

University of California, San Francisco
CURRICULUM VITAE

Name: Theodore W Kurtz, MD

Position: Professor In Residence, Step A/S
Laboratory Medicine
School of Medicine

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EDUCATION

1971 - 1975	University of Michigan	B.S.	Zoology
1975 - 1979	University of Michigan	M.D.	Medicine
1980 - 1982	Univ. of California, San Francisco	Resident	Laboratory Medicine
1982 - 1983	Univ. of California, San Francisco	Chief Resident	Laboratory Medicine

LICENSES, CERTIFICATION

1981	Medical licensure, California # G46628
1984	Certified, American Board of Pathology, Clinical Pathology

PRINCIPAL POSITIONS HELD

1983 - 1984	Univ. of California, San Francisco	Asst. Clinical Professor	Laboratory Medicine
1984 - 1987	Univ. of California, San Francisco	Asst. Professor in Residence	Laboratory Medicine
1987 - 1992	Univ. of California, San Francisco	Assoc. Professor in Residence	Laboratory Medicine
1992 - present	Univ. of California, San Francisco	Professor in Residence	Laboratory Medicine

OTHER POSITIONS HELD CONCURRENTLY

1985 - 1987	Univ. of California, San Francisco	Assistant Director	General Clinical Research Center
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1987 - present	UCSF Medical Center	Director	Clinical Chemistry Laboratories
1997 - 2021	Univ. of California, San Francisco	Vice-Chair	Laboratory Medicine
1998 - 2021	Univ. of California, San Francisco	Affiliate Faculty	Institute for Human Genetics
1999 - present	Univ. of California, San Francisco	Member	Cardiovascular Research Institute
2000 - 2002	American Society of Hypertension	President	

HONORS AND AWARDS

1975	James B. Angell Scholar	University of Michigan
1976	Outstanding Research Fellow	Michigan Heart Association
1979	Dean's Award for Research Excellence	University of Michigan
1993	Clinical Investigator Award	National Heart, Lung, and Blood Institute, NIH
1994	SmithKline Beecham Young Investigator Award	International Society of Hypertension
2000	President	American Society of Hypertension
2006	Novartis Award for Hypertension Research	American Heart Association, Council for High Blood Pressure Research
2010	International Okamoto Research Award	Japan Vascular Disease Research Foundation
2013	Outstanding Contributions to Clinical Chemistry in Education	Northern California Section, American Association of Clinical Chemistry

KEYWORDS/AREAS OF INTEREST

Molecular genetics, complex diseases, hypertension, salt sensitivity, metabolic syndrome, diabetes, cardiovascular disease, transgenic strains, congenic strains, conplastic strains, clinical chemistry, electrolyte metabolism

CLINICAL ACTIVITIES

CLINICAL SERVICES

1987 - present Medical Director and Clinical Attending, Clinical Chemistry Full time section of the UCSF Clinical Laboratories at Parnassus and China Basin

2014 - 2021	Member, Clinical Laboratory Compliance Committee covering UCSF Moffitt-Long, Mission Bay, and Mt Zion Medical Centers	Biannually
2014 - present	Member, Quality Improvement Committee, UCSF China Basin Clinical Laboratories	Quarterly
2014 - present	Member, Quality Improvement Committee, UCSF Parnassus Clinical Laboratory	Quarterly
2022 - present	Chair, Site-wide Chemistry Laboratory Committee, UCSF Clinical Laboratories	Bimonthly

PROFESSIONAL ACTIVITIES

MEMBERSHIPS

1985 - present	American Society of Hypertension/American Heart Association Hypertension Council
1990 - present	International Society of Hypertension

SERVICE TO PROFESSIONAL ORGANIZATIONS

1996 - 2004	American Society of Hypertension	Member, Executive Council
1998 - 2000	American Society of Hypertension	President-Elect
1998 - 2005	American Society of Hypertension	Member, Scientific Program Committee
1998 - 2007	International Society of Hypertension	Member, Scientific Program Committee
1998 - 2001	American Heart Association, Western States Affiliate	Member, Research Committee
1998 - 2010	American Heart Association Council on Hypertension	Member, Abstract Grading Panel
2000 - 2002	American Society of Hypertension	President
2000 - 2004	American Society of Hypertension	Member, Finance Committee
2000 - 2001	International Society for Cardiovascular Endocrinology and Metabolism, Cairns, Australia	Member, Executive Board of Satellite Program Organizing Committee
2001 - 2003	American Heart Association Council on Hypertension	Member, Executive Committee

2001 - 2002	International Symposium on Obesity and Hypertension, Berlin	Member, Program Committee
2001 - 2002	International Symposium on SHR and Molecular Medicine, Berlin	Member, International Advisory Board
2001 - 2002	International Society of Hypertension Satellite Symposium on Genetics of Human and Experimental Hypertension	Member, Program Committee
2001 - 2003	American Society of Hypertension	Chair, Corporate Affairs Committee
2001 - 2003	American Society of Hypertension	Chair, Strategic Planning Committee
2002 - 2003	International Symposium on Atherosclerosis, Kyoto, Japan	Member, Organizing Committee
2003 - 2006	American Society of Hypertension	Chair, Chapter Relations Committee
2003 - 2004	American Society of Hypertension	Chair, Nominating Committee
2004 - 2006	American Society of Hypertension	Member, Nominating Committee
2004 - 2006	American Society of Hypertension	Member, Abstract Selection Committee
2005 - 2006	American Heart Association	Chair, Writing Group Committee on BP Measurements in Animal Models
2005 - 2006	American Heart Association	Member, Writing Group Committee on BP Measurements in Humans
2005 - 2006	American Society of Hypertension	Member, Finance Committee
2005 - 2006	International Society of Hypertension	Chair, Satellite Symposium on the Metabolic Syndrome
2006 - 2010	AHA Council for High Blood Pressure Research	Member, Novartis Awards Committee

2006 - 2007	International Symposium on the Metabolic Syndrome, Osaka, Japan	Chair, Organizing Committee
2014 - 2014	International Symposium on the Metabolic Syndrome, Osaka, Japan	Chair, Organizing Committee
2014 - 2014	International Society of Hypertension	Member, Abstract Grading Committee
2008 - 2016	International Symposium on the Metabolic Syndrome, Osaka, Japan	Member, Organizing Committee
2009 - 2016	American Society of Hypertension	Member, Abstract Grading Committee
2015 - 2017	Genetics/SHR Satellite Meeting of the International Society of Hypertension	Chair, Organizing Committee
2017 - 2018	American Heart Association	Member, Scientific Statement Writing Group Committee: Animal Models of Hypertension
2014 - 2023	International Meeting on the SHR: Etiology of Genetic Hypertension	Co-Chair, Organizing Committee
2011 - present	American Heart Association Council on Hypertension	Member, Abstract Grading Committee
2018 - present	American Heart Association Council on Hypertension	Member, Awards Selection Committee
2018 - present	Japan Research Foundation for Healthy Aging	Member, Awards Selection Committee

SERVICE TO PROFESSIONAL PUBLICATIONS

1991 - present	Ad hoc referee for Nature, Science, Journal of Clinical Investigation; Am Journal of Physiology; Circulation, Circulation Research; American Journal of Hypertension; Cardiovascular Drugs and Therapy; Nature Genetics; Hypertension; Journal of Hypertension; Journal of Cardiovascular Pharmacology; Arteriosclerosis, Thrombosis, and Vascular Biology, Diabetes, New England Journal of Medicine, Hypertension Research, Clinical and Experimental Hypertension, Epigenetics, Trends in Cardiovascular Medicine, Scientific Reports, PLOS One, FEBS Letters, PNAS, Kidney International, Journal of the American Society of Nephrology
2003 - 2004	Secretary, American Journal of Hypertension
2000 - 2007	Editorial Board, American Journal of Hypertension

- 2005 - 2008 Editorial Board, Journal of Hypertension
- 2011 - 2012 Guest Editor, Experimental Diabetes Research
- 2014 - 2015 Member, Search Committee for Editor-in-Chief of the American Journal of Hypertension
- 1999 - 2016 Editorial Board, Physiological Genomics
- 1991 - present Editorial Board, Hypertension
- 2009 - present Associate Editor, Hypertension Research
- 2013 - present Executive Board, American Journal of Hypertension
- 2014 - present Treasurer, American Journal of Hypertension

INVITED PRESENTATIONS - INTERNATIONAL

- 2005 Invited Lecture: New Treatment Strategies for Hypertensive Patients with Insulin Resistance. Thailand Society of Hypertension, Bangkok, Thailand, Feb 18, 2005
- 2005 Invited Lecture: Treating Insulin Resistance, Hypertension and the Metabolic Syndrome. South African Society of Hypertension, Cape Town, South Africa, March 6, 2005
- 2005 Invited Lecture: New Approaches to Insulin Resistance and Hypertension. 15th Clinical Endocrine Metabolism Update, Sapporo, Japan, March 12, 2005
- 2005 Invited Lecture: Treating Insulin Resistance, Hypertension, and the Metabolic Syndrome. Division of Nephrology, Endocrinology, and Vascular Medicine, Sendai University, Sendai, Japan, March 14, 2005
- 2005 Invited Lecture: Selective PPAR Modulators That Block the Angiotensin II Receptor. 3rd International Symposium on PPARs, Monte Carlo, Monaco, March 23, 2005
- 2005 Invited Lecture: Metabolic Effects of ARBs Beyond Renin Angiotensin System Blockade: Are All Molecules the Same? Satellite Symposium of the German Society of Cardiology, Mannheim, Germany, April 1, 2005
- 2005 Invited Lecture: New Evidence for Antidiabetic Effects of Angiotensin Receptor Blockers. VIII International Forum on the Renin-Angiotensin System, Capri, Italy, April 15-16, 2005
- 2005 Invited Session Chair: Molecular Genetics of Hypertension. VIII International Forum on the Renin-Angiotensin System, Capri, Italy, April 15-16, 2005

- 2005 Invited Lecture: Metabolic Effects of Inhibiting the Renin-Angiotensin System: New Perspectives. Boehringer-Ingelheim Symposium on Pharmacologic Therapy for Diabetes Mellitus and Arterial Hypertension: Fermo, Italy, April 27, 2005
- 2005 Invited Lecture: Antidiabetic Effects of Angiotensin Receptor Blockers. CME Course on Hypertension and Associated Risk Factors, Regello, Italy, April 28, 2005
- 2005 Invited Lecture: Metabolic Effects of Renin Angiotensin System Blockade. Medicine Grand Rounds, Hospital Maisonneuve-Rosemont, Montreal, Quebec, May 31, 2005
- 2005 Invited Lecture: Treatment of Insulin Resistance, Hypertension, and Metabolic Syndrome. Nephrology Grand Rnds, Hopital Notre Dame, Univ of Montreal, Quebec, May 31, 2005
- 2005 Invited Lecture: New Approaches to Insulin Resistance, Hypertension, and the Metabolic Syndrome. Medicine Grand Rounds, Hopital Fleurimont, Sherbrooke, Canada, June 1, 2005
- 2005 Invited Lecture: Treatment of Insulin Resistance, Hypertension, and the Metabolic Syndrome. Cardiology Grand Rounds, the Royal Victoria Hospital and University of Montreal, Montreal, Canada, June 2,
- 2005 Invited Lecture: New Approaches to Hypertension and the Metabolic Syndrome. Medicine Grand Rounds, the Jewish General Hospital, Montreal, Quebec, June 2, 2005
- 2005 Invited Lecture: Antidiabetic Effects of Angiotensin Receptor Blockers. Satellite Symposium of the European Society of Cardiology. Stockholm, Sweden, Sept 6, 2005
- 2005 Invited Lecture: New Treatment Strategies for Hypertensive Patients with Insulin Resistance. Cardiology Grand Rounds, London Health Sciences, University Campus, London, Ontario, Sept 26, 2005
- 2005 Invited Lecture: Antidiabetic Effects of ARBs: Are All Molecules the Same? Internal Medicine Grand Rounds, London Health Sciences, Victoria Campus, London, Ontario, Sept 26, 2005
- 2005 Invited Lecture: Metabolic Benefits of Antihypertensive Therapy Beyond AT1 Receptor Blockade, 7th Meeting on Diabetes and Cardiovascular Risk Factors, Hong Kong, October 2, 2005

- 2005 Invited Lecture: Antidiabetic Effects of ARBs: Are All Molecules the Same? Research Seminar, Osaka University Graduate School of Medicine, Osaka, Japan, October 12, 2005
- 2005 Plenary Lecture: Obesity, Insulin Resistance, and Hypertension. Japan Society for the Study of Obesity, Sapporo, Japan, October 14, 2005
- 2005 Invited Lecture: New Treatment Strategies for Hypertensive Patients with Insulin Resistance. International Symposium on Cardiovascular Protection, Rio de Janeiro, Brazil, October 22, 2005
- 2006 Invited Lecture: Treating Insulin Resistance in the Hypertensive Patient. French Society of Cardiology, Paris, France, January 20, 2006
- 2006 Invited Lecture: New Findings in Metabolic Disorders and the Role of PPAR gamma: Are all ARBs the Same? Spanish Society of Hypertension, Madrid, Spain, March 10, 2006
- 2006 Invited Lecture: Antidiabetic Effects of ARBs. International Seminar in Endocrinology, Medical Research Institute, Kitano Hospital, Kitano, Japan, March 23, 2006-03-20
- 2006 Invited Lecture: Mitochondrial Genomics and Therapeutics of the Metabolic Syndrome. Osaka University, Japan, March 24, 2006
- 2006 Invited Keynote Lecture: Mitochondrial Genomics and Therapeutics of the Metabolic Syndrome, Japanese Circulation Society, Nagoya, Japan, March 26, 2006
- 2006 Invited Lecture: Cardiometabolic ARBs with Anti-diabetic Effects Independent of Renin-Angiotensin System Blockade. Satellite Symposium of the Norwegian Society of Cardiology, Stavanger, Norway, April 27, 2006
- 2006 Plenary Lecture: New Opportunities for Treating Insulin Resistance, Hypertension, and the Metabolic Syndrome, Hong Kong College of Cardiology, Hong Kong, May 6, 2006
- 2006 Invited Lecture: Metabolic Syndrome or Not: Addressing Hypertension and Insulin Resistance, Satellite Meeting of the European Society of Hypertension, Madrid, Spain, June 14, 2006
- 2006 Invited Lecture: Metabolic Syndrome and Renin Angiotensin System Blockade: New Evidence, New Perspectives, 7th National Congress of Ambulatory Cardiology, Pisa, Italy, June 16, 2006

- 2006 Invited Lecture: New Opportunities for Treating Insulin Resistance, Hypertension, and the Metabolic Syndrome. Ho Chi Minh City, Vietnam, September 13, 2006
- 2006 Invited Lecture: New Opportunities for Treating Insulin Resistance, Hypertension, and the Metabolic Syndrome. Hanoi, Vietnam, September 15, 2006
- 2006 Invited Lecture. Treating Insulin Resistance in Patients with Hypertension. Taiwanese Society of Cardiology, Taipei, Taiwan, September 16, 2006
- 2006 Plenary Lecture: Pathogenesis and Treatment of the Metabolic Syndrome: Insights From the Mitochondrial Genome. The International Society of Hypertension, Fukuoka, Japan, October 17, 2006
- 2006 Invited Lecture: Mitochondrial Genomics and Therapeutics of the Metabolic Syndrome, Satellite Symposium of the International Society of Hypertension, Sapporo, Japan, October, 23, 2006
- 2006 Invited Lecture: New Opportunities for Preventing Diabetes in Patients with Hypertension. Saitama Medical University, Saitama, Japan, December 5, 2006
- 2007 Invited Lecture: Are the Anti-diabetic Effects of All ACE inhibitors and ARBs the Same? Satellite Symposium of the Belgian Society of Cardiology, Brussels, Belgium Feb 1, 2007
- 2007 Invited Lecture: New Opportunities for Preventing Diabetes and Cardiovascular Disease in Patients With Hypertension. Korean Society of Nephrology, Seoul, Korea, May 18, 2007
- 2007 Invited Lecture: New Treatment Strategies for Patients With Hypertension and Insulin Resistance. Clinical Workshop on Hypertension and Related Disease Management, Beijing, China, May 26, 2007
- 2007 Invited Lecture: New Opportunities for Preventing Diabetes in Patients with Hypertension and the Metabolic Syndrome. Nephrology Division, National University of Malaysia, June 7, 2007
- 2007 Invited Lecture: New Opportunities for Treating Insulin Resistance, Hypertension, and the Metabolic Syndrome, ASEAN CardioRenal Symposium, Kota Kinabalu, Malaysia, June 9, 2007

- 2007 Invited Lecture: New Opportunities for Treating Insulin Resistance, Hypertension, and the Metabolic Syndrome, Singapore Medical Society CME Symposium, Singapore, June 10, 2007
- 2007 Invited Lecture: Cardiovascular and Metabolic Effects of Angiotensin II Receptor Blockers: All Molecules Are Not the Same. International Symposium on Hypertension and the Metabolic Syndrome, Osaka, Japan, June 23, 2007
- 2007 Invited Lecture: New Opportunities for Preventing Diabetes and Cardiovascular Disease in Patients with Hypertension, 10th International Kitano Endocrinology Symposium, Osaka, Japan, June 25, 2007.?
- 2007 Invited Lecture: New Opportunities for Preventing Diabetes and Cardiovascular Disease in Patients with Hypertension, Division of Cardiology, Kagoshima University, Kagoshima, Japan, June 26, 2007
- 2007 Invited Lecture: Current Treatment Approaches and Remaining Needs in Cardiovascular Disease. International Symposium on Cardio & Vascular High-Risk Patients. Tokyo, Japan, July 16, 2007.
- 2007 Invited Lecture: Beyond the Classical ARB Profile. Department of Geriatric Medicine, Osaka University, Osaka, Japan, July 17, 2007
- 2007 Invited Lecture: New Perspectives on the Metabolic Syndrome. 8th Congress of the Umbria Regional Association of Ambulatory Cardiologists, Brufa di Torgiano, Italy, November 30, 2007
- 2007 Invited Lecture: Progress and Promise of Renin Angiotensin System Blockade. 10th Meeting on Geriatric Medicine, Osaka, Japan, December 8, 2007
- 2007 Invited Lecture: New Opportunities for Preventing Diabetes and Cardiovascular Disease in Patients with Hypertension. Department of Medicine, Kagawa University, Takamatsu, Japan, December 10, 2007
- 2007 Invited Lecture: Molecule Specific Effects of Angiotensin II Receptor Antagonists: Implications for Clinical Trials with Different ARBs. Sponsored Symposium on Cardiovascular Endocrinology, Kyoto, Japan, December 12, 2007
- 2008 Invited Lecture: Identification and Management of High Risk Patients: Focus on the Hypertension Metabolic Syndrome. International Symposium on Cardiovascular and Neurovascular Medicine, Hong Kong, February 24, 2008

- 2008 Invited Lecture: Cardiovascular Effects of ARBs: Are All Molecules the Same? Expert Forum on new Approaches in Cardio and Vascular Protection, Hong Kong, May, 20, 2008
- 2008 Invited Lecture: Angiotensin Receptor Blockers: Metabolic and Cardiovascular Effects of Angiotensin Receptor Blockers: Are All Molecules the Same ? Joint International Symposium of the Journals of the American Society of Hypertension and Chinese Society of Hypertension, Dalian, China, May 22, 2008
- 2008 Invited Keynote Lecture: Nuclear and Mitochondrial Gene Variants that Influence the Hypertension Metabolic Syndrome: Satellite Symposium of the International Society of Hypertension on the Etiology of Genetic Hypertension and Metabolic Syndrome, Prague, Czech Republic, June 20, 2008
- 2008 Invited Speaker: Prevention of CV Disease in High Risk Patients, Osaka Symposium on Hypertension and Metabolic Syndrome, Osaka, Japan, June 28, 2008
- 2008 Keynote Lecture: Mechanisms of Hypertension and the Metabolic Syndrome: Lessons from the Spontaneously Hypertensive Rat. Japanese Society of Hypertension, Sapporo, Japan, October 10, 2008
- 2008 Invited Speaker: Reducing Metabolic and CV Risk in Patients with Hypertension and the Metabolic Syndrome, Kanazawa University, Kanazawa, Japan, Nov 17, 2008
- 2008 Invited Speaker: Cardioprotective and Antidiabetic Effects of Angiotensin Receptor Blockers: Fact vs Fiction, Kagoshima University, Kagoshima, Japan, Nov 18, 2008
- 2009 Invited Speaker: Preventing Diabetes and CV Disease with Antihypertensive Drugs: Current Options and Future Directions. Expert Meeting, Sapporo, Japan, May 19, 2009
- 2009 Invited Speaker: Beyond Blood Pressure Lowering: Which ARBs Prevent Diabetes and CV Disease in High Risk Patients? Asian-Pacific Cardiovascular Congress, Kyoto, Japan, May 22, 2009
- 2009 Program Chair: 3rd International Symposium on Hypertension and the Metabolic Syndrome, Osaka, Japan, June 6, 2009

- 2009 Invited Speaker: The Need for Greater Cardiovascular and Metabolic Protection Beyond Inhibition of the Renin Angiotensin System. 3rd International Symposium on Hypertension and the Metabolic Syndrome, Osaka, Japan, June 6, 2009
- 2009 Invited Speaker: Identifying New Opportunities for Prevention of Diabetes and CV Disease in Patients with Hypertension. Dept. of Medicine, Chiba University, Chiba, Japan, June 8, 2009
- 2009 Invited Speaker: Identification of Antihypertensive Agents That Prevent Diabetes and CV Disease in High Risk Patients. Dept. of Medicine, Hiroshima University, June 9, 2009
- 2009 Invited Speaker: Can Telmisartan Protect Against New Onset Diabetes? European Society of Cardiology Satellite Symposium, Barcelona, Spain, August 31, 2009
- 2009 Invited Speaker: Novel Mechanisms Regulating Blood Pressure Revealed By Genetic Studies of the Spontaneously Hypertensive Rat. Society for Hypertension Related Disease Model Research, Tokyo, Japan, September 4, 2009
- 2009 Invited Speaker: Preventing Diabetes and CV Disease in Patients with Hypertension: New Research and Treatment Opportunities. Department of Molecular Pathology, University of Yamanashi, Yamanashi, Japan, September 7, 2009
- 2009 Keynote Lecture: Is C-Reactive Protein a Marker of Mediator of Metabolic Syndrome, Diabetes, and Risk for Cardiovascular Disease ?. Japanese College of Cardiology, Sapporo Japan, September 19, 2009
- 2009 Invited Lecture: Next Generation Angiotensin Receptor Blockers. Japanese College of Cardiology, Sapporo, Japan, September 19, 2009
- 2009 Invited Lecture: On the Cutting Edge: New Developments in Treatment of Hypertension and the Metabolic Syndrome. International Symposium on Cardiovascular and Life Style Related Disease, Tokyo, Japan, November 28, 2009
- 2009 Invited Lecture: Going Beyond Discovery of Genes for Complex Traits: Recent Lessons from Cd36. International Symposium on Rat Genomics and Models. Cold Spring Harbor Laboratory, December 2, 2009
- 2010 Invited Lecture: Choosing the Ideal Anti-Hypertensive Agent for CV Risk Management: Malaysian Society of Hypertension, Kuala Lumpur, Malaysia, January 29, 2010

- 2010 Invited Lecture: Next Generation Angiotensin Receptor Blockers. International Congress of Endocrinology, Kyoto, Japan, March 30, 2010
- 2010 Invited Lecture: Next Generation Angiotensin Receptor Blockers: New Opportunities for Preventing Vascular Injury and Renal Damage. International Society of Nephrology NEXUS Meeting Luncheon Symposium, Kyoto, Japan, April 16, 2010
- 2010 Invited Lecture: Next Generation ARBs. International Expert Meeting, Juntendo University, Tokyo, Japan, April 20, 2010
- 2010 Invited Lecture: Next Generation Angiotensin Receptor Blockers. International Expert Meeting, Keio University, Tokyo, Japan, April 21, 2010
- 2010 Invited Lecture: Molecular Genetics and Therapeutics of Hypertension and the Metabolic Syndrome: Lessons from the Spontaneously Hypertensive Rat. 4th Annual Symposium on Hypertension and the Metabolic Syndrome, Osaka, Japan, June 12, 2010
- 2010 Invited Lecture: Next Generation Multifunctional ARBs: Beyond the Renin-Angiotensin System. 6th International Conference on the Biology, Chemistry, and Therapeutic Applications of Nitric Oxide, Kyoto, Japan, June 16, 2010
- 2010 Invited Lecture: Protecting Against CV Events in High Risk Patients: Beyond the Renin-Angiotensin System. Japanese Society of Nephrology, Kobe, Japan, June 17, 2010
- 2010 Invited Lecture: International Okamoto Award Lecture of the Japan Vascular Disease Research Foundation. 14th International Symposium on the Spontaneously Hypertensive Rat, Montreal, Canada, September 23, 2010
- 2010 Invited Lecture: Next Generation Angiotensin Receptor Blockers. Division of Cardiovascular Medicine, Juntendo University, Tokyo, Japan, October 27, 2010
- 2010 Invited Lecture: Molecular Genetics and Therapeutics of the Metabolic Syndrome: Lessons from the Spontaneously Hypertensive Rat. 18th Annual Meeting of the Japanese Vascular Biology and Medicine Organization, Osaka, Japan, December 2, 2010
- 2011 Invited Lecture: Next Generation Multifunctional ARBs: Beyond the Renin Angiotensin System. International Expert Meeting, Okura Frontier Hotel, Tsukuba, Japan, June 23, 2011

- 2011 Invited Lecture: Genetic Dissection of the Hypertension Metabolic Syndrome. 5th Annual Hypertension and Metabolic Syndrome Symposium, Osaka, Japan, June 25, 2011
- 2011 Invited Lecture: Cardiovascular Protection: Pleiotropic Effects of Second Generation Angiotensin Receptor Blockers. Sponsored Symposium, XLIV Venezuela Congress of Cardiology, August 4, 2011
- 2011 Invited Lecture: Next Generation Angiotensin Receptor Blockers: Beyond the Renin Angiotensin System. Jichi Medical University, Tochigi, Japan, September 29, 2011
- 2011 Invited Lecture: Next Generation Angiotensin Receptor Blockers: Beyond the Renin-Angiotensin System, Expert Meeting with National Cerebral and Cardiovascular Center of Japan, Osaka, Japan, October 21, 2011
- 2011 Invited Lecture: Next Generation Angiotensin Receptor Blockers: Beyond the Renin Angiotensin System, Department of Nephrology and Hypertension, Shiga University of Medical Science, Otsu, Shiga, Japan, November 8, 2011
- 2011 Invited Lecture: Next Generation Angiotensin Receptor Blockers: Beyond the Renin Angiotensin System, Department of Cardiology, Fujita Health University School of Medicine, Toyoake, Aichi, Japan, November 30, 2011
- 2011 Invited Lecture: Genetic Dissection of the Metabolic Syndrome in Experimental Hypertension, Anti-Aging Society Symposium, Osaka, Japan, December 3, 2011
- 2012 Invited Lecture: What is the Optimal Drug for Hypertension Treatment? Fukushima Medical University, Fukushima, Japan, March 14, 2012
- 2012 Keynote Lecture: C-Reactive Protein, Inflammation, and the Metabolic Syndrome, 76th Annual Meeting of the Japanese Circulation Society, Fukuoka, Japan, March 17, 2012
- 2012 Invited Lecture: What is the Optimal Drug for Hypertension Treatment? Department of Cardiology, Aichi Medical University, Nagoya, Japan, April 12, 2012
- 2012 Invited Lecture: Angiotensin Receptor Blockers and Cardiovascular Protection. Medellín, Colombia, May 28, 2012
- 2012 Invited Lecture: The Mitochondrial Genome and Risk for the Metabolic Syndrome. 6th annual Meeting on the Hypertension and Metabolic Syndrome, Osaka, Japan, July 7, 2012

- 2012 Invited Lecture: What is the Optimal Drug for Hypertension Treatment. 4th Seminar of Molecular Endocrinology and Metabolism, Tokyo Medical and Dental University, Tokyo, Japan, November 15, 2012
- 2013 Invited Lecture: An Update on CV Protection With Antihypertensive Drugs: Surprising Results from Recent Clinical Trials. Department of Medicine, German Hospital of Santiago, Santiago, Chile, April 24, 2013
- 2013 Invited Lecture: A Major Revision of the Principal Unifying Theory of Hypertension. 7th Annual International Meeting on Hypertension and Metabolic Syndrome, Osaka, Japan, June 29, 2013
- 2013 Invited Lecture: A major revision of the principal unifying theory of salt-sensitive hypertension: New emphasis on a causal role for primary abnormalities in vascular resistance. Japanese Vascular Biology and Medicine Organization, Osaka, Japan, September 26, 2013
- 2014 Invited Lecture: Future Medicine: Beyond Gene Discovery. 14th Annual Meeting of the Japanese Society for Anti-Aging Medicine, Osaka, Japan, June 8, 2014
- 2014 Invited Lecture: Initiation of Hypertension by Salt or Obesity: What Are the Hemodynamic Mechanisms ?" 8th Annual International Meeting on Hypertension and Metabolic Syndrome, Osaka, Japan, June 28, 2014
- 2014 Invited Lecture: Risks and Benefits of Antihypertensive Drugs That Block the Renin-Angiotensin System. Department of Medicine, University of Chile, Santiago, Chile, July 14, 2014
- 2014 Invited Lecture: Misconceptions About the Genetics and Renal Mechanisms of NaCl-Induced Hypertension. Laboratory of Integrative Physiology, Millennium Institute of Immunology and Immunotherapy and Chronic Kidney Disease Center, University of Chile, Santiago, July 15, 2014
- 2014 Invited Lecture: What is the Optimal Drug for Treatment of Hypertension? International Expert Meeting, Eastern Chiba Medical Center, Togane City, Japan, September 8, 2014
- 2014 Invited Lecture: What is the Optimal Drug for Treatment of Hypertension? International Expert Meeting, Asahi General Hospital, Asahi-city, Japan, September 10, 2014
- 2015 Invited Lecture: Understanding the Mechanisms of Salt-Sensitivity and Salt-Resistance. Hypertension and Metabolic Syndrome Symposium, Osaka, Japan, June 27, 2015

- 2015 Invited Lecture: The Vasodysfunction Theory of Salt-Sensitivity - Lessons from Animal Models. 51st Annual Meeting of the Society for Hypertension Related Disease Models Research. Osaka, Japan, October 30, 2015.
- 2016 Invited Lecture The Vasodysfunction Theory of Salt-Sensitivity. Department of Clinical Pathology and Clinical Laboratories., Tokyo University, Japan, March 4, 2016
- 2016 Invited Lecture: What Causes Resistance to Salt-Induced Hypertension ? 10th Annual Symposium on Hypertension and the Metabolic Syndrome, Osaka Japan, June 25, 2016
- 2016 Invited Lecture: A New Theory of Salt-Induced Hypertension: Implications for Clinical Management, International Expert Meeting, Hiroshima, Japan, June 30, 2016
- 2016 Invited Lecture: Mechanisms of Monogenic and Polygenic Forms of Salt-Sensitivity. Cardiovascular Genetics Satellite Meeting of the International Society of Hypertension and 17th Annual International SHR Symposium. Tokyo, Japan, September 22, 2016
- 2017 Invited Lecture: Mechanism-Based Functional Foods for the Prevention of Hypertension and Cardiovascular Disease. 65th Annual Meeting of the Japanese College of Cardiology, Osaka, Japan, September 30, 2017
- 2017 Invited Lecture: A New Unified Mechanism for Salt-Sensitive Hypertension. Japanese Society of Hypertension, Ehime, Japan, October 20, 2017
- 2017 Invited Lecture: How Does Salt Make the Blood Pressure Go Up ? It's Not What You Have Been Told. Research Center for Advanced Science and Technology, Division of Clinical Epigenetics, Tokyo University, Japan, October 23, 2017
- 2017 Invited Lecture: A New Theory of Salt-Induced Hypertension: Implications for Clinical Management. National Congress of Cardiology, Mexican College of Cardiology, Guadalajara, Mexico, November 3, 2017
- 2019 Invited Lecture: New Strategies for Preventing Salt-Induced Hypertension. Japanese Society of Hypertension, Tokyo, Japan, October 25, 2019
- 2019 Invited Lecture: Functional Foods That Promote Salt Resistance and Reduce the Risk for Salt-Induced Hypertension. Japanese Society of Functional Foods. Tokyo, Japan, December 7, 2019

- 2020 Invited Lecture: Mechanism Based Strategies for Preventing Hypertension on a Global Scale. Japanese Society of Hypertension, Okinawa, Japan. October 23, 2020 (meeting canceled due to COVID-19)
- 2020 Invited Lecture: Dietary Nitrate for Prevention of Salt-Induced Hypertension. International Society of Hypertension Satellite Symposium, Glasgow, Scotland. May 28, 2020 (meeting canceled due to COVID-19)
- 2021 Invited Lecture: New Strategies to Prevent Salt-Induced Hypertension. International Society of Hypertension, 19th International SHR Symposium, April 11, 2021. Meeting held by Zoom remote due to COVID-19
- 2022 Invited Lecture: The Usual Cause of Salt-Induced Hypertension: Abnormally Increased Sodium Retention or Abnormally High Vascular Resistance? International Society of Hypertension, Kyoto, Japan, October 13, 2022
- 2022 Invited Lecture: Mechanism Based Strategies for Preventing Salt-Induced Hypertension: Lessons Learned from Animal Models. Cardiovascular Disease Model Satellite Meeting of the International Society of Hypertension, Kyoto, Japan, October 17, 2022
- 2022 Invited Lecture: How Does Salt Make the Blood Pressure Go Up? Department of Geriatric Medicine, Osaka University, Osaka, Japan, October 17, 2022
- 2023 Invited Lecture: New Findings on Salt-Dependent Hypertension: Implications for Prevention and Clinical Management. University of British Columbia, Vancouver, Canada, January 13, 2023.
- 2023 Invited Lecture: New Findings on Salt-Dependent Hypertension: Implications for Prevention and Clinical Management. Department of Medicine, Showa University School of Medicine, Tokyo, Japan, June 22, 2023
- 2023 Invited Lecture: New Findings on Salt-Dependent Hypertension: Implications for Prevention and Clinical Management. International University of Health and Welfare, School of Medicine Department of Medicine, Narita Chiba, Japan, June 23, 2023

INVITED PRESENTATIONS - NATIONAL

- 2000 Conference Chair and Organizer, American Society of Hypertension- John Laragh Research Conference on Advances in Hypertension Research: Hypertension and the New Biology of Obesity, Boca Raton, Florida, January 13-15, 2000
- 2000 Invited Speaker: The Genome Project and Gene Expression Analysis in Hypertension Research: The Rat Genome. The American Heart Association Scientific Sessions, New Orleans, LA, November 12, 2000
- 2001 Chair and Organizer: New Frontiers in Aldosterone/Mineralocorticoid Biology: A Reemerging Force in Target Organ Damage and Hypertension. John H. Laragh Conference on Advances in Hypertension Research, American Society of Hypertension, Scottsdale, AZ, January 11-13, 2001
- 2001 Invited Speaker: Genetics of Hypertension. The American Society of Hypertension Clinical Review Course in Hypertension, Chicago, IL, March 24, 2001
- 2001 Invited Speaker: Use of Congenic Strains, Transgenic Strains, and cDNA Microarrays to Identify Hypertension Related QTLs at the Molecular Level. American Heart Association Workshop on Genetics and Genomics and Their Approaches to Understanding Mechanisms of Hypertension and Cardiovascular Disease, Chicago, IL Sept 22, 2001
- 2001 Invited Speaker: Genetics of Risk Factor Clustering in Experimental Hypertension. The American Society of Human Genetics - Session on the Genetics of Hypertension, 51st Meeting of the American Society of Human Genetics, San Diego, CA October 13, 2001
- 2002 Chair and Program Director: American Society of Hypertension 3rd Annual Laragh Conference on Advances in Hypertension Research: Target Organ Damage in Hypertension: Mechanisms, Prevention, and Management, Palm Beach, FL, January 31-February 2, 2002
- 2002 Invited Speaker: Using Congenic and Transgenic Strains to Understand the Molecular Pathophysiology of Syndrome X and Hypertension. The American Physiological Society, Experimental Biology Meetings 2002, New Orleans, LA, April 22, 2002
- 2002 Invited Chair: Gene Environment Interactions in Obesity. Physiology InFocus session of American Physiological Society, 2002, New Orleans, LA, April 21, 2002

- 2003 Invited Speaker: Genetics of Hypertension: Implications for Clinical Practice. American Society of Hypertension, Clinical Hypertension Course, New Orleans, LA, Feb 14, 2003
- 2003 Invited Speaker: Discovery of Novel ARBs That Specifically Target Insulin Resistance and the Dysmetabolic Syndrome. 18th Annual Scientific Meeting of the American Society of Hypertension, New York, New York, May 16, 2003
- 2003 Invited Speaker: The Metabolic Syndrome and Renal Disease: Molecular Mechanisms and Emerging Therapeutic Approaches. American Society of Nephrology Postgraduate Education Course, San Diego, CA, November 12, 2003
- 2003 Invited Speaker: Genetics, Hypertension, and the Kidney. American Society of Nephrology Postgraduate Education Course, San Diego, CA, November 12, 2003
- 2004 Invited Chair: Physiological Genomics in Hypertension and Cardiovascular Medicine. The American Society of Hypertension, New York, NY, May 20, 2004
- 2004 Invited Lecture: Molecular Genetics and Therapeutics of the Hypertension Metabolic Syndrome. Renal Week Symposium on Genetics, Race, and Cardiovascular/Renal Disease, the American Society of Nephrology, St. Louis, Missouri, October 30, 2004
- 2005 Invited Chair: Clues to the Etiology of Hypertension from Genetics to Genomics. The American Society of Hypertension, San Francisco, CA, May 16, 2005
- 2006 Novartis Award Lecture of the Council for High Blood Pressure Research of the American Heart Association. Molecular Genetics and Therapeutics of the Hypertension Metabolic Syndrome: Insights From Genetic Models, San Antonio, TX, Oct 6, 2006
- 2007 Invited Lecture: Potential Role of Renin Angiotensin System Blockade in Cardiometabolic Risk Management. National Education Summit of the Vascular Biology Working Group, Orlando, FL, November 16, 2007
- 2010 Invited Presentation: Genome Wide Association Studies in Unlocking the Genetic Basis of Human Hypertension: Strengths and Limitations, American Society of Hypertension, May 2010
- 2010 Invited Presentation: Next Generation ARBs, Takeda Pharmaceuticals North America, Deerfield, IL, September 15, 2010

- 2011 Invited Presentation: Genetics of Experimental Hypertension: Translation to Humans, American Society of Hypertension, New York, New York, May 21, 2011
- 2011 Invited Presentation: Cd36 Expression as Genetic Determinant of Risk for Hypertension, American Society of Nephrology, Philadelphia, PA, November 12, 2011
- 2011 Invited Presentation: Next Generation Angiotensin Receptor Blockers, Takeda Pharmaceuticals North America, Chicago, Illinois, December 7, 2011
- 2012 Invited session chair and speaker: Unifying Theories of Hypertension, Workshop of the AHA Council for High Blood Pressure Research, Washington DC, September 19, 2012
- 2013 Invited Presentation: Genetic Determinants of the Risk for Hypertension and Metabolic Syndrome in the Spontaneously Hypertensive Rat. Heart and Kidney Institute, College of Pharmacy, University of Houston, Houston, Texas, April 3, 2013
- 2013 Invited Lecture: The Pathogenesis of NaCl-Induced Hypertension: How Did Genetics Lead us Astray? Cold Spring Harbor Laboratory International Meeting on Rat Genomics and Models, Cold Spring Harbor, New York, December 13, 2103
- 2014 Invited Lecture: How Does NaCl Make the Blood Pressure Go Up ? Department of Physiology, Wayne State University School of Medicine, September 9, 2014
- 2014 Invited Lecture: How Does NaCl Make the Blood Pressure Go Up ? It's Not What You've Been Told By Either the Renal Physiologists or Molecular Geneticists. Frontiers in Cardiovascular Science Seminar, University of Michigan Cardiovascular Center, Ann Arbor, Michigan, September 13, 2014
- 2017 Invited Lecture: How Does NaCl Make the Blood Pressure Go Up? It's Not What You've Been Told by Either the Renal Physiologists or Molecular Geneticists. Center for Hypertension Research and the Abboud Cardiovascular Research Center, University of Iowa College of Medicine, March 31, 2017
- 2017 Invited Lecture: How Does Salt Make the Blood Pressure Go Up ? It's Not What You've Been Told. Center for Clinical and Translational Science, Rockefeller University, New York, September 27, 2017

2018 Invited Lecture: Surprising New Findings on Salt and Hypertension. Medicine Grand Rounds, NCH Health Care System, Naples, Florida, December 6, 2018.

INVITED PRESENTATIONS - REGIONAL AND OTHER INVITED PRESENTATIONS

- 2000 Invited Speaker: Genetic Dissection of Insulin Resistance, Dyslipidemia, and Hypertension using cDNA Microarrays, Congenic Strains, and Transgenic Strains. Department of Nutritional Science, University of California, Berkeley, October 4, 2000
- 2000 Invited Speaker: Clustering of Insulin Resistance, Dyslipidemia, and Hypertension: New Insights into Primary Mechanisms of Syndrome X. The Jackson Cardiovascular-Renal Meeting, The University of Mississippi, Jackson MS, November 8-11, 2000
- 2001 Invited Speaker: Clustering of Insulin Resistance, Dyslipidemia, and Hypertension: New Insights into Primary Genetic Mechanisms of Experimental Syndrome X. Endocrinology Grand Rounds, University of California, San Francisco, February 14, 2001
- 2001 Invited Speaker: Genetic Determinants of Hypertension Induced Renal Damage. The Southern Society of Clinical Investigation, New Orleans, LA, March 1, 2001
- 2001 Invited Seminar: Genetics of Experimental Hypertension and Target Organ Damage. Program in Vascular Biology, Department of Physiology, State University of New York, Stony Brook, NY, April 26, 2001
- 2001 Invited Speaker: Genetics, Hypertension, and the Kidney, Nephrology Grand Rounds, Stanford University Medical Center, November 29, 2001
- 2002 Invited Speaker: Mechanisms of the Hypertension Metabolic Syndrome X, Department of Medicine Grand Rounds, Loyola University, Chicago, ILL, March 19, 2002
- 2002 Medical Staff Conference: Problems in Hypertension Management. Kern Medical Center, Bakersfield, CA, Nov 7, 2002
- 2003 Invited Speaker: Identification of Angiotensin II Receptor Antagonists With Selective PPAR gamma Modulating Activity. Pfizer Central Research, Ann Arbor, Michigan, December 9, 2003

- 2004 Invited Speaker: Beyond QTL Mapping: Identification of QTL at the Molecular Level. UCSF Program in Human Genetics, San Francisco, CA, January 12, 2004
- 2004 Invited Speaker: Identifying QTL at the Molecular Level by Genome Scanning of Congenic and Recombinant Inbred Strains. Vascular Biology Program, Department of Pathology, University of Washington, Seattle, WA, March 26, 2004
- 2004 Invited Speaker: The Influence of Rapp's Paradigm on the Field of Experimental Hypertension Research. International Cardiovascular Genomics Symposium, Medical College of Ohio, May 17, 2004
- 2004 Invited Lecture: Identification of New Treatment Strategies for Insulin Resistant Hypertension and the Metabolic Syndrome. Endocrinology Grand Rounds, Stanford University, October 20, 2004
- 2004 Invited Lecture: Treating Insulin Resistant Hypertension and the Metabolic Syndrome. Boehringer Ingelheim Co. Advisory Board, Toronto, Canada, November 27, 2004
- 2005 Invited Lecture: Identification of New Treatment Strategies for Insulin Resistance, Hypertension, and the Metabolic Syndrome. Georgetown University Nephrology
- 2006 Invited Lecture: Translational Genomics and Therapeutics of Hypertension and Type 2 Diabetes. Grand Rounds, UCSF Department of Laboratory Medicine, April 3, 2006
- 2007 Invited Panelist: Mentor-Mentee Relationships. Renal Research Seminar, Nephrology Division, University of California, San Francisco
- 2007 Invited Lecture: Pathogenesis and Treatment of the Metabolic Syndrome: New Insights from the Mitochondrial Genome. Department of Nutritional Sciences and Toxicology, University of California, Berkeley, CA, September 12, 2007
- 2008 Invited Lecture: Molecular Genetics and Therapeutics of the Hypertension Metabolic Syndrome: Insights from Genetic Models. Renal Grand Rounds, Department of Medicine, University of California, San Francisco, CA, April 23, 2008
- 2009 Invited Lecture: Searching for Novel Renal Mechanisms of Hypertension. Renal Grand Rounds, Department of Medicine, University of California, San Francisco, August 12, 2009
- 2010 Invited Lecture: Molecular Genetics and Therapeutics of the Metabolic Syndrome: Insights from Genetic Models, Department of Pathology and Laboratory Medicine, University of California, Irvine, January 8, 2010

- 2010 Leonard Share Memorial Lecture: E.E. Muirhead. Hypertension Research Day, University of Tennessee Health Science Center, Memphis, Tennessee, November 3, 2010
- 2012 Invited Lecture: Are You Using the Wrong Diuretic for Hypertension? Chlorthalidone vs. HCTZ. Renal Grand Rounds, Department of Medicine, University of California, San Francisco, September 5, 2012
- 2014 Invited Lecture: Genetics of Common and Rare Forms of Hypertension. Seminar in Human Genetics for the Integrative Genetics and Genomic Graduate Group, University of California, Davis, February 24, 2014
- 2014 Seminar: Genetics of Common and Rare Forms of Hypertension: Why the Lack of Mechanistic Insights? Institute of Human Genetics, University of California, San Francisco, March 3, 2014
- 2014 Invited Lecture: Misconceptions About the Genetics and Renal Mechanisms of NaCl-Induced Hypertension. Nephrology Grand Rounds, Department of Medicine, University of California, Davis, April 29, 2014
- 2020 Invited Lecture: Mineralocorticoid Hypertension. Endocrinology Fellows Teaching Conference. Department of Medicine, University of California, San Francisco, October 14, 2020
- 2021 Invited Lecture: Mineralocorticoid Hypertension. Endocrinology Fellows Teaching Conference. Department of Medicine, University of California, San Francisco, October 20, 2021
- 2021 Invited Lecture: Electrolytes and Hypertension. Continuing Education Program for Clinical Laboratory Scientists, UCSF Medical Center, San Francisco, CA, December 1, 2021
- 2023 Invited Lecture: Investigating Endocrine Results that Don't Make Sense. Endocrinology Grand Rounds, UCSF School of Medicine. February, 2023

CONTINUING EDUCATION AND PROFESSIONAL DEVELOPMENT ACTIVITIES

- 2010 American Society of Hypertension
- 2012 American Society of Hypertension
- 2013 American Society of Hypertension
- 2014 American Heart Association Council for High Blood Pressure Research

2017 American Heart Association Hypertension Council

2021 International Society of Hypertension

GOVERNMENT AND OTHER PROFESSIONAL SERVICE

1995 - 1995	NIH Expert Panel on Genetic Models and Transgenic Resources for Hypertension	Committee Member
1995 - 1995	NIH Expert Panel on Genetic Strategies for Heart, Lung, and Blood Diseases	Committee Member
1996 - 1996	NIH Experimental Cardiovascular Sciences Study Section	Reviewer, ad hoc
1999 - 1999	NIH/NIDDK Review Panel on Diabetic and Non-Diabetic Susceptibility Genes	Committee Member
1999 - 1999	NIH Special Emphasis Panel on Minority Research Training	Committee Member
1999 - 1999	NIH Special Emphasis Panel on Experimental Cardiovascular Sciences	Committee Member
2000 - 2000	NIH Review Panel: SCOR Programs on Molecular Genetics of Hypertension	Committee Member
2004 - 2004	NIH/NHLBI Expert Panel on Future Directions in Hypertension Research	Committee Member
2005 - 2005	NIH/NHLBI Scientific Review Panel for Supplemental Applications to NIH Program in Genomic Applications	Committee Member
2007 - 2007	British Heart Foundation Research Programme Review	Committee Member
2009 - 2009	NIH/NHLBI Clinical and Integrative Cardiovascular Science Study Section	Reviewer, ad hoc
2009 - 2009	NIH/NHLBI RFA Challenge Grants Panel	Reviewer, ad hoc
2011 - 2012	Czech Science Foundation Review Panel	Committee Member
2012 - 2012	Max Delbruck Center for Molecular Medicine, External Review Panel	Committee Member
2102 - 2013	NIH Special Emphasis Panel Scientific Review Group, Genetics of Health and Disease Study Section	Committee Member
2015 - 2016	Czech Science Foundation, Scientific Review Panel	Grant Reviewer
2014 - 2016	Berlin Institute of Health, Berlin, Germany Scientific Grant Review Panel	Committee Member
2016 - 2016	NIH/NHLBI Program Project Review Study Section, Cardiovascular Systems Dynamics, Hypertension, and Hypertensive Disease	Grant Reviewer

2017 - 2017	Department of Pharmacology, University of Iowa College of Medicine, 5 Year Faculty Member Review	External Reviewer
2017 - 2017	Czech Science Foundation and Grant Agency of the Czech Republic	Grant Reviewer
2018 - 2018	Max Delbrück Center for Molecular Medicine, Scientific Advisory Board, Berlin, Germany	External Reviewer
2019 - 2019	Rank and Tenure Committee, Department of Physiology, Medical College of Wisconsin, Milwaukee, Wisconsin	External Reviewer
2020 - 2020	Promotion Review Committee, Monash University, Melbourne, Australia	External Reviewer
2021 - 2021	Czech Science Foundation, Prague, Czech Republic	Invited Grant Reviewer

UNIVERSITY AND PUBLIC SERVICE

UNIVERSITY SERVICE

UC SYSTEM AND MULTI-CAMPUS SERVICE

2002 - 2004	Executive Board, University Pathology Consortium	UCSF representative
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UCSF CAMPUSWIDE

1999 - 2000	Chest Pain Management Committee, UCSF-Stanford Health Care	UCSF representative
2004 - 2005	Technical Liaison Committee, UCSF and Blood Systems Inc	Committee Member
1999 - 2010	UCSF General Clinical Research Center Advisory Committee	Committee Member
2016 - 2018	Lowering Our Costs Clinical Laboratories Utilization Team	Committee Member
2014 - 2021	Clinical Laboratory Compliance Committee covering UCSF Moffitt-Long, Mission Bay, and Mt Zion Medical Centers	Committee Member
2011 - present	Clinical Laboratory Quality Improvement Committees, UCSF Moffitt-Long and China Basin Laboratories	Committee Member

SCHOOL OF MEDICINE

2003 - 2003	Ad hoc Promotion Committee, UCSF School of Medicine	Committee Member
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2003 - 2008	Medical Student With Thesis Committee, UCSF School of Medicine	Committee Member
2004 - 2004	Ad hoc Promotion Committee, UCSF School of Medicine	Committee Chair
2000 - 2000	Faculty Search Committee for Director of Microbiology Laboratories, UCSF School of Medicine	Committee Member
2002 - 2002	Faculty Search Committee for Director of Laboratory Information Services, UCSF School of Medicine	Committee Member
2010 - 2011	Faculty Search Committee for Director of Mass Spectrometry Clinical Laboratory, UCSF School of Medicine	Committee Chair
2011 - 2011	Stewardship Review Committee of the Department Chair of Laboratory Medicine	Interviewee
2012 - 2012	Stewardship Review Committee, The UCSF Center for Reproductive Sciences	Member
2017 - 2017	Five Year Review of Department Chair, UCSF Department of Laboratory Medicine	Interviewee
2021 - 2021	Faculty Meeting on Advancement and Promotion, UCSF School of Medicine Faculty Council	Panelist

DEPARTMENTAL SERVICE

1999 - 1999	Chair's 5 year Review Committee, UCSF Dept. of Laboratory Medicine	Committee Member
1999 - 1999	Indirect Cost Recovery Committee, UCSF Dept. of Laboratory Medicine	Committee Member
1999 - 2001	Editorial Committee, Newsletter for the UCSF Dept. of Laboratory Medicine	Committee Member
2003 - 2003	Faculty Retreat Committee, UCSF Department of Laboratory Medicine	Committee Member
2005 - 2005	Ad Hoc Hiring Committee for Personnel Analyst, UCSF Dept of Laboratory Medicine	Committee Member
1999 - 2013	Chair's Advisory Committee, UCSF Department of Laboratory Medicine	Committee Member
2006 - 2013	CME Grand Rounds Planning Committee, UCSF Department of Laboratory Medicine	Committee Member
2014 - 2015	Departmental Advisory Committee (DAC) on compensation, UCSF Dept of Laboratory Medicine	Member
2006 - 2017	Planning Committee for Kabra and Brecher Lectures, UCSF Department of Laboratory Medicine	Committee Member

2019 - 2020	Departmental Advisory Committee (DAC) on Compensation, UCSF Department of Laboratory Medicine	Committee Member
1999 - 2020	Residency Training/Selection Committee, UCSF Department of Laboratory Medicine	Interviewer
2020 - 2020	Resident Orientation, Faculty Q&A Panel, UCSF Department of Laboratory of Medicine	Faculty Panelist
1999 - 2020	Committee on Appointments, Promotions, and Merit, UCSF Dept of Laboratory Medicine	Committee Chair
2006 - present	Committee on Animal Research, UCSF Department of Laboratory Medicine	Committee Member

COMMUNITY AND PUBLIC SERVICE

2011 - 2011	Summer Search San Francisco (summer opportunity program for low income youth)	Donor/Supporter
2014 - 2016	Development School for Youth: All Stars Project of the Bay Area. Organizer and presenter of STEM workshops for high school students	Volunteer Speaker
2012 - present	All Stars Project of the Bay Area: Benefit Luncheon Program Member (non-profit organization providing performance-based development opportunities to youth throughout the Bay Area's poorest neighborhoods)	Volunteer Supporter/Donor

TEACHING AND MENTORING

2002 - present Type of teaching: Grand Rounds, Workshops, CME Courses, Sponsored Symposia, Department Seminars, Laboratory Medicine Core Course Lectures, One on One Teaching of Residents and Research Students and Fellows

FORMAL TEACHING

	Academic Yr	Course No. & Title	Teaching Contribution	School	Class Size
	2000 - present	Core Curriculum, UCSF Laboratory Medicine Residency Program	Lectures in Clinical Chemistry	Medicine	6

INFORMAL TEACHING

2002 - 2020	Teaching of lab students and fellows experimental hypertension research (100 hrs/yr)
2002 - present	Supervision and teaching of Laboratory Medicine Residents in Clinical Chemistry (100 hrs/yr)

MENTORING SUMMARY**PREDOCTORAL STUDENTS SUPERVISED OR MENTORED**

Dates	Name	Program or School	Mentor Type	Role	Current Position
2001 - 2002	Eugene Wong	UCLA undergraduate	Research/Scholarly Mentor	Mentored summer research	
2001 - 2001	Brendan Innes	Melbourne University	Research/Scholarly Mentor	PhD thesis advisor	
2002 - 2002	Celia Wang	Harvard Univ undergraduate	Research/Scholarly Mentor	Mentored summer research	
2003 - 2003	Daniella Kim	UCSF medical student	Project Mentor	MD with thesis advisor	
2003 - 2004	Christopher Ho	CA State Univ undergraduate	Research/Scholarly Mentor, Project Mentor	Mentored master's research	
2004 - 2004	Adam Benjafield	Sydney University	Project Mentor	PhD thesis advisor	
2004 - 2005	Derrick Chan	UCLA undergraduate	Research/Scholarly Mentor, Project Mentor	Mentored summer research	
2004 - 2005	M. LaFemina	UCSF med student	Research/Scholarly Mentor, Project Mentor	Thesis adviser	
2005 - 2005	Yoichi Takeuchi	Sendai Univ. med student	Research/Scholarly Mentor, Project Mentor	Mentored summer research	
2009 - 2012	Ryan Vilardi	CSU masters student	Research/Scholarly Mentor, Project Mentor	Research laboratory advisor	
2011 - 2011	Berk Norman	High school student	Research/Scholarly Mentor, Project Mentor	Mentored summer research	

Dates	Name	Program or School	Mentor Type	Role	Current Position
2017 - 2018	Filip Jezek	Predocctoral student, Charles University, Prague	Research/Scholarly Mentor, Project Mentor	Research co-supervisor	
2018 - 2018	Janek Silar	Predocctoral student, Charles University, Prague	Research/Scholarly Mentor, Project Mentor	Research co-supervisor	

POSTDOCTORAL FELLOWS AND RESIDENTS MENTORED

Dates	Name	Fellow	Mentor Role	Faculty Role	Current Position
2001 - 2002	Nathan Qi, MD, PhD	UCSF postdoc	Research/Scholarly Mentor, Project Mentor, Career Mentor	Research supervision	
2002 - 2003	Petr Mlejnek, PhD	UCSF postdoc	Research/Scholarly Mentor, Project Mentor	Research supervision	
2004 - 2006	Ken Sugimoto, PhD	UCSF postdoc	Research/Scholarly Mentor, Project Mentor, Career Mentor	Research supervision	
2005 - 2007	M Hyakukoku, MD, PhD	UCSF postdoc	Research/Scholarly Mentor, Project Mentor	Research supervision	
2006 - 2008	Koichi Yamamoto, MD	UCSF postdoc	Research/Scholarly Mentor, Project Mentor, Career Mentor	Research supervision	

Dates	Name	Fellow	Mentor Role	Faculty Role	Current Position
2009 - 2011	Takashi Kajiya, MD	UCSF postdoc	Research/Scholarly Mentor, Project Mentor, Career Mentor	Research supervision	
2011 - 2011	Christopher Liverman, MD	UCSF resident	Co-Mentor/Clinical Mentor	Clinical rotation supervisor	
2011 - 2011	Michael Bonham, MD, PhD	UCSF resident	Co-Mentor/Clinical Mentor	Clinical rotation supervisor	
2011 - 2011	Tab Toochinda, MD	UCSF resident	Co-Mentor/Clinical Mentor	Clinical rotation supervisor	
2012 - 2012	Taylor Sittler, MD, PhD	UCSF resident	Co-Mentor/Clinical Mentor	Clinical rotation supervisor	
2012 - 2012	Cyril Jacquot, MD	UCSF resident	Co-Mentor/Clinical Mentor	Clinical rotation supervisor	
2012 - 2012	Benjamin Buelow, MD	UCSF resident	Co-Mentor/Clinical Mentor	Clinical rotation supervisor	
2012 - 2012	Yuna Kang, MD	UCSF resident	Co-Mentor/Clinical Mentor	Clinical rotation supervisor	
2012 - 2012	Jessica Davis, MD	UCSF resident	Co-Mentor/Clinical Mentor	Clinical rotation supervisor	
2013 - 2013	Mike Lindsey, MD	UCSF resident	Co-Mentor/Clinical Mentor	Clinical rotation supervisor	
2013 - 2013	Patty Goldhoff, MD	UCSF resident	Co-Mentor/Clinical Mentor	Clinical rotation supervisor	
2013 - 2013	Kathleen Yang, MD	UCSF fellow, gynecologic oncology	Project Mentor	Thesis advice	

Dates	Name	Fellow	Mentor Role	Faculty Role	Current Position
2013 - 2013	Tara Saunders, MD	UCSF resident	Co-Mentor/Clinical Mentor	Clinical rotation supervisor	
2013 - 2013	Jonathan Esensten, MD	UCSF resident	Co-Mentor/Clinical Mentor	Clinical rotation supervisor	
2014 - 2014	Christy Perez-Valles, MD	UCSF resident	Co-Mentor/Clinical Mentor	Clinical rotation supervisor	
2014 - 2014	Jamal Benhamida, MD	UCSF resident	Co-Mentor/Clinical Mentor	Clinical rotation supervisor	
2014 - 2014	Jonee Taylor, MD	UCSF resident	Co-Mentor/Clinical Mentor	Advice on lecture preparation/presentation	
2014 - 2014	Joshua Menke, MD	UCSF resident	Co-Mentor/Clinical Mentor	Clinical rotation supervisor	
2014 - 2014	Carey Eberle, MD	UCSF resident	Co-Mentor/Clinical Mentor	Clinical rotation supervisor	
2015 - 2015	Zhen Yan, MD	UCSF resident	Co-Mentor/Clinical Mentor	Clinical rotation supervisor	
2015 - 2015	Michele Moh, MD	UCSF resident	Co-Mentor/Clinical Mentor	Clinical rotation supervisor	
2015 - 2015	Jessica Farrell, MD	UCSF resident	Co-Mentor/Clinical Mentor	Clinical rotation supervisor	
2015 - 2015	Alexander Thurman, MD	UCSF resident	Co-Mentor/Clinical Mentor	Clinical rotation supervisor	
2015 - 2015	Anna Plourde, MD	UCSF resident	Co-Mentor/Clinical Mentor	Clinical rotation supervisor	

Dates	Name	Fellow	Mentor Role	Faculty Role	Current Position
2015 - 2015	Wei Gu, MD, PhD	UCSF resident	Career Mentor, Co-Mentor/Clinical Mentor	Clinical rotation supervisor	
2016 - 2016	Boris Getman, MD	UCSF resident	Co-Mentor/Clinical Mentor	Clinical rotation supervisor	
2016 - 2016	Nicole Therrien, MD	UCSF resident	Co-Mentor/Clinical Mentor	Clinical rotation supervisor	
2016 - 2016	Jeanette Ruiz, MD	UCSF resident	Co-Mentor/Clinical Mentor	Clinical rotation supervisor	
2016 - 2016	Nancy Greenland, MD	UCSF resident	Co-Mentor/Clinical Mentor	Clinical rotation supervisor	
2016 - 2016	Arash Eslami, MD	UCSF resident	Career Mentor, Co-Mentor/Clinical Mentor	Clinical rotation supervisor	
2016 - 2016	Dianna Ng, MD	UCSF resident	Co-Mentor/Clinical Mentor	Clinical rotation supervisor	
2017 - 2017	Emily Waterhouse, MD	UCSF resident	Co-Mentor/Clinical Mentor	Clinical rotation supervisor	
2017 - 2017	Daniel Graham, MD	UCSF resident	Co-Mentor/Clinical Mentor	Clinical rotation supervisor	
2017 - 2017	Joshua Anderson, MD	UCSF resident	Co-Mentor/Clinical Mentor	Clinical rotation supervisor	
2017 - 2017	Jacob Spector, MD	UCSF resident	Co-Mentor/Clinical Mentor	Clinical rotation supervisor	
2017 - 2017	Dana Balitzer, MD	UCSF resident	Co-Mentor/Clinical Mentor	Clinical rotation supervisor	

Dates	Name	Fellow	Mentor Role	Faculty Role	Current Position
2018 - 2018	Nicholas Ladwig, MD	UCSF resident	Co-Mentor/Clinical Mentor	Clinical rotation supervisor	
2018 - 2018	Jeffrey Whitman, MD	UCSF resident	Career Mentor, Co-Mentor/Clinical Mentor	Clinical rotation supervisor	
2018 - 2019	Filip Jezek, PhD	Postdoctoral student Dept of Pathophysiology, Charles University, Prague	Research/Scholarly Mentor, Career Mentor	Research co-supervisor	
2018 - 2018	Kent Truong, MD	UCSF resident	Co-Mentor/Clinical Mentor	Clinical rotation supervisor	
2018 - 2018	Brian Shy, MD, PhD	UCSF resident	Co-Mentor/Clinical Mentor	Clinical rotation supervisor	
2018 - 2018	Daniel Martig, MD	UCSF resident	Co-Mentor/Clinical Mentor	Clinical rotation supervisor	
2018 - 2018	Jeffrey Cannatella, MD	UCSF resident	Co-Mentor/Clinical Mentor	Clinical rotation supervisor	
2019 - 2019	Karen Zeigler, MD	UCSF resident	Co-Mentor/Clinical Mentor	Clinical rotation supervisor	
2019 - 2019	Emilio Ramos, MD, PhD	UCSF resident	Co-Mentor/Clinical Mentor	Clinical rotation supervisor	
2019 - 2019	Sagar Bapat, MD, PhD	UCSF resident	Co-Mentor/Clinical Mentor	Clinical rotation supervisor	
2019 - 2019	Greg Goldof, MD, PhD	UCSF resident	Co-Mentor/Clinical Mentor	Clinical rotation supervisor	

Dates	Name	Fellow	Mentor Role	Faculty Role	Current Position
2019 - 2019	Daiva Mattis, MD	UCSF resident	Co-Mentor/Clinical Mentor	Clinical rotation supervisor	
2019 - 2019	Andrew Levine, MD, PhD	UCSF resident	Co-Mentor/Clinical Mentor	Clinical rotation supervisor	
2020 - 2020	Lauren Eversmeyer, MD	UCSF resident	Co-Mentor/Clinical Mentor	Clinical rotation supervisor	
2020 - 2020	Hannah Lee, MD	UCSF resident	Co-Mentor/Clinical Mentor	Clinical rotation supervisor	
2020 - 2020	Joanna Balcerek, MD	UCSF resident	Co-Mentor/Clinical Mentor	Clinical rotation supervisor	
2020 - 2020	Nicole Croom, MD	UCSF resident	Co-Mentor/Clinical Mentor	Clinical rotation supervisor	
2021 - 2021	Marietya Law, MD	UCSF resident	Co-Mentor/Clinical Mentor	Clinical rotation supervisor	
2021 - 2021	Katie Sheahon, MD	UCSF resident	Co-Mentor/Clinical Mentor	Clinical rotation supervisor	
2021 - 2021	Jordan Taylor, MD	UCSF resident	Co-Mentor/Clinical Mentor	Clinical rotation supervisor	
2021 - 2021	Erron Titus, MD, PhD	UCSF resident	Co-Mentor/Clinical Mentor	Clinical rotation supervisor	
2021 - 2022	Mimansa Geere, MD	UCSF resident	Co-Mentor/Clinical Mentor	Clinical rotation supervisor	
2022 - 2022	Tyler Jankowski, MD	UCSF resident	Co-Mentor/Clinical Mentor	Clinical rotation supervisor	

Dates	Name	Fellow	Mentor Role	Faculty Role	Current Position
2022 - 2022	Brent Molden, MD	UCSF resident	Co-Mentor/Clinical Mentor	Clinical rotation supervisor	
2021 - 2022	Simone Arvisais-Anhalt, MD	UCSF clinical informatics fellow	Career Mentor, Co-Mentor/Clinical Mentor	Clinical service supervisor	

FACULTY MENTORING

Dates	Name	Position while Mentored	Mentor Type	Mentoring Role	Current Position
2001 - 2002	Jeff Chan, MD, PhD	Adjunct Professor UCSF	Research/Scholarly Mentor	Career advice	
2001 - 2002	Elizabeth St. Lezin, MD	Assistant Professor UCSF	Research/Scholarly Mentor, Career Mentor	Career advice	
2002 - 2004	R. DiNicolantonio, PhD	Lecturer Melbourne University	Research/Scholarly Mentor	Review of grant applications	
2001 - 2006	Michal Pravenec, PhD	Visiting Professor UCSF	Research/Scholarly Mentor	Research collaborator and advisor	
2004 - 2013	Jeff Chan, MD, PhD	Asst/Assoc Professor UC Irvine	Career Mentor	Career advice	
2005 - 2005	Deanna Kroetz, PhD	Assoc. Professor UCSF	Project Mentor	Review of grant application	
2006 - 2008	Nathan Qi, MD, PhD	Assistant Professor, Univ of Michigan	Research/Scholarly Mentor, Project Mentor	Grant and research advice	
2009 - 2009	Kazutoshi Miyashita, MD	Assistant Professor, Keio University	Research/Scholarly Mentor, Project Mentor	Research advice	

Dates	Name	Position while Mentored	Mentor Type	Mentoring Role	Current Position
2011 - 2014	Mark Seielstad, PhD	Associate Professor, UCSF	Career Mentor	Career and promotion advice	
2007 - 2020	Ken Sugimoto, MD	Assistant Professor, Osaka University	Research/Scholarly Mentor, Career Mentor	Research advice	
2008 - 2020	Koichi Yamamoto, MD	Assistant Professor, Osaka University	Research/Scholarly Mentor, Career Mentor	Research and career advice	
2012 - 2022	Deborah French, PhD	Associate Professor, UCSF	Career Mentor, Co-Mentor/Clinical Mentor	Career advice and support	
2022 - present	Simone Arvisais-Anhalt	Assistant Professor, UCSF	Career Mentor, Co-Mentor/Clinical Mentor	Career advice and support	

VISITING FACULTY MENTORED

1999 - 2000	Allyn Mark, MD, Professor of Medicine	University of Iowa College of Medicine
2000 - 2008	Michal Pravenec, PhD	Charles University and Czech Academy of Sciences

RESEARCH AND CREATIVE ACTIVITIES

RESEARCH AND CREATIVE ACTIVITIES SUMMARY

RESEARCH AWARDS - Current

1. Praemium Academiae Award	International Coinvestigator	Donated 10 % effort	Pravenec (PI)
Academy of Sciences of the Czech Republic		1/1/2016	12/31/2023
Molecular-based hemodynamic mechanisms of salt-dependent hypertension		\$ 250,000 direct/yr 1	\$ 1,250,000 total
Molecular, physiologic, and computer modeling studies of the hemodynamic mechanisms of experimental forms of salt-dependent hypertension			

Contributor to experimental designs, data analysis, and computer modeling studies, and manuscript writing

RESEARCH AWARDS - PAST

1. A126012	Principal Investigator	5 % effort	Kurtz (PI)
Sanofi Pharmaceuticals		7/31/2014	6/30/2016
Electrophoresis Study of SAR650984 and Anti-SAR Antibody		\$ 15,000 direct/yr 1	\$ 45,000 total
Capillary and immunofixation electrophoresis analysis of a novel therapeutic monoclonal antibody			
Design, supervision, and analysis of the experiments			
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2. RO1 HL56028	Kurtz PI		
NIH/NHLBI		01/01/1996	12/31/2013
New Experimental Models of Hypertension		\$ 250,000 direct/yr 1	\$ 4,250,000 total
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3. PO1 HL35018	Kurtz unit PI		
NIH/NHLBI		04/30/2003	05/01/2008
Unit: Genetics of Risk Factor Clustering in Hypertension		\$ 250, 000 direct/yr 1	\$ 1,250,000 total
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4. RO1 HL63709	Kurtz PI		
NIH/NHLBI		09/01/2000	08/31/2005
Why do Metabolic Risk Factors Cluster in Hypertension		\$ 250,000 direct/yr 1	\$ 1,250,000 total
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5. RO1 HL56608	Kurtz PI		
NIH/NHLBI		08/01/2000	07/31/2005
Kidney Specific Gene Transfer in Hypertension		\$ 250,000 direct/yr 1	\$ 1,250,000 total

PEER REVIEWED PUBLICATIONS

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1. REVIEW ARTICLES/COMMENTARIES, BOOK CHAPTERS, AND LETTERS

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