Society Summer Research Fellowship (2012)
Endocrine Society Clinical Research Fellowship Award in Women's Health (2013)
Endocrine Society Acromegaly Research Fellowship Award (2019)

Abstracts

Western Regional Meeting – American Federation for Medical Research (2008, 2011)
Endocrine Society ENDO Scientific Sessions – Endocrine Society (2012, 2013, 2015, 2016, 2018)
Reducing Health Disparities in Type 2 Diabetes Mellitus Summit –Endocrine Society (2013)
University of Colorado Education Innovation Symposium (2015, 2018)
International Congress on Endocrinology/Endocrine Society 2014 16th International Congress of Endocrinology & Endocrine Society's 96th Annual Meeting & Expo (2014; also judged for the *Presidential Poster Competition*)
American Diabetes Association Scientific Sessions (2016)

Journals (Ad Hoc)

American Journal of Hypertension, Arteriosclerosis, Thrombosis, and Vascular Biology, BMJ Open Diabetes Research & Care, Cardiovascular Diabetology, Circulation, Clinical Diabetes, Clinical Diabetes and Endocrinology, Clinical Pharmacology & Therapeutics, Diabetes, Diabetes Care, Diabetes Research and Clinical Practice, Diabetes Spectrum, Diabetologia, Endocrine, Endocrine Practice, European Journal of Endocrinology, Hospital Practice, Journal of Diabetes Science and Technology, Journal of Hospital Medicine, Journal of the American Heart Association, Lancet Diabetes and Endocrinology, PLOS One, Vascular Medicine

Editorial Board

2019-present Online Resources: Specialty Editorial Board, *Dynamed Plus*. American College of Physicians Endocrinology Topic Reviewer: *Clinical Overviews and Recommendations in Diabetes*.

Invited extramural lectures, presentations and visiting professorships

Local (29)

- 2003 *Menopause workshop* for Christian Women's Life Changes Seminar, New Jerusalem Missionary Baptist Church, Fountain, CO
- 2005 *Setting Goals*. Diabetes Fall and Spring Conferences, Eastern Colorado Health Care System Denver VA, Denver, CO
- 2006 *Workup for thyrotoxicosis*. Salud Family Clinic, Longmont, CO
- 2006 *Vascular calcification: intersection of bone and vascular biology*. Endocrine Grand Rounds, University of Colorado School of Medicine Department of Medicine Division of Endocrinology, Metabolism and Diabetes, Aurora, CO
- 2006 *New diabetes agents and their role in type 1 and type 2 diabetes*. University of Colorado Department of Medicine Internal Medicine Update, Estes Park, CO
- 2006 *Making Sense of Your Cholesterol*. Diabetes Fall and Spring Conferences, Eastern Colorado Health Care System Denver VA, Denver, CO
- 2007 *Insulin effects in vascular smooth muscle cells*. Endocrine and Hormonal Malignancies Research Conference, University of Colorado School of Medicine, Aurora, CO
- 2007 *The Slippery Slope of Lipid Profiles*. Diabetes Fall and Spring Conferences, Eastern Colorado Health Care System Denver VA, Denver, CO
- 2008 *Managing hyperglycemia to reduce microvascular complications in type 2 diabetes* (talk and panel discussion). Look AHEAD trial, Denver, CO
- 2008 *Diabetic neuropathy*. University of Colorado School of Medicine Endocrine Practice Monthly Diabetes Conference, Aurora, CO
- 2008 *Vitamin D: insulin sensitivity and vascular disease*. University of Colorado Cardiometabolic disease Across the Lifespan (CALM) monthly conference, Aurora, CO
- 2009 *Diabetic neuropathy – the forgotten complication*. University of Colorado School of Medicine General Internal Medicine Practice Clinical Conference, Aurora, CO
- 2009 *Lipids: Issues in Diabetes*. Diabetes Fall and Spring Conferences, Eastern Colorado Health Care System Denver VA, Denver, CO

- 2009 *Diabetic neuropathy*. University of Colorado School of Medicine General Internal Medicine Garfield Clinic Conference, Denver, CO
- 2011 *Vitamin D and Cardiovascular Disease*. Presbyterian-St. Luke's Hospital Internal Medicine Grand Rounds, Denver, CO
- 2011 *Vitamin D and Cardiovascular Health: Association or Causation?* University of Colorado School of Medicine Division of Endocrinology Grand Rounds, Aurora, CO
- 2011 *Molecular mechanisms of vascular dysfunction in a novel porcine model of diet-induced obesity*. VA Research Days, Denver VA Medical Center, Denver, CO
- 2011 *What a Difference 10 Years Makes! Advances in Diabetes Over the Last 10 Years* (talk and panel discussion). Look AHEAD trial retention event, Denver, CO
- 2012 *Update – What's Hot in Diabetes* (talk). Look AHEAD trial retention event, Denver, CO
- 2013 *Eye Health and Retinopathy*. Look AHEAD trial retention event, Denver, CO
- 2014 *From Aspirin to Insulin*. American Diabetes Association Expo, Denver, CO
- 2014 *What you need to know about diabetes in 2014*. Colorado Heart Healthy Solutions New Community Health Worker Workshop, Aurora, CO
- 2015 *Diabetic Ketoacidosis: Innovative Strategies for a Challenging Condition*. University of Colorado School of Medicine Division of Endocrinology Grand Rounds, Aurora, CO
- 2018 *Diabetic Ketoacidosis and Hyperosmolar Hyperglycemic Syndrome*. Lecture. Advanced Practice Providers, Medical Intensive Care Unit, University of Colorado Hospital, Aurora, CO
- 2020 *Diabetes – 2020 Update for Colorado Heart Healthy Solutions*. Colorado Heart Healthy Solutions Community Health Navigator Training Workshop, Aurora, CO
- 2021 *CoViD-19, Hyperglycemia and Diabetes – What's the Connection?* University of Colorado Endocrinology Division Grand Rounds Co-presenter, Aurora, CO.
- 2021 *Inpatient Hyperglycemic Management – Diabetes Technology in the Hospital*. Lecture, University of Colorado Division of Hospital Medicine Grand Rounds. Co-presenter with Maria Klimenko, MD, and Stacey Seggelke, CNS, Aurora, CO.
- 2021 *Continuous Glucose Monitoring in the Non-ICU Setting – Journal Club*. Lecture. University of Colorado Division of Hospital Medicine All-Site Journal Club.
- 2022 *Hypoglycemia in Older Adults: What Should We Target for Glucose Control in Diabetes?* Lecture. University of Colorado Division of Geriatric Medicine Grand Rounds.

Regional (17)

- 2006 *New diabetes agents and their role in type 1 and type 2 diabetes*. University of Colorado Department of Medicine Internal Medicine Update, Estes Park, CO
- 2006 *Treatment paradigms for diabetes*. Fall 2006 Primary Care Conference of the Community Health Association of Mountain/Plains States and the Northwest Regional Primary Care Association, Denver, CO
- 2007 *New horizons in diabetes treatment*. American Academy of Nurse Practitioners Wyoming Fall Conference, Cheyenne, WY
- 2007 *Nephropathy and end-stage renal disease in diabetes – Management Issues*. Grand Junction VA Medical Center educational sessions, Grand Junction, CO.
- 2007 *Making sense of insulin therapy for type 2 diabetes*. Grand Junction VA Medical Center educational sessions, Grand Junction, CO.
- 2008 *Aortic insulin signaling is perturbed in a large animal model of diet-induced obesity*. State-of-

- the-Art Invited Lecture in Metabolism: Western Tri-Societies meeting, American Federation for Medical Research, Manchester, MA
- 2008 Session Chair, Western Tri-Societies Meeting, *American Federation Medical Research*
- 2008 *Lipids in women* (talk and panel discussion). 6th Annual Colorado Women's Cardiovascular Health Symposium. Center for Women's Health Research, Denver, CO
- 2012 *Diabetes – It's not just about the sugar!* Rocky Mountain Chinese Society of Science and Engineering 30th Annual Conference, Denver, CO
- 2013 *Diabetes and Cardiovascular Disease: Current Data and How to Prioritize Risk Reduction* (talk and panel discussion). 11th Annual Colorado Women's Cardiovascular Health Symposium. Center for Women's Health Research, Aurora, CO
- 2013 *Where and How Does Vitamin D Fit into Women's Health Care?* Colorado Obstetrics and Gynecology Society annual meeting, Denver, CO
- 2014 *Diabetes and Cardiovascular Risk*. 30th Annual Winter CME Meeting, Colorado Academy of Physicians Assistants, Copper Mountain, CO.
- 2015 *Advanced Insulin Management and Delivery*. American Diabetes Association 3rd Annual Advanced Diabetes Practice for Primary Care conference, Denver, CO
- 2015 *Type 2 Diabetes*. Family Medicine Forum, Florida Academy of Family Physicians, Palm Beach, FL
- 2015 *Obesity*. Family Medicine Forum, Florida Academy of Family Physicians, Palm Beach, FL
- 2016 *Insulin Therapy for Type 2 Diabetes: When and How*. Rocky Mountain Metabolic Syndrome Symposium 2016, Aurora, CO
- 2020 *Diabetes: Putting it all together to design a high value diabetes regimen for your patient*. American College of Physicians Colorado Chapter Meeting, Colorado Springs, CO.

National (38)

- 2003 Visiting Professor, University of Utah Health Sciences Center, Salt Lake City, UT
Insulin and vascular smooth muscle cell phenotype. Research Seminar, Cardiac and Vascular Biology Group
Thyroid emergencies. Internal Medicine Housestaff noon conference
- 2005 Co-moderator for Clinical Investigator's Workshop for Trainees, *Endocrine Society*
- 2010 *Early defects occur in PI3-kinase/Akt signaling and vascular function in a novel porcine model of diet-induced obesity*. American Diabetes Association Scientific Sessions, Orlando, FL
- 2012 Symposium chair: CVD Risk in Diabetes – Is Glucose Important? *ENDO 2012*, Houston, TX. Endocrine Society.
- 2012 Session Chair, Clinical Research Fellowship and Mentor Oral Presentation session, *ENDO 2012*, Houston, TX. Endocrine Society.
- 2014 *Inpatient Hyperglycemia in Select Populations*. Clinical Diabetes and Endocrinology in 2014 Conference, Snowmass, CO
- 2014 Symposium chair: Diabetes: An Assault on the Vasculature. *16th International Congress of Endocrinology & the Endocrine Society's 96th Annual Meeting & Expo*, Chicago, IL. Endocrine Society.
- 2015 Co-chair, 2015 Oral Presentations in Reproductive Science Competition, Endocrine Society Annual Meeting 2015
- 2016 *Management of Hyperglycemia in the Inpatient Setting*. Endocrine Society Annual Meeting Meet

- the Professor Sessions, Boston, MA
- 2017 *New Insulin Therapies – Practice Changing?* Clinical Diabetes and Endocrinology 2017 – Snowmass, CO.
- 2017 Chair, Symposium: *Can We Improve Cardiovascular Risk in Type 2 Diabetes?* Endocrine Society Annual Meeting 2017
- 2017 Moderator, panel discussion of cases: *Mixed-up Metabolism – Obesity and Lipid Disorders.* Clinical Diabetes and Endocrinology 2017 – Snowmass, CO.
- 2017 *Insulin Management Algorithms for the Inpatient Setting.* Symposium. American Diabetes Association 77th Scientific Sessions, San Diego, CA
- 2017 *Recurrent DKA – An Approach to a Recurrent Challenge.* Association of Diabetes Centers: PRIDE and PROUD Meeting, American Diabetes Association 77th Scientific Sessions, San Diego, CA
- 2018 *A Balancing Act: Benefits vs Risks of Diabetes Therapies.* Clinical Diabetes and Endocrinology 2018 – Snowmass, CO
- 2018 *Complications and Comorbidities: Challenging Diabetes Cases.* Case developer and Moderator, panel discussion of cases: Clinical Diabetes and Endocrinology 2018 – Snowmass, CO
- 2018 *Effective Inpatient Glucose Management Team - Structure and Function.* Planning Research in Inpatient Diabetes (PRIDE) General Session, American Diabetes Association 78th Annual Scientific Sessions, Orlando, FL.
- 2019 *Which Treatments for Diabetes? Getting to the “Heart” of the Matter.* 20th Annual Diabetes Conference: Current Treatments for Diabetes Complications. University of Rochester School of Medicine and Dentistry, Rochester, NY.
- 2019 *Workshop 3: Diabetes and Cardiovascular Disease.* 20th Annual Diabetes Conference: Current Treatments for Diabetes Complications. University of Rochester School of Medicine and Dentistry, Rochester, NY.
- 2019 *Diabetes Case Presentations – Panel Discussion.* Panelist. 20th Annual Diabetes Conference: Current Treatments for Diabetes Complications. University of Rochester School of Medicine and Dentistry, Rochester, NY.
- 2019 *Dilemmas in Diabetes Management – Case-Based Panel Discussion.* Panelist, Colorado Diabetes and Endocrinology Institute 55th Annual CME Conference, Snowmass, CO.
- 2019 *Diabetes and Lipid-Lowering - Which Treatment for Which Patient?* Panelist, In session 763. Ambulation to Rivaroxaban: Branching outside the coronaries. American College of Cardiology ACC.19 Scientific Sessions 2019, New Orleans, LA.
- 2019 Co-Chair, Oral abstract session OR 28. *Metabolism, Diabetes and Obesity: New Mechanisms and Models.* ENDO 2019 Endocrine Society 101st Annual Meeting and Expo, New Orleans, LA.
- 2019 *Cardiovascular and Limb Outcomes in Patients with DM and Peripheral Artery Disease.* 3rd Annual Heart in Diabetes. Philadelphia, PA.
- 2020 Panelist, *Challenges in Diabetes – Case-Based Panel Discussion.* Colorado Diabetes and Endocrinology Institute 56th Annual CME Conference, Snowmass, CO.
- 2020 *Which Therapy for Which Patient? Complexities in Diabetes Management.* Clinical Diabetes and Endocrinology Institute 56th Annual CME Conference, Snowmass, CO.
- 2020 *Managing Risk in Survivors on Androgen Deprivation.* American College of Cardiology ACC.20 Virtual Annual Meeting, Chicago, IL.
- 2020 *Management of Steroid Associated Hyperglycemia in Inpatient and Outpatient Settings.*

- Professional Interest Group Discussion on Clinical Centers & Programs - Frequently Encountered Glycemic Management Issues Without Clear Guidelines. American Diabetes Association 80th Scientific Sessions, Virtual Meeting.
- 2020 *Severe Hypoglycemia: The Frequently Forgotten Threat*. Endocrine Society ENDO 2020 Online Meeting. CME MOC Special Program.
- 2020 *Whose Job Is It? Multidisciplinary Management of Peripheral Artery Disease*. Moderator. Educational panel discussion webinar presented during American Diabetes Association Scientific Sessions (Virtual).
- 2020 *Lowering Glucose in Older Patients: How Much is Too Much?* Session #: GR.CVS.446, Session Title: Cardiovascular Disease Prevention in Older Adults: Reconciling Recommendations with Reality. American Heart Association 2020 Scientific Sessions (Virtual).
- 2021 *How Will This Impact FDA Approval of Diabetes Drugs?* In Symposium S20: *More Than A1c: Important Outcomes for Those With Diabetes*. Endocrine Society ENDO 2021 Annual Meeting (Virtual).
- 2021 *Diabetes Technology in the hospital and peri-operative period*. Meet the Expert session. American Association of Clinical Endocrinology. Envision: AACE Annual Meeting 2021. (Virtual)
- 2021 *Leaping Into the Future: Novel Therapies for Peripheral Artery Disease*. Content developer and Panelist. Society for Vascular Medicine Annual Meeting 2021. On-Demand Webinar.
- 2022 *Obesity Management in 2021: Obesity Panel*. Panelist. Clinical Diabetes and Endocrinology Institute 57th Annual CME Conference, Snowmass, CO.
- 2022 *Individualized Treatment for Diabetes (Type 2): Diabetes Panel*. Panelist. Clinical Diabetes and Endocrinology Institute 57th Annual CME Conference, Snowmass, CO.
- 2022 *Disease State Network Year in Review: Diabetes*. American Association of Clinical Endocrinology Annual Meeting 2022, San Diego, CA.
- 2022 *Successful Co-Management Between Endocrinology and Primary Care – Diabetes*. American Association of Clinical Endocrinology Annual Meeting 2022, San Diego, CA.

International (3)

- 2014 *Anti-hyperglycemic therapy in the patient on enteral nutrition*. Symposium speaker, Italian Society of Diabetology National Meeting, Bologna, Italy.
- 2020 *CoViD-19 and Diabetes: What Have We Learned So Far?* Symposium speaker, National Physicians Association of Zimbabwe NAPAZ Annual Sessions (Virtual).
- 2020 *Best Medical Therapy to Support Successful Revascularization*. Organizer and panelist, European Society for Vascular Surgery (Virtual).
- 2021 *Walking Into the Future – Multifaceted Care to Reduce Vascular Risk in Diabetes*. Content developer and moderator. European Association for the Study of Diabetes Annual Meeting 2021. Symposium. (Virtual)

TEACHING RECORD

Teaching Portfolio available upon request, containing additional details of educational activities including course development, syllabi, and teaching evaluations

High School Students

CU Pre-Health Scholars Program (CUPS)

2021 Health Disparities in Diabetes. Summer course: Health, Equity and Social Justice.
University of Colorado Anschutz Medical Campus, Aurora, CO.

Undergraduate Students

Dine College, Tsale, AZ

2010 Medicine as a career path. Clinical Translational Science Award (CTSA) Education and Training Pillar, Aurora, CO Summer Research Enhancement Program in Cancer and Diabetes Prevention. University of Colorado School of Medicine
2010 NIH Clinical Translational Science Award Education and Training Pillar, University of Colorado School of Medicine Aurora, CO. Research presentation advisor for Summer Research Enhancement Program in Cancer and Diabetes Prevention

Graduate and Medical School Students

Summer Research Fellowship Webinar, Endocrine Society

2016, 2017, 2018, 2019 *How to Choose a Good Mentor and Be a Good Mentee.*

Graduate School Students

University of Colorado Health Sciences Center Graduate School

2006 RPSC 7801: Endocrinology and Metabolism. *Thyroid function and disease* (1 hr).
2009 Reproductive Sciences Graduate Program: *“Insulin resistance and diabetes mellitus: Clinical correlates”* (1 hr), University of Colorado School of Medicine, Aurora, CO

Medical School Students

University of Utah School of Medicine

1999-2000 Morning report 4 days/week, Morbidity and Mortality Conferences 2/month, 3rd and 4th year medical student EKG sessions weekly, medical service attending 7.5 weeks. Organized departmental Grand Rounds and daily housestaff and medical student noon conferences

University of Colorado School of Medicine

2002-2006 Gastrointestinal, Endocrine and Metabolism Block small group facilitator (2nd-year medical students): 12-14 hr/yr
2003-2011 Ward attending for Medical Service, 2-4 weeks/yr, Denver VA Medical Center
2003-2015 Consult attending for Endocrine Inpatient Consult Service, 2-6 weeks/yr, University of Colorado Hospital and Denver VA Medical Center
2004-2007 Foundations of Doctoring small group facilitator: abdominal, head and neck, and pulmonary exams, cardiovascular risk assessment, and Transition to Third Year oral presentations (2nd-year medical students)
2006 Lecturer, Gastrointestinal, Endocrine and Metabolism Block (2nd year medical students): *Non-insulin glucose-lowering therapies for diabetes* (1 hr/yr)
2006-2017 Digestive, Endocrine and Metabolism Block small group facilitator (2nd year medical students): 4-8 hr/yr
2007-2010 Life Cycle Block male and female reproductive small group discussions (2nd year medical

- students): 2-4 hr/yr
- 2007-2021 Lecturer, Digestive, Endocrine and Metabolism Block (2nd yr medical students): *Non-insulin therapies for diabetes* (1 hr/yr)
- 2007-2021 Lecturer, Digestive, Endocrine and Metabolism Block (2nd yr medical students): *Insulin therapy for diabetes* (1 hr/yr)
- 2008 Adult Ambulatory Care Clerkship Chronic Disease Experience Subspecialty Preceptor for 3rd yr medical students
- 2008 Lecturer, Digestive, Endocrine and Metabolism Block (2nd yr medical students): *Pathophysiology of type 2 diabetes* (1 hr)
- 2006 Lecturer, PATH 8001: Interpretive Clinical Pathology (4th year medical students). *Reproductive endocrinology laboratory testing* (2 hr).
- 2010 Poster judge for Mentored Scholarly Activity Capstone Event (4th yr medical students)
- 2012-2015, 2020-present Ward attending for Internal Medicine Service, 2-4 weeks/yr, University of Colorado Hospital
- 2016-present Consult attending for Endocrine Inpatient Consult Service, 4-6 weeks/yr, University of Colorado Hospital
- 2016 First Course Health Disparities, Longitudinal Core Curriculum for 1st year medical students: small group facilitator
- 2022-present Lecturer, TREK Plains Curriculum (1st yr medical students): *Pathophysiology of Type 2 Diabetes* (1 hr/yr)
- 2022-present Lecturer, TREK Plains Curriculum (1st yr medical students): *Treatment of Diabetes* (1.5 hr/yr)
- 2022-present Case Lecturer and Facilitator, TREK Plains Curriculum (1st yr medical students): *Diabetes Complications* (1.5 hr/yr)

Housestaff – Internal Medicine

University of Utah School of Medicine

- 1999-2000 Morning report 4 days/week, Morbidity and Mortality Conferences 2/month, 3rd and 4th year medical student EKG sessions weekly, medical service attending 7.5 weeks. Organized departmental Grand Rounds and daily housestaff and medical student noon conferences

University of Colorado School of Medicine

- 2001-2003 Endocrine lectures and problem sessions for housestaff (monthly), Department of Medicine
- 2003-2004; 2006-2009; Housestaff Noon Conference: *Glycemic Emergencies*; Also *Inpatient Hyperglycemia Management*, Department of Medicine
- 2003-2011 Ward attending for Medical Service with housestaff teams, 2-4 weeks/yr, Denver VA Medical Center
- 2013-2015 Ward attending for Medical Service with housestaff teams, 2 weeks/yr, University of Colorado Hospital
- 2003-present Consult Attending for Endocrinology Inpatient Consult Service, Department of Medicine
- 2018-2019 Housestaff Noon Conference: *Inpatient Hyperglycemia and Diabetes Management*, 1 lecture/month, Department of Medicine

2020-present Housestaff Noon Conference: *Inpatient Hyperglycemia and Diabetes Management*,
Department of Medicine

Housestaff – Family Medicine

University of Colorado School of Medicine

2009 *Diabetic neuropathy*. Housestaff Conference. Department of Family Medicine
2014-2021 *Inpatient diabetes/hyperglycemia management*, Family Medicine Housestaff Training
Program Chautauqua intern lecture series
2016-2021 *Diabetic emergencies*. Family Medicine Housestaff Training Program Chautauqua intern
lecture series

Housestaff and Fellows

University of Colorado School of Medicine

2003-2015 Consult attending for Endocrine Inpatient Consult Service, 2-4 weeks/yr, University of
Colorado Hospital and Denver VA Medical Center
2013-present Diabetes Clinical Conference, founder and organizer
2016-present Consult attending for Endocrine Inpatient Consult Service, 4-6 weeks/yr, University of
Colorado Hospital
2019-present *Large Group Lectures*. Residents and Fellows as Educators Elective, Academy of
Medical Educators (May 2019, Dec 2019, Dec 2020, May 2021, Dec 2021).

Interprofessional Education Program Students

University of Colorado Anschutz Medical Campus

2011-2013 Facilitator for Interprofessional Education Health Mentors Program – Schools of
Medicine, Nursing, Pharmacy, Physician’s Assistant, Physical Therapy, Dentistry

University of Colorado Health Nurses

2016 *Inpatient Glucose Control*, Half-day course for Obstetrics/Gynecology Registered
Nurses, University of Colorado Hospital
2019-2020 *Inpatient Hyperglycemia and Diabetes Overview*, Half-day course for Registered Nurses,
Memorial Hospital, Colorado Springs, CO. Given twice a year.
2019-present *Diabetes Overview*, 1 hr lecture in a half-day course for Registered Nurses, University of
Colorado Hospital

Clinical Fellows, Graduate and Undergraduate Students, Junior and Mid-Career Faculty

Endocrine Society Annual Meeting Career Development Workshops

2017 *Promotion and Tenure/CV Writing*. ENDO 2017, Orlando, FL
2018 *Navigating Career Transitions: Lessons Learned as a New PI*. ENDO 2018, Chicago, IL
2019 *Personal Stories: Careers in Academia*. Career Pathways. ENDO 2019, New Orleans,
LA.
2019 *Leadership Skills Lab: Conflict, Resolution, and Negotiation*. ENDO 2019, New Orleans,
LA.
2020 *Difficult Conversations: Conflict Resolution and Negotiations. The Importance of
Framing*. ENDO 2020, Virtual Meeting

2021 *Let's Talk: Science, Communication, and Social Media*. ENDO 2021. Professional Development Workshop. On-Demand, workshop number PDW05

Endocrine Society Future Leaders Advancing Research in Endocrinology (FLARE) workshops
2021 *Demystifying the Job Search and Negotiations*. Virtual.

Endocrine Society Career Development Podcast Series

2019 *Bouncing Back*. Episode 17 (ENP17). April 29, 2019.
<https://www.endocrine.org/podcast/enp17-bouncing-back>

Clinical Fellows

American Diabetes Association Focus on the Fellows

2020 *Keep Your Career Path Options Open*, Panelist. (Virtual)

Barbara Davis Center for Diabetes DIALOG: DIABETES update and DIAbetes Technology Annual Workshop for EndocrinoLOGy Fellows

2018, 2019, 2021 *Inpatient Diabetes*. Lecture.

Clinical Research Faculty, Clinical Research Associates and Staff

2015-2016 *Clinical Trial Design* lecture for Colorado Clinical Translational Science Institute Seminar Series.

KEY ADMINISTRATIVE POSITIONS

University of Colorado School of Medicine

2004-2019 Director, Education Programs, Housestaff and Medical Students, Endocrinology, Metabolism and Diabetes, Department of Medicine
2008-2018 Associate Director, Fellowship Program in Endocrinology, Metabolism, and Diabetes, Department of Medicine
2008-2018 *Director*, Endocrine Elective, Division of Endocrinology, Metabolism and Diabetes, Department of Medicine
2019-present Director, Fellowship Program in Diabetes, Department of Medicine

TEACHING SCHOLARS PROGRAM, University of Colorado Anschutz Medical Campus School of Medicine

2013-2014 Teaching Scholar. Project: *Targeting Educational Gaps in Hospital Management of Diabetes and Stress Hyperglycemia with Resident Education*. Presented at the 2015 University of Colorado Education Innovation Symposium (Feb 2015)

ACADEMY OF MEDICAL EDUCATORS, University of Colorado Anschutz Medical Campus School of Medicine

2018 Selected for membership
2021 Co-Chair, Membership Committee

Mentorship

Clinical Fellows

Fellowship in Endocrinology, Metabolism, and Diabetes, University of Colorado School of Medicine

- 2005-2007 Mentorship committee member for clinical endocrinology fellow.
Endocrinologist, Denver Endocrinology, Diabetes and Thyroid Center, Englewood, CO
- 2007-2009 Mentorship committee member for clinical endocrinology fellow.
Endocrinologist, New West Physicians, Lakewood, CO
- 2010-2012 Mentorship committee member for clinical endocrinology fellow.
Clinical Investigator, Institute for Health Research, Kaiser Permanente Colorado
Affiliate Assistant Professor of Medicine, University of Colorado School of Medicine
- 2012-2014 Mentorship committee member for clinical endocrinology fellow.
Endocrinologist, The Austin Diagnostic Clinic, Austin, TX
- 2013-2014 Co-mentor for clinical endocrinology fellow.
Endocrinologist, OhioHealth Endocrinology Physicians, Columbus, OH
- 2014-2015 Academic mentor for endocrinology faculty member.
Endocrinologist, Kaiser Permanente, Honolulu, HI
- 2018-2021 Mentorship Committee member for clinical endocrinology fellow.
University of Colorado School of Medicine
- 2019-2021 Mentorship Committee member for clinical endocrinology fellow.
University of Colorado School of Medicine

Fellowship in Pediatric Endocrinology, University of Colorado School of Medicine

- 2016-2018 Scholarly Oversight Committee member for pediatric endocrinology fellow.
Instructor, Department of Pediatrics, University of Colorado School of Medicine
- 2018-2021 Scholarly Oversight Committee member for pediatric endocrinology fellow.
University of Colorado School of Medicine
- 2022-present Scholarly Oversight Committee member for pediatric endocrinology fellow, University
of Colorado School of Medicine

Doctor of Nurse Practitioner

College of Nursing

- 2016-2018 Committee member, Doctor of Nurse Practitioner candidate dissertation.
Assistant Professor of Medicine, University of Colorado School of Medicine
- 2017-2018 Co-mentor, Doctor of Nurse Practitioner candidate dissertation.
Instructor of Medicine, University of Colorado School of Medicine

Learning Sessions completed – Academy of Medical Educators, University of Colorado SOM

- Dec 17, 2009 Teaching in the Clinical Setting
- Mar 15, 2010 Public Speaking and PowerPoint Workshop
- Apr 23, 2010 Identification & Remediation of Struggling Students Workshop
- Jul 22, 2010 Mentor/Mentee Workshop
- Aug 24, 2010 Better Bedside Teaching Workshop
- Jan 6, 2011 How to Build a Teacher's Portfolio
- April 12, 2011 Writing Test Questions
- May 17, 2011 Team-Based Learning - Designing Group Work that Really Works

Dec 4, 2012 Team-Based Learning - Getting Beyond Covering Content
Designing Clinical Cases for Teaching and Assessment
Jan 29, 2013 Leading Change
Nov 12, 2013 Conflict Styles
Dec 6, 2018 Large Group Lectures
Dec 13, 2018 Mentorship

COMMUNITY OUTREACH and CLINICAL LECTURES

2006-2016 *Type 1 Diabetes; Type 2 Diabetes; Hyperlipidemia; Management of obesity.* Clinical Endocrinology for Primary Care Physicians, Continuing Medical Education conference, Medical Education Resources, various locations in US: Oct 2006, Nov 2009, Dec 2012, Aug 2014, Jul 2016, Sep 2016

2006-2008 *Thyroid Disease in Women; Osteoporosis; Management of Obesity; Endocrine Cases.* Issues in Women's Health for Primary Care Physicians, Continuing Medical Education conference, Medical Education Resources conferences, various locations in US: Dec 2006, Apr 2007, Jul 2007, Dec 2007, Jul 2008

2008-2009 *Type 2 diabetes – update on pathophysiology and treatment; Current management of thyroid disorders; Osteoporosis: recent developments; Case presentations – Endocrinology.* Internal Medicine for Primary Care Physicians, Continuing Medical Education conference, Medical Education Resources, various locations in US and Caribbean: Mar 2008, Mar 2009, Dec 2009

2011-2012 Eastern Colorado Health Care System SCAN-ECHO: Tele-educational outreach program for care providers within the VISN 19 region. 45 minute lectures and case discussions on endocrine topics, targeted to primary care providers.
Jul 2011 *Chronic kidney disease in diabetes*
Aug 2011 *Clinical management of hypothyroidism*
Sep 2011 *Issues in Vitamin D*
May 2012 *Osteoporosis*

2016 May *Type 1 diabetes; Type 2 diabetes; Disorders of Calcium Metabolism; Metabolic Bone Disease.* Internal Medicine for Primary Care Physicians, Continuing Medical Education conference, Medical Education Resources, Grand Cayman

2016 Jun, Sep *Type 2 diabetes mellitus; Disorders of Thyroid Function; Osteoporosis; Obesity Management Update.* Internal Medicine for Primary Care Physicians, Continuing Medical Education conference, Medical Education Resources, Las Vegas, Cape Cod

2017 May *Type 2 Diabetes; Insulin Therapy for Diabetes; Management of Dyslipidemia; Obesity Management Update.* Internal Medicine for Primary Care: Endo/Geri/Psych/Rheum, Continuing Medical Education conference, Medical Education Resources, Key West, FL

2017 Jul *Type 2 Diabetes; Insulin Therapy for Diabetes; Management of Dyslipidemia; Obesity Management Update.* Internal Medicine for Primary Care: Cardio/Endo/Neuro/Pulm, Continuing Medical Education conference, Medical Education Resources, Maui, HI

2018 Sep. *Type 2 Diabetes; Insulin Therapy for Diabetes; Thyroid Disease Update; Obesity Management Update.* Internal Medicine for Primary Care: Cardio/ENT/ID/Endo, Continuing Medical Education conference, Medical Education Resources, Maui, HI

2019 Feb. *Osteoporosis, Thyroid Disorders in Women, Obesity Management, Endocrine Cases.*

Women's Health for Primary Care: Endo/Gyn/Psych, Medical Education Resources, Las Vegas, NV

2021 Jun *Should metformin remain first-line therapy for type 2 diabetes?* American Heart Association and American Diabetes Association Know Diabetes By Heart podcast.

Podcasts and Videos

- (1) **Low Wang CC**. Diabetes: Nutrition and Sugar. Extended Interview (running time: 0:38:00) by Ambrose Digital Streaming Video. <https://www.ambrosevideo.com/screening-room/163-dnx>
- (2) Bakris G, Rasouli N, **Low Wang CC**. Should metformin remain first-line therapy for type 2 diabetes? American Heart Association and American Diabetes Association Know Diabetes By Heart podcast. <https://www.knowdiabetesbyheart.org/podcast/2020-episode-3-metformin-is-it-always-first/>

Key Interviews and Media

- (1) **Low Wang CC**. UHealth Today: A stem cell trial for diabetic foot ulcers. <https://www.uhealth.org/today/a-stem-cell-trial-for-diabetic-foot-ulcers/>
- (2) **Low Wang CC**. diaTribe Learn – Making sense of diabetes: Hitting A Nerve: Introduction to Neuropathy, Last updated: 7/6/21. By Cheryl Alkon. <https://diatribe.org/hitting-nerve-introduction-neuropathy>
- (3) Reusch JEB. Featuring **Low Wang CC**. 2021 ADA General Highlights: GRADE Study, GIP/GLP-1 Receptor Agonists, Mental Health and Population Considerations in Diabetes, and More. VuMedi, 41 minutes.
- (4) **Low Wang CC**. Primary care diabetes fellowship. Healio/Endocrine Today. 2022 Dec29. <https://www.healio.com/news/endocrinology/20211229/endocrinologists-propose-diabetes-fellowship-programs-to-address-growing-gap-in-care>.
- (5) Close Concerns AACE 2022 Day #3 Highlights: DSN Year in Review.

BIBLIOGRAPHY

I have publications under the surnames Low Wang, Wang, and Low. My surname is Low Wang.

Publications in Peer-reviewed Journals

- 1) King CL, **Low CC**, and Nutman TB. IgE production in human helminth infection: Reciprocal interrelationship between IL-4 and IFN- γ . *J Immunol* 1993;150(5):1873-1880. PMID: 8094729.
- 2) **Low CC**, Grossman EB, and Gumbiner B. Potentiation of effects of weight loss by monounsaturated fatty acids in obese NIDDM patients. *Diabetes* 1996;45:569-575. PMID: 8621005.
- 3) Gumbiner B, **Low CC**, and Reaven PD. Effects of a monounsaturated fatty acid-enriched hypocaloric diet on cardiovascular risk factors in obese patients with type 2 diabetes. *Diabetes Care* 1998;21(1):9-15. PMID: 9538963.
- 4) **Wang CCL**, Gurevich I, Draznin B. Insulin affects vascular smooth muscle cell phenotype and migration via distinct signaling pathways. *Diabetes* 2003;52:2562-2569. PMID: 14514641.

- 5) Hirshman E, Merritt P, **Wang CC**, Wierman M, Budescu DV, Kohrt W, Templin JL, Bhasin S. Evidence that androgenic and estrogenic metabolites contribute to the effects of dehydroepiandrosterone on cognition in postmenopausal women. *Horm Behav* 2004;45(2):144-55. PMID: 15019802.
- 6) **Wang CC**, Goalstone M, Draznin B. Molecular mechanisms of insulin resistance that impact cardiovascular biology. *Diabetes* 2004;53:2735-2740. PMID: 15504952.
- 7) **Wang CC**, Sharma G, Draznin B. Egr-1 expression in vascular smooth muscle cells: effects of insulin and oxidative stress. *Am J Hyperten* 2006;19(4):366-372. PMID: 16580571.
- 8) **Wang CC**, Sorribas V, Sharma G, Levi M, Draznin B. Insulin attenuates vascular smooth muscle calcification but increases vascular smooth muscle cell phosphate transport. *Atherosclerosis* 2007;195:e65-e75. PMID: 17412344.
- 9) Reusch JEB, **Wang CC**. Cardiovascular disease in diabetes: Where does glucose fit in? *J Clin Endocrinol Metab* 2011;96:2367-2376. PMID: 21593112.
- 10) Pereira RI, **Wang CC**, Hosokawa P, Dickinson M, Neuman C, Karimkhani E, Erickson C, Chonchol M, Krantz M, Steiner JF, Besessen DH, Havranek EP, Long C. Circulating adiponectin levels are lower in Latino versus non-Latino white patients at risk for cardiovascular disease, independent of adiposity measures. *BMC Endocr Disord* 2011;11:13. doi:10.1186/1472-6823-11-13. PMID: 21736747.
- 11) Draznin B, **Wang C**, Adochio R, Leitner JW, Cornier M-A. Effect of dietary macronutrient composition on AMPK and SIRT1 expression and activity in human skeletal muscle. *Horm Metab Res* 2012;44(09):650-655. PMID 22674476.
- 12) Reusch JEB, **Wang CC**. Type 2 Diabetes in the Federal Health Care Setting: Optimizing Patient Outcomes in Diabetes Management. Article 2: Management of comorbidities and risk factors including hypoglycemia. *Fed Pract* 2012;29(Suppl. 1):8S-13S.
- 13) Hsia E, Seggelke S, Gibbs J, Hawkins RM, Cohlma E, Rasouli N, **Wang C**, Kam I, Draznin B. Subcutaneous Administration of Glargine to Diabetic Patients Receiving Insulin Infusion Prevents Rebound Hyperglycemia. *J Clin Endocrinol Metab* 2012;97(9):3132-3137. PMID 22685233.
- 14) Rasouli N, Seggelke S, Hawkins RM, Gibbs J, Casciano ML, Cohlma E, Taylor-Cousar J, **Wang C**, Pereira R, Hsia E, Draznin B. Cystic fibrosis-related diabetes: inpatient management of 121 patients during 410 admissions. *J Diab Sci Technol* 2012;6(5):1038-1044. PMID: 23063029.
- 15) **Wang CC**, Reusch JEB. Cardio-Diabetes: Special Considerations for Patients with Diabetes and Cardiovascular Disease. Diabetes and Cardiovascular Disease: Changing the Focus from Glycemic Control to Improving Long Term Survival. *Am J Cardiol* 2012;110(9 Suppl):58B-68B. PMID: 23062569.

- 16) **Wang CC**, Adochio R, Leitner JW, Abeyta I, Draznin B, Cornier MA. Effects of a high fat, low carbohydrate versus a low fat, high carbohydrate hypocaloric diet on skeletal muscle insulin signalling in obese individuals. *Metabolism* 2013;62(4):595-603. PMID: 23174405.
- 17) **Low Wang CC**, Xu Y, Lu L, Leitner JW, Gunter J, Sarraf M, Draznin B, Greyson CR, Reusch JEB, Schwartz GG. Arterial insulin resistance in Yucatan micropigs with diet-induced obesity and metabolic syndrome. *J Diabetes Complic* 2013;27(4):307-15.
<http://dx.doi.org/10.1016/j.jdiacomp.2013.02.009>. PMID: 23558108.
- 18) **Low Wang CC**, Draznin B. Practical Approach to Management of Inpatient Hyperglycemia Management in Selected Populations. *Hosp Pract (1995)*. 2013;41(2):45-53. doi: 10.3810/hp.2013.04.1025. PMID: 23680736.
- 19) **Wang CCL**, Draznin B. Insulin use in hospitalized patients with diabetes: Navigate with care. *Diabetes Spect* 2013; 26(2):124-130. <http://dx.doi.org/10.2337/diaspect.26.2.124>
- 20) Draznin B, Gilden J, Golden SH, and Inzucchi SE for the PRIDE investigators: Baldwin D, Bode BW, Boord JB, Braithwaite SS, Cagliero E, Draznin B, Dungan KM, Falciglia M, Figaro MK, Gilden J, Golden SH, Hirsch IB, Klonoff D, Korytkowski MT, Kosiborod M, Lien LF, Magee MF, Masharani U, Maynard G, McDonnell ME, Moghissi ES, Rasouli N, Rubin DJ, Rushakoff RJ, Sadhu AR, Schwartz S, Seley JJ, Umpierrez GE, Vigersky RA, **Low CC**, Wexler DJ. Pathways to Quality Inpatient Management of Hyperglycemia and Diabetes: A Call to Action. *Diabetes Care* 2013;36:1807-1814. PMID: 23801791.
- 21) Seggelke SA, Hawkins RM, Gibbs J, Rasouli N, **Wang CC**, Draznin B. Effect of glargine insulin delivery method (pen device versus vial/syringe) on glycemic control and patient preferences in patients with type 1 and type 2 diabetes. *Endocr Pract* 2014;20(6):536-9. doi: 10.4158/EP13404.OR. PMID: 24326004.
- 22) Seggelke SA, Hawkins RM, Gibbs J, Rasouli N, **Wang C**, Draznin B. Transitional Care Clinic for Uninsured and Medicaid covered Patients with Diabetes Discharged from the Hospital May Reduce Re-admissions: A Pilot Quality Improvement Study. *Hosp Pract (1995)* 2014;42(1):46-51. doi: 10.3810/hp.2014.02.1091. PMID: 24566596.
- 23) Draznin B, Wang Y, Seggelke S, Hawkins RM, Gibbs J, Bridenstine M, Rasouli N, **Wang CL**. Glycemic control and outcomes of hospitalization in noncritically ill patients with type 2 diabetes admitted with cardiac problems or infections. *Endocr Pract* 2014 Dec;20(12):1303-8. doi: 10.4158/EP14174.OR. PMID: 25100383.
- 24) **Low Wang CC**, Galinkin JL, Hiatt WR. Toxicity of a novel therapeutic agent targeting mitochondrial complex I. *Clin Pharmacol Ther* 2015;98(5):551-559. doi: 10.1002/cpt.178. PMID: 26108785.

- 25) Pereira RI, **Low Wang CC**, Wolfe P, Havranek EP, Long CS, Bessesen DH. Associations of adiponectin with adiposity, insulin sensitivity, and diet in young, healthy, Mexican Americans and non-Latino white adults. *Int J Envir Res Public Health* 2015;13(1):ijerph13010054. doi: 10.3390/ijerph13010054. PMID: 2670368.
- 26) Jensen T, **Low Wang CC**. Double trouble: A case of primary hyperparathyroidism and humoral hypercalcemia of malignancy secondary to epithelioid angiosarcoma occurring in a single patient. *AACE Clinical Case Reports* 2016, Vol. 2, No. 2, pp. e146-e150. doi: <http://dx.doi.org/10.4158/EP15768.CR>.
- 27) **Low Wang CC**, Hess CN, Hiatt WR, Goldfine AB. Clinical Update: Cardiovascular Disease in Diabetes Mellitus: Atherosclerotic Cardiovascular Disease and Heart Failure in Type 2 Diabetes Mellitus - Mechanisms, Management, and Clinical Considerations. *Circulation* 2016;133(24):2459-2502. doi: 10.1161/CIRCULATIONAHA.116.022194. PMID: 27297342.
- 28) Wallia A, Umpierrez GE, Nasraway SA, Klonoff DC; PRIDE Investigators. Round Table Discussion on Inpatient Use of Continuous Glucose Monitoring at the International Hospital Diabetes Meeting. *J Diabetes Sci Technol* 2016;10(5):1174-1181. doi: 10.1177/1932296816656380. PMID: 27286715.
- 29) Wang YJ, Seggelke S, Hawkins RM, Gibbs J, Lindsay M, Hazlett I, **Low Wang CC**, Rasouli N, Young KA, Draznin B. Impact of Glucose Management Team on Outcomes of Hospitalization in Patients with Type 2 Diabetes Admitted to the Medical Service. *Endocr Pract* 2016;22(12):1401-1405. PMID: 27540884.
- 30) Seggelke SA, Lindsay MC, Hazlett I, Sanagorski R, Eckel RH, **Low Wang CC**. Cardiovascular safety of antidiabetic drugs in the hospital setting. *Curr Diab Rep* 2017; 17:64. PMID: 28699089.
- 31) Hess CN, **Low Wang CC**, Hiatt WR. PCSK9-inhibitors: Mechanisms of action, metabolic effects, and clinical outcomes. *Ann Rev Med* 2018;69:133-145. PMID: 29095667.
- 32) Rogers RK, Hiatt WR, Patel MR, Shishehbor MH, White R, Khan ND, Bhalla NP, Jones WS, **Low Wang CC**. Ticagrelor in Peripheral Artery Disease Endovascular Revascularization: Challenges in Clinical Trial Execution. *Vascular Med* 2018;23(6):513-522. PMID: 29629845.
- 33) **Low Wang CC**, Blomster JI, Heizer G, Berger JS, Baumgartner I, Fowkes FGR, Held P, Katona BG, Norgren L, Jones WS, Lopes RD, Olin JW, Rockhold FW, Mahaffey KW, Patel MR, and Hiatt WR, on behalf of the EUCLID Trial Executive Committee and Investigators. Cardiovascular and Limb Outcomes in Patients with Diabetes and Peripheral Artery Disease: the EUCLID Trial. *J Am Coll Cardiol* 2018;72(25):3274-3284. PMID: 30573030.
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