

Cecilia C. LOW WANG, MD, FACP

University of Colorado School of Medicine
Anschutz Medical Campus
Department of Medicine
Division of Endocrinology, Metabolism, Diabetes
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Former Names: Cecilia C. L. Wang, Cecilia C. Low

Current positions:

Associate Professor of Medicine, University of Colorado
Director, Glucose Management Team, University of Colorado Hospital
Director, Housestaff/Student Education, Division of Endocrinology, Metabolism and Diabetes
Lead Clinician-Scientist, CPC Clinical Research
Committee Member, Voting, FDA Endocrinologic and Metabolic Drugs Advisory Committee

PERSONAL DATA

Place of Birth: Texas

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 Fellow, Division of Endocrinology, Metabolism & Diabetes, Department of Medicine,
University of Colorado Health Sciences Center, Denver, CO

PROFESSIONAL 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-present 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
- 2007-2013 Study Physician, Look AHEAD study (NIH/NHLBI) of lifestyle intervention and cardiovascular disease in diabetes, Colorado site
- 2007-present Associate Director of Fellowship/Education Programs, Division of Endocrinology, Metabolism and Diabetes, Department of Medicine, University of Colorado School of Medicine, Aurora, CO
- 2012-present Associate Professor of Medicine, Division of Endocrinology, Metabolism & Diabetes, Department of Medicine, University of Colorado School of Medicine, Aurora, CO
- 2013-2018 Medical Safety Officer and Safety Lead, CPC Clinical Research, Aurora, CO
- 2014-present Director, Glucose Management Team, University of Colorado Hospital, Aurora, CO
- 2018-present Lead Clinician-Scientist, CPC Clinical Research, Aurora, CO

CLINICAL 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

RESEARCH/CLINICAL TRIAL ROLES

- 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

- 2001-2003 Endocrinology Fellow, Insulin resistance, Division of Endocrinology, Metabolism and Diabetes, University of Colorado Health Sciences Center, Denver, CO
- 2002-2004 Associate Investigator, Insulin resistance, Research Section, Veteran Affairs Medical Center, Denver, CO
- 2004-2012 Investigator, Vascular smooth muscle cell biology, Research Section, Veterans Affairs Medical Center, Denver, CO
- 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)
- 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 Mirasol-treated apheresis platelets in patients with hypoproliferative thrombocytopenia
- 2016-present Clinical trial physician for 24 hr 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-present International Clinical End Point 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
- 2018-present Clinical Lead for a Phase 1 trial of stem cell therapy for chronic diabetic foot ulcers

PROFESSIONAL TRAINING

- 2014-2015 Medical Safety Officer training, CPC Clinical Research
- 2018 Introductory Training Program in Quality Improvement, Institute for Healthcare Quality, Safety and Efficiency (IHQSE), University of Colorado Anschutz Medical Campus

RESEARCH FUNDING

- 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.
- Jul 2002-Sep 2004 **Principal Investigator**
Mechanism of the Mitogenic Influence of Hyperinsulinemia

- Jul 2004-Jun 2006 Associate Investigator Program, Medical Research Service, Veterans Health Administration, Department of Veterans Affairs, Washington, D.C.
Principal Investigator
- Oct 2004-Sep 2007 Diabetes Trust Foundation Clinical Scholars in Diabetes Fellowship.
Principal Investigator
Insulin Resistance and Vascular Disease
- Oct 2007-Sep 2010 Research Career Development Award, Department of Veterans Affairs Office of Research and Development, Medical Research Service, Washington, D.C.
Principal Investigator
Regulation of Egr-1 in Insulin Resistance
- May 2010-Dec 2011 Career Development Award-2, Department of Veterans Affairs Office of Research and Development, Medical Research Service, Washington, D.C.
Co-Investigator
Adiponectin as an independent determinant of ethnic differences in insulin resistance
- Oct 2010-Sep 2012 Clinical Translational Research Center study support, CTRC 6149UCH
National Institutes of Health National Center for Research Resources 1UL1 RR025780
Principal Investigator
Regulation of Egr-1 in Insulin Resistance
- Sep 2015-2018 Extension, Career Development Award-2, Department of Veterans Affairs Office of Research and Development, Medical Research Service, Washington, D.C.
Sub-Investigator
Vitamin D and Type 2 Diabetes Study (D2d)
ClinicalTrials.gov Identifier: NCT01942694
- Feb 2018-present **Clinical Lead**
Mesenchymal Stem Cells to Close Chronic Diabetic Wounds

CERTIFICATION

State of Colorado Department of Regulatory Agencies Division of Registrations Board of Medical Examiners License for Practice of Medicine: current

U.S. Drug Enforcement Administration Controlled Substance Registration Certificate: current

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

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 & 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
- 2018 *Member*, Academy of Medical Educators, Anschutz Medical Campus, Aurora, CO

PROFESSIONAL AFFILIATIONS - active

American College of Physicians (1996)
Endocrine Society (2001)

American Diabetes Association (2002)
American Association of Clinical Endocrinologists
(2004)

COMMITTEES & PROFESSIONAL SERVICE

National

2003-2004 Basic Research Subcommittee, Research Affairs Committee, *Endocrine Society*
2003-2004
2003-2007 Trainee Development Committee (formerly "Associates Council"), *Endocrine Society*
2004-2007 Clinical Research Subcommittee, Research Affairs Committee, *Endocrine Society*
2005 Co-moderator for Clinical Investigator's Workshop for Trainees, *Endocrine Society*
2007-2010 Scientific and Educational Programs Core Committee, *Endocrine Society*
2010-2013 Research Affairs Core Committee, Clinical Research Subcommittee, *Endocrine Society*
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 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.
2014-present Trainee & Career Development Core Committee, *Endocrine Society*
2015 Co-chair, 2015 Oral Presentations in Reproductive Science Competition, Endocrine Society Annual Meeting 2015
2016-present Endocrinologic and Metabolic Drugs Advisory Committee, *Food and Drug Administration*, Washington, D.C.
2016-2017 Strategic Plan 4 Task Force, Endocrine Society
2017 Chair, Symposium: *Can We Improve Cardiovascular Risk in Type 2 Diabetes?* Endocrine Society Annual Meeting 2017

Regional

1999-2000 Associates Committee, *American College of Physicians Utah Chapter*
2008 Session Chair, Western Tri-Societies Meeting, *American Federation Medical Research*
2009-present Planning Committee, Clinical Endocrinology and Diabetes Annual Conference, *Colorado Diabetes and Endocrine Institute*

Institutional

2008-2010 Institutional Animal Care and Use Committee, *Denver VA Medical Center*, Denver, CO
2006-2007; 2010-2014 Colorado Multiple Institutional Review Board, *University of Colorado Health Sciences Center*. VA representative for Panel B and Panel A meetings
2007-2013 Study MD for Look AHEAD trial of intensive lifestyle intervention in type 2 diabetes, *Denver, CO site*

Hospital

2015 UCH Access Working Group, *University of Colorado Hospital, Aurora, CO*
2015-present Diabetes Advancement Committee, *University of Colorado Hospital, Aurora, CO*
2016-2017 Diabetes Outpatient Workgroup, *University Physicians Incorporated, Aurora, CO*

University of Colorado School of Medicine

2004-2006 Metabolism Block Subcommittee for development of 2nd year curriculum
2004-2009; Intern Applicant Interviewer, Department of Medicine
2010-2016
2004-2016 Student Education Committee, Department of Medicine
2008-2011 Organized weekly Grand Rounds for Division of Endocrinology, Diabetes and Metabolism
2012-2013 Advanced Studies (Phase IV) Committee
2012-2013 Morbidity and Mortality Committee, Department of Medicine
2015-present Physician Scientist Training Program Selection Committee, Department of Internal Medicine

University of Utah School of Medicine

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

REVIEWER EXPERIENCE:

Reviewer for Grants (National)

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

Journals (Ad Hoc)

American Journal of Hypertension
Arteriosclerosis, Thrombosis, and Vascular Biology
Cardiovascular Diabetology
Circulation
Diabetes
Diabetes Care
Diabetes Spectrum
Diabetologia
Endocrine
Endocrine Practice
European Journal of Endocrinology
Hospital Practice

Journal of the American Heart Association
Lancet Diabetes and Endocrinology
PLOS One

Reviewer for Awards/Funding

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

Reviewer for Abstracts

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

LECTURES

- 2003 *Insulin and vascular smooth muscle cell phenotype*. Research seminar, cardiac and vascular biology group, University of Utah Health Sciences Center
Thyroid emergencies. Housestaff noon conference, University of Utah Health Sciences Center, Salt Lake City, UT.
- 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 *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 *Insulin effects in vascular smooth muscle cells*. Endocrine and Hormonal Malignancies Research Conference, University of Colorado School of Medicine, Aurora, 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*.
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 *Lipids in women* (talk and panel discussion). 6th Annual Colorado Women's Cardiovascular Health Symposium. Center for Women's Health Research, 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 *Diabetic neuropathy*. University of Colorado School of Medicine General Internal Medicine Garfield Clinic Conference, Denver, CO
- 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
- 2011 *Vitamin D and Cardiovascular Disease*. Presbyterian-St. Luke's Hospital Internal Medicine Grand Rounds, Denver, 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, Denver, CO
- 2011 *Vitamin D and Cardiovascular Health: Association or Causation?* University of Colorado School of Medicine Division of Endocrinology Grand Rounds, Aurora, 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.
- 2014 *Inpatient Hyperglycemia in Select Populations*. Clinical Diabetes and Endocrinology in 2014 Conference, Snowmass, CO
- 2014 *From Aspirin to Insulin*: American Diabetes Association EXPO 2014, Denver, CO
- 2014 *Anti-hyperglycemic therapy in the patient on enteral nutrition*. Italian Society of Diabetology National Meeting, Bologna, Italy
- 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
- 2015 *Diabetic Ketoacidosis: Innovative Strategies for a Challenging Condition*. University of Colorado School of Medicine Division of Endocrinology Grand Rounds, Aurora, CO

- 2016 *Management of Hyperglycemia in the Inpatient Setting*. Endocrine Society Annual Meeting Meet the Professor Sessions, Boston, MA
- 2016 *Insulin Therapy for Type 2 Diabetes: When and How*. Rocky Mountain Metabolic Syndrome Symposium 2016, Aurora, CO
- 2017 *New Insulin Therapies – Practice Changing?* Clinical Diabetes and Endocrinology 2017 – Snowmass, CO.
- 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 Moderator, panel discussion of cases: *Complications and Comorbidities: Challenging Diabetes 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.
- 2018 *Inpatient Diabetes Management*. Diabetes Update for Endocrinology Fellows: Diabetes Dialog. Barbara Davis Center for Diabetes and University of Colorado Anschutz Medical Campus, Aurora, CO.

TEACHING/MEDICAL EDUCATION

- 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 noon conferences. Department of Medicine, University of Utah School of Medicine, Salt Lake City, UT
- 2001-2003 Endocrine lectures and problem sessions for housestaff (monthly), Department of Medicine, University of Colorado School of Medicine, Denver, CO
- 2002-2006 Endocrine Pathophysiology small group discussions for 2nd-year medical students, School of Medicine, University of Colorado School of Medicine Denver, CO
- 2003-2004; 2006-2009; Housestaff Noon Conference: *Glycemic Emergencies*; Also *Inpatient Management of Hyperglycemia* (2006), Department of Medicine, University of Colorado School of Medicine, Denver, CO
- 2003-2011 Ward attending for Medical Service with housestaff teams, 2-4 weeks/yr, Denver VA Medical Center, Denver, CO
- 2003-2015 Consult attending for Endocrine Inpatient Consult Service, 2-4 weeks/yr, University of Colorado Hospital, Aurora, CO, and Denver VA Medical Center, Denver, CO
- 2004-2007 Foundations of Doctoring – abdominal, head and neck, and pulmonary exams small group sessions, cardiovascular risk assessment, and Transition to Third Year oral

- presentations for 2nd-year medical students, University of Colorado School of Medicine, Denver, CO
- 2006 RPSC 7801: Endocrinology and Metabolism. *Thyroid function and disease* (1 hr). University of Colorado Health Sciences Center Graduate School, Denver, CO
- 2006 PATH 8001: Interpretive Clinical Pathology. *Reproductive endocrinology laboratory testing* (2 hr). University of Colorado School of Medicine, Denver, CO
- 2006 Gastrointestinal, Endocrine and Metabolism Block for 2nd yr medical students: *Non-insulin glucose-lowering therapies for diabetes* (1 hr), University of Colorado School of Medicine, Denver, CO
- 2006-present Digestive, Endocrine and Metabolism Block for 2nd yr medical students: small group discussions (4-8 hr), University of Colorado School of Medicine, Aurora, CO
- 2007-2010 Life Cycle Block for 2nd yr medical students: male and female reproductive small group discussions (2-4 hr), University of Colorado School of Medicine, Aurora, CO
- 2007-present Digestive, Endocrine and Metabolism Block for 2nd yr medical students: *Non-insulin therapies for diabetes* (1 hr), University of Colorado School of Medicine, Aurora, CO
- 2007-present Digestive, Endocrine and Metabolism Block for 2nd yr medical students: *Insulin therapy for diabetes* (1 hr), University of Colorado School of Medicine, Aurora, CO
- 2008 Adult Ambulatory Care Clerkship Chronic Disease Experience Subspecialty Preceptor for 3rd yr medical students, University of Colorado School of Medicine, Aurora, CO
- 2008 Digestive, Endocrine and Metabolism Block for 2nd yr medical students: *Pathophysiology of type 2 diabetes* (1 hr), University of Colorado School of Medicine, Aurora, CO
- 2009 Reproductive Sciences Graduate Program: *“Insulin resistance and diabetes mellitus: Clinical correlates”* (1 hr), University of Colorado School of Medicine, Aurora, CO
- 2009 *Diabetic neuropathy*. Housestaff Conference. University of Colorado School of Medicine Department of Family Medicine, Denver, CO
- 2009 *Diabetic neuropathy – the forgotten complication*. University of Colorado School of Medicine General Internal Medicine Practice Clinical Conference, Aurora, CO
- 2009 *Diabetic neuropathy*. University of Colorado School of Medicine General Internal Medicine Garfield Clinic Conference, Denver, CO
- 2010 Poster judge for Mentored Scholarly Activity Capstone Event (4th yr medical students), University of Colorado School of Medicine, Aurora, CO
- 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 at Dine College, Tsaile, AZ. University of Colorado School of Medicine NIH
- 2011-2013 Facilitator for Interprofessional Education Health Mentors Program – Schools of Medicine, Nursing, Pharmacy, Physician’s Assistant, Physical Therapy, Dentistry
- 2013-2015 Ward attending for Medical Service with housestaff teams, 2 weeks/yr, University of Colorado Hospital, Aurora, Denver, CO
- 2013-present Diabetes Clinical Conference, founder and organizer, University of Colorado School of

- Medicine
- 2014-present *Inpatient diabetes management*, University of Colorado AMC/SOM Family Medicine Housestaff Training Program Chautauqua intern lecture series, Aurora, CO
- 2014 *What you need to know about diabetes in 2014*. Colorado Heart Healthy Solutions New Community Health Worker Workshop, Aurora, CO
- 2015-2016 *Clinical Trial Design* lecture for Colorado Clinical Translational Science Institute Seminar Series.
- 2016 *How to Choose a Good Mentor and Be a Good Mentee*. Summer Research Fellowship Webinar series, Endocrine Society
- 2016-present *Diabetic emergencies*. University of Colorado AMC/SOM Family Medicine Housestaff Training Program Chautauqua intern lecture series, Aurora, CO
- 2016-present Consult attending for Endocrine Inpatient Consult Service, 4-6 weeks/yr, University of Colorado Hospital, Aurora, CO
- 2017 *Promotion and Tenure/CV Writing*. Career Development Workshop, ENDO 2017, Endocrine Society Annual Meeting, Orlando, FL
- 2017 *Mentorship: How to Choose a Good Mentor and Be a Good Mentee*. Summer Research Fellowship Webinar series, Endocrine Society
- 2018 *Navigating Career Transitions: Lessons Learned as a New PI*. Career Development Workshop, ENDO 2018, Endocrine Society Annual Meeting, Chicago, IL
- 2018 *Mentorship: How to Choose a Good Mentor and Be a Good Mentee*. Summer Research Fellowship Webinar series, Endocrine Society
- 2018 *Diabetic Ketoacidosis and Hyperosmolar Hyperglycemic Syndrome*. Lecture to Medical Intensive Care Unit Advanced Practice Providers, University of Colorado Hospital, Aurora, CO.
- 2018 *Pancreatogenic (Type 3c) Diabetes*. University of Colorado Hospital Endocrinology and Diabetes Practice Lunch 'n Learn lecture.

Teaching Scholars Program, Academy of Medical Educators (AME), 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)

Clinical Leadership Development Program, Academy of Medical Educators (AME) and Institute for Healthcare Quality, Safety and Efficiency (IHQSE), University of Colorado Anschutz Medical Campus

- 2014 First cohort

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*. Presented April 7, 2017

MENTORSHIP

- 2005-2007 Mentorship committee member for Clinical fellow, University of Colorado School of Medicine Dept. of Medicine Division of Endocrinology, Metabolism and Diabetes
- 2007-2009 Mentorship committee member for Clinical fellow, University of Colorado School of Medicine, Dept. of Medicine, Division of Endocrinology, Metabolism and Diabetes
- 2010 Aug 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 at Dine College, Tsaile, AZ
- 2010-2012 Mentorship committee member for Clinical fellow, University of Colorado School of Medicine Dept of Medicine Division of Endocrinology, Metabolism and Diabetes
- 2012-2014 Mentorship committee member for Clinical fellow, University of Colorado School of Medicine Dept of Medicine Division of Endocrinology, Metabolism and Diabetes
- 2013-2014 Co-mentor for Clinical fellow, University of Colorado School of Medicine Dept of Medicine Division of Endocrinology, Metabolism and Diabetes
- 2014-present Academic mentor for Senior Instructor of Medicine, University of Colorado School of Medicine
- 2014-present Academic mentor for Instructor of Medicine, University of Colorado School of Medicine
- 2014-2015 Academic mentor for Instructor of Medicine, University of Colorado School of Medicine
- 2014-present Academic mentor for Instructor of Medicine, University of Colorado School of Medicine
- 2016-2018 Scholarly Oversight Committee member for Pediatric Endocrinology Fellow, University of Colorado School of Medicine
- 2016-2017 Academic mentor for Instructor of Medicine, University of Colorado School of Medicine
- 2016-2018 Committee member, Doctor of Nurse Practitioner dissertation, Senior Instructor of Medicine, University of Colorado School of Medicine
- 2017-2018 Co-mentor, Doctor of Nurse Practitioner dissertation, Instructor of Medicine, University of Colorado School of Medicine
- 2018-present Scholarly Oversight Committee member for Pediatric Endocrinology Fellow, University of Colorado School of Medicine
- 2018-present Mentorship Committee member for Clinical Endocrinology Fellow, University of Colorado School of Medicine

COMMUNITY OUTREACH and CLINICAL LECTURES

- 2003 American Diabetes Association Camp Colorado
- 2003 Jun *Menopause workshop* for Christian Women's Life Changes Seminar, New Jerusalem Missionary Baptist Church, Fountain, CO
- 2005-2009 *Setting Goals; Making Sense of Your Cholesterol; The Slippery Slope of Lipid Profiles; Lipids: Issues in Diabetes.* Diabetes Fall and Spring Conferences, Eastern Colorado Health Care System Denver VA, Denver, CO
- 2006 Feb *Workup for thyrotoxicosis.* Salud Family Clinic, Longmont, CO
- 2006-2007 American Diabetes Association Denver Diabetes Expo "Ask the Experts" Booth

- 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 Oct *Treatment Paradigms for Diabetes.* Fall 2006 Primary Care Conference of the Community Health Association of Mountain/Plains States and Northwest Regional Primary Care Association, Denver, CO
- 2006-present *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-present *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
- 2007 Sep *New horizons in diabetes treatment.* American Academy of Nurse Practitioners Wyoming Fall Conference, Cheyenne, WY
- 2007 Oct *Nephropathy and End-stage Renal Disease in Diabetes – Management Issues; Making Sense of Insulin Therapy for Type 2 Diabetes.* Grand Junction VA Medical Center educational sessions, Grand Junction, CO
- 2008 Feb *Lipids in women.* Lecture and panel discussion. 6th Annual Women's Cardiovascular Health Symposium, Denver, CO
- 2008 Mar *Managing hyperglycemia to reduce microvascular complications in type 2 diabetes.* Look AHEAD trial retention event lecture and panel discussion, Denver, CO
- 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
- 2008-2010 American Diabetes Association Regional Speaker's Bureau
- 2008 Oct *Diabetic Neuropathy.* University of Colorado School of Medicine Endocrine Practice Monthly Diabetes Conference, Aurora, CO
- 2011 Oct *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 Mar American Diabetes Association Diabetes EXPO Health Ambassador booth
- 2012 Aug *Diabetes – It's not just about the sugar!* Rocky Mountain Chinese Society of Science and Engineering Annual Conference, Denver, CO
- 2012 Oct *Update – What's Hot in Diabetes* (talk). Look AHEAD trial retention event, Denver, CO
- 2013 Feb American Diabetes Association Diabetes EXPO: Ask the experts booth
- 2013 Mar *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 Sep *Eye Health and Retinopathy.* Look AHEAD trial retention event, Denver, CO
- 2013 Oct *Vitamin D Supplementation for Women – Making Sense of the Data.* Colorado Obstetrics

- and Gynecology Society annual meeting, Denver, CO
- 2014 Jan *Diabetes and Cardiovascular Risk*. 30th Annual Winter CME Meeting, Colorado Academy of Physicians Assistants, Copper Mountain, CO.
- 2014 Jan *Inpatient Hyperglycemia in Select Populations*. Clinical Diabetes and Endocrinology in 2014 Conference, Snowmass, CO
- 2014 Feb *From Aspirin to Insulin*. American Diabetes Association Expo, Denver, CO
- 2014 Sep *What you need to know about diabetes in 2014*. Colorado Heart Healthy Solutions New Community Health Worker Workshop, Aurora, CO
- 2015 *Advanced Insulin Management and Delivery*. American Diabetes Association 3rd Annual Advanced Diabetes Practice for Primary Care conference, Denver, CO
- 2016 *Insulin Therapy for Type 2 Diabetes – When and How*. Rocky Mountain Metabolic Syndrome Symposium 2016, Aurora, CO
- 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
- 2016 Jun *Type 2 diabetes mellitus; Disorders of Thyroid Function; Osteoporosis; Obesity*
- 2016 Sep *Management Update*. Internal Medicine for Primary Care Physicians, Continuing Medical Education conference, Medical Education Resources
- 2017 Jan *New Insulins – Practice-Changing?* Clinical Diabetes and Endocrinology 2017 conference Panel discussion moderator: *Mixed-up Metabolism – Lipid and Obesity Cases*. Clinical Diabetes and Endocrinology 2017 conference, Snowmass, CO
- 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
- 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
- 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
- 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*

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2. **Low Wang CC** and Shah A (co-editors). Medical Management of Type 1 Diabetes, 7th edition. American Diabetes Association, Inc. Alexandria, VA. **2017**.

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