

**University of California, San Francisco**  
**CURRICULUM VITAE**

**Name:** Douglas C Bauer, MD  
**Position:** Professor of Medicine and Epidemiology & Biostatistics  
School of Medicine  
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**EDUCATION**

1974 - 1978	University of the Pacific, Stockton, California	BS	Cum Laude, Chemistry and Biology
1978 - 1982	University of Colorado School of Medicine, Denver, Colorado	MD	Medicine with Honors
1982 - 1985	University of California, San Francisco	Intern and Resident	Primary Care Internal Medicine
1990 - 1992	San Francisco VA Medical Center, San Francisco, California	Fellowship	General Internal medicine and Clinical Epidemiology

**LICENSES, CERTIFICATION**

1983	Licensed, State of California
1986	Diplomat, American Board of Internal Medicine

**PRINCIPAL POSITIONS HELD**

1985 - 1986	UCSF	Clinical Instructor	Medicine
1986 - 1987	UCSF	Assistant Clinical Professor	Medicine
1992 - 1992	UCSF	Adjunct Instructor	Medicine and Epidemiology & Biostatistics
1992 - 1994	UCSF	Assistant Adjunct Professor	Medicine and Epidemiology &

			Biostatistics
1994 - 2001	UCSF	Assistant Professor	Medicine and Epidemiology & Biostatistics
2001 - 2005	UCSF	Associate Professor	Medicine and Epidemiology & Biostatistics
2005 -present	UCSF	Professor	Medicine and Epidemiology & Biostatistics

### HONORS AND AWARDS

1977	Phi Kappa Phi
1978	Ellen Deering Award for the Highest GPA in Graduating Class
1980	CIBA Award for Outstanding Community Service
1981	Alpha Omega Alpha
1981	Denver Medical Auxiliary Award
1993	Nominated, Kaiser Award for Excellence in Teaching, UCSF
1993	Crede Award for Excellence in Teaching, DGIM, UCSF
1995	Nominated, Housestaff Teaching Award, UCSF Medical Housestaff
1996	Young Investigator Award, World Congress on Osteoporosis, Amsterdam
2000	Elected, Western Society for Clinical Investigation
2003	Exceptional Reviewer, Annals of Internal Medicine
2006	Exceptional Reviewer, Annals of Internal Medicine
2008	Exceptional Reviewer, Annals of Internal Medicine
2004	Nominated, Mentor of the Year Award, Bay Area Clinical Research Symposium, San Francisco, CA
2004	STAR Award, UCSF Medical Center
2004	Nominated, Crede Award for Clinical Research, DGIM, UCSF
2004	Nominated, Crede Award for Clinical Care, DGIM, UCSF
2005	Nominated, Kaiser Award for Excellence in

	Teaching, UCSF
2005	Nominated, Crede Award for Teaching, DGIM, UCSF
2006	Nominated, Crede Award for Teaching, DGIM, UCSF
2006	Nominated, Crede Award for Clinical Care, DGIM, UCSF
2007	STAR Award, UCSF Medical Center
2007	Crede Award for Excellence in Clinical Research, DGIM, UCSF
2008	Resident Research Mentoring Award, Department of Medicine, UCSF
2009	Resident Research Mentoring Award, Department of Medicine, UCSF
2010	Crede Award for Excellence in Community Service, DGIM, UCSF

## PROFESSIONAL ACTIVITIES

### SUMMARY OF CLINICAL ACTIVITIES

I am an Attending Physician and provide continuity care (one half day per week) for a panel of about 350 adults in the General Medicine Practice at the Mt Zion campus.

### PROFESSIONAL ORGANIZATIONS

#### Memberships

- 1981 - present American College of Physicians
- 1985 - present Society for General Internal Medicine
- 1991 - present Society for Bone and Mineral Research
- 1997 - present American Thyroid Association

#### Service to Professional Organizations

1995 - 1995	"Ultrasound assessment of bone" British Columbia Health Research Foundation, BC Canada	Member, Special Review Committee
1997 - 1999	National Osteoporosis Foundation (Chair, Ann Looker, NHANES), Advisory Committee on Biochemical Markers of Bone Turnover	Member, Advisor
1998 - 2001	Society of General Internal Medicine, National/International Meeting Abstract	Reviewer

2001 - 2001	American Board of Internal Medicine, Osteoporosis Practice Improvement Committee	Member
2001 - 2004	Western Society of Clinical Investigation	Council member
2001 - present	Society of Bone and Mineral Research, National/International Meeting Abstract	Reviewer
2003 - 2003	International Osteoporosis Foundation, National/International Meeting Abstract	Reviewer
2003 - 2009	American Thyroid Association, Bylaws Committee	Member
2004 - 2004	International Osteoporosis Foundation, National/International Meeting Abstract	Reviewer
2004 - 2004	European Calcified Tissue Society, National/International Meeting Abstract	Reviewer
2005 - present	National Osteoporosis Foundation	Member, Scientific Advisory Council
2005 - present	National Osteoporosis Foundation	Member, Grant Review Committee
2008 - 2008	American Society for Bone and Mineral Research (ASBMR)	Member, Publications Committee
2008 - 2008	International Osteoporosis Foundation, National/International Meeting Abstract	Reviewer
2009 - 2011	American Society of Bone and Mineral Research, Denver, CO, Annual Meeting Poster Session Tour	Leader
2011 - present	International Osteoporosis Foundation (IOF)	Member, Committee of Scientific Advisors
2013 - present	National Osteoporosis Foundation	Board of Trustees

**SERVICE TO PROFESSIONAL PUBLICATIONS**

- Peer review for New England Journal of Medicine, JAMA, Annals of Internal Medicine, Osteoporosis International, Journal of General Internal Medicine, Journal of Bone and Mineral Research, Archives of Internal Medicine, American Journal of Epidemiology, Circulation, Diabetes Care, Journal of Women's Health, Journal of the American Geriatrics Society, Thyroid, Journal of Clinical Endo. and Metabolism

2009 - present Editorial Board, Journal of Clinical Endocrinology and Metabolism

**INVITED PRESENTATIONS**

INTERNATIONAL

- 1994 "Risk factors for fracture," Canadian Metabolic Bone Disease Medical Advisory Council, Santa Fe, New Mexico, May 1994.
- 1994 "Thyroid dysfunction and osteoporosis," Department of Endocrinology, University of Toulouse, Toulouse, France,

- June 1994.
- 1994 "Risk factors for osteoporotic fractures," Department of Rheumatology, Hopital Edouard Herriot, Lyon, France, June 1994.
- 1995 Visiting Professorship, University of Vancouver, BC, March 1995. Radiology Grand Rounds, "Quantitative ultrasound: a new diagnostic test for osteoporosis." Endocrine Grand Rounds, "Determinants of axial bone mass in older women."
- 1996 Visiting Professorship, University of Calgary, Alberta, March 1996. Radiology Grand Rounds "Bone ultrasound: prospective results for fracture prediction." Endocrinology Grand Rounds "Risk factors for osteopenia and fracture."
- 1996 "A global view of the epidemiology of osteoporosis," Congreso Sociedad Espanola de Epidemiologia, Zaragoza, Spain, October 1996.
- 1997 "Quantitative ultrasound in the assessment of bone quality and fracture risk," Annual Scientific Meeting, Canadian Multicenter Osteoporosis Study (CAMOS), Montreal, Quebec, April 1997.
- 1997 "Fracture risk reduction with alendronate: the Fracture Intervention Trial," FIGO World Congress of Gynecology and Obstetrics, Copenhagen, Denmark, August 1997.
- 1997 "Diagnosis and treatment of osteoporosis," 8th Annual Meeting of the Argentina Society of General Internal Medicine, Buenos Aires, Argentina, November 1997.
- 1997 "Update on thromboembolism," 8th Annual Meeting of the Argentina Society of General Internal Medicine, Buenos Aires, Argentina, November 1997.
- 1999 "Clinical utility of quantitative ultrasound," Third International Congress on Osteoporosis, Xi'an, China, March 1999.
- 2000 "Osteoporosis risk assessment in the new millennium," Bone Measurement Institute, Vancouver BC, Canada, February 2000.
- 2000 "Prediction of bone loss and fractures," Bone Markers: Biochemical and Clinical Perspectives, University of Sheffield and F. Hoffmann-La Roche, Geneva, Switzerland, March 2000.
- 2001 "Statins and bone," Canadian Osteoporosis Medical Advisory Council, Vienna, Austria, April 2001.
- 2001 "Bone turnover and fracture," Department of Rheumatology, Hopital Edouard Herriot, University of Lyon, France, October 2001.

- 2002 "Biochemical markers of bone turnover and osteoporosis," Department of Endocrinology, University Geneva, Switzerland, February 2002.
- 2002 "Osteoporosis," Visiting Professor, University of Lausanne, Switzerland, August 2002.
- 2006 "Building a research career" and "Update on osteoporosis," 74th Annual Assembly of the Swiss Society of Internal Medicine, Lausanne, Switzerland, May 2006.
- 2007 "Clinical and research applications of bone turnover markers," Visiting Professor, University of Toronto, Canada, March 2007.
- 2007 "Thyroid and bone," Endocrine Grand Rounds, University of Toronto, Canada, March 2007.
- 2007 "The reality of biomarkers in osteoporosis," Bone Interest Group of the Osteoporosis Centre of B.C. and the Women's Health Centre, Vancouver, Canada, October 2007.
- 2007 "Clinical utilization of BMD and biochemical markers in osteoporosis, Endocrine Grand Rounds, McGill University, Montreal, Canada, November 2007.
- 2007 "Biochemical markers and fracture risk," Centre de Rhumatologie et d'ostéoporose de Québec, Québec, Canada, November 2007.
- 2007 "Biochemical markers to identify women at high risk of fracture," Department of Medicine Grand Rounds, Centre Hospitalier de l'Université de Montreal, Montreal, Canada, November 2007.
- 2010 "Pharmacologic Therapy After Hip Fracture: Pros and Cons," International Symposium on Post Hip Fracture Care, University of Zurich, Zurich, Switzerland, February 2010.
- 2010 "Developing a Clinical Trials Coordinating Center: the UCSF Experience," University of Lausanne, Lausanne, Switzerland, February 2010.
- 2012 "Osteoporosis Therapy: When to Stop," 6th International Conference on Osteoporosis and Bone Research, Xi'an, China, September 2012.
- 2013 "Calcium Supplementation: Good for the Bones and Bad for the Heart?" Rheumatology Grand Rounds, University of Lyon, Lyon, France, February 2013.
- 2013 "Update on the Clinical Utility of Bone Turnover Markers" Danish Bone Society, Odense, Denmark, May 2013.
- 2013 "Anti-Fracture Treatments: When to Stop," Endocrine Grand Rounds, University of Lausanne, Lausanne,

Switzerland, June 2013.

## NATIONAL

- 1999 "Clinical utility of biochemical markers of bone turnover," Biochemical Markers Interest Group, Annual Meeting of the American Society for Bone and Mineral Research, St. Louis, September 1999.
- 2000 "Biochemical markers of bone remodeling," NIH Consensus Development Conference on Osteoporosis, Bethesda, March 2000.
- 2002 "Osteoporosis." Update in Clinical Medicine, Scottsdale, Arizona, November 2002.
- 2003 "Update on quantitative ultrasound and biochemical markers," NIH Bone Quality Planning Meeting, Bethesda, MD, August 2003.
- 2003 "What are the predictors of anti-fracture efficacy?" Satellite Symposia, American Society of Bone and Mineral Research Annual Meeting, Minneapolis, September 2003.
- 2004 "Biochemical markers of bone turnover," 5th Annual Bone Day: Modern Approaches to Diagnosis and Treatment of Osteoporosis, University of Cincinnati, Cincinnati, April 2004.
- 2004 "Combination therapy for osteoporosis: anabolics and anti-resorptives." 34th Sun Valley Workshop on Skeletal Tissue Biology, Sun Valley, Idaho, August 2004.
- 2004 "Are bone marker measurements on the verge of becoming clinically useful? A debate. Pro: R Eastell. Con: DC Bauer." Biochemical Marker Interest Group, annual meeting of the American Society of Bone and Mineral Research, Nashville, September 2004.
- 2005 "Biomarkers in the assessment of osteoporosis," 19th Annual Osteoporosis Symposia of the Metabolic Bone Disease Society of Colorado, Denver, Colorado, September 2005.
- 2007 "The long-term safety and efficacy of bisphosphonates," Satellite Symposia, National Osteoporosis Foundation 7th International Symposium on Osteoporosis: Translating Research Into Practice, Washington DC, April 2007.
- 2007 "The epidemiology of thyroid disease in the elderly," Thyroid Disease in Older Adults, American Thyroid Association Spring Symposia, Washington DC, May 2007.
- 2008 "Subclinical hypothyroidism and clinical cardiovascular

disease," and "Thyrotoxicosis and the skeleton: how bad for the bones?" Cardiovascular and Metabolic Issues in Patients with Thyroid Dysfunction." American Thyroid Association Spring Symposium, Washington DC, March 2008.

- 2008 "Advances in biochemical markers of bone turnover," North American Menopause Society Annual Meeting, Orlando, Florida, September 2008.
- 2008 "Biomarkers for osteoporosis diagnosis and management," National Osteoporosis Foundation Regional Meeting, Chicago, IL, October 2008.
- 2008 "Biomarkers for osteoporosis diagnosis and monitoring," National Osteoporosis Foundation Regional Meeting, Houston, Texas, November 2008.
- 2009 "Sarcopenia biomarkers," Global Experts Meeting, Merck, Trenton, New Jersey, April 2009.
- 2011 "Discontinuation of bisphosphonates," FDA Advisory Committee for Reproductive Health Drugs and the Drug Safety and Risk Management Advisory Committee, Bethesda Maryland, September 2011.

#### REGIONAL AND OTHER INVITED PRESENTATIONS

- 1993 "Thyroid hormone, uses and abuses," Advances in Internal Medicine, UCSF Department of Medicine Continuing Education Programs, San Francisco, California, May and June 1993.
- 1995 "New developments in thromboembolic disease," Primary Care Medicine Update 95. UCSF Department of Medicine Continuing Education Programs, Maui, Hawaii, April 1995.
- 1995 "TSH and free thyroxine in outpatients: an example of diagnostic redundancy," UCSF Laboratory Medicine Grand Rounds, San Francisco, California, August 1995.
- 1995 "Evaluation and treatment of sleep disorders" Primary Care Grand Rounds, UCSF Division of General Internal Medicine, November 1995.
- 1995 "Osteoporosis," Grand Rounds, Alexian Brothers Hospital, San Jose, California, December 1995.
- 1996 "Sleep disorders in primary care," Grand Rounds, California Pacific Medical Center, San Francisco, California, April 1996.
- 1996 "Clinical dilemmas in thyroid disease," The American College of Physicians Annual Meeting Pre-session Course, San Francisco, California, April 1996.
- 1996 Co-moderator and speaker, "What's new in osteoporosis



- treatment and diagnosis," The Endocrine Society/International Society of Endocrinology Annual Meeting Ancillary Symposia, San Francisco, California, June 1996.
- 1996 "Cancer screening: principles and practice," Essentials of Primary Care. UCSF Department of Medicine Continuing Education Programs, Squaw Valley, California, August 1996.
- 1997 "Results from the Fracture Intervention Trial (FIT)," Disease Management of Osteoporosis Colloquia, Newport Beach, California, March 1997.
- 1997 "Osteoporosis: risk factors and diagnostic techniques," Advances in Endocrinology and Metabolism, UCSF Department of Medicine Continuing Education Programs, San Francisco, California, March 1997.
- 1997 "Osteoporosis update," Management of the Senior Population in an HMO Environment, Zitter Group Center for Outcomes Information, San Francisco, California, March 1997.
- 1998 "Subclinical thyroid disease - new insights from epidemiologic studies," Medical Grand Rounds, UCSF Department of Medicine, March 1998 and San Francisco General Hospital, July 1998.
- 1998 "Osteoporosis: new approaches to diagnosis and treatment," Prevention 98, American College of Preventive Medicine, San Francisco, California, April 1998.
- 1998 "Quantitative ultrasound and fracture risk" Osteoporosis Update 1998, UCSF Department of Radiology Continuing Education Programs, San Francisco, California, May 1998.
- 1998 "Osteoporosis 1998," Sutter Medical Center of Santa Rosa Grand Rounds, Santa Rosa, California, October 1998.
- 1998 "New approaches to the management of congestive heart failure" Primary Care Principles and Practice, UCSF Department of Medicine Continuing Education Programs, San Francisco, California, October 1998.
- 1998 "New developments in osteoporosis," Annual Meeting of the American Academy of Insurance Medicine, San Francisco, California, October 1998.
- 1988 "Defining the treatment: use of placebo vs. active controls," 7th Symposium on Clinical Trials: Design, Methods and Controversies, UCSF School of Medicine Continuing Medical Education Programs, San Francisco, California, October 1988.

- 1998 "Current therapy of osteoporosis," Metabolic Bone Study Group, 62nd National Scientific Meeting of the American College of Rheumatology, San Diego, California, November 1998.
- 1999 "Designer estrogens and non-hormonal treatments for osteoporosis," Embracing Menopause: Traditional and Alternative Approaches, UCSF National Center of Excellence in Women's Health, San Francisco, California, June 1999.
- 1999 "New approaches to the diagnosis and treatment of osteoporosis," Advances in Internal Medicine, UCSF Department of Medicine Continuing Education Programs, San Francisco, California, May and June 1999.
- 2000 "Advances in osteoporosis risk factor assessment," Pri-Med West, Long Beach, April 2000.
- 2000 "Quantitative ultrasound in osteoporosis management," 44th Annual Meeting of the American Institute of Ultrasound in Medicine, San Francisco, April 2000.
- 2002 "Monitoring osteoporosis treatments: useful or misleading," Primary Care Grand Rounds, UCSF Division of General Internal Medicine, October 2002
- 2002 "Thyroid dysfunction and osteoporosis," Institute of Medicine Workshop on Medicare Coverage on Routine Thyroid Screening (Chair: R Wallace), San Diego, California, October 2002.
- 2003 "An update on thyroid conditions in primary care," Obstetrics and Gynecology Update: What Does the Evidence Tell Us? UCSF Department of Continuing Medical Education, San Francisco, California, October 2003.
- 2004 "Biomarkers in osteoporosis research," Department of Health Research and Policy, Division of Epidemiology, Stanford University, March 2004.
- 2004 "Biochemical markers of bone turnover," Osteoporosis: The Basics for Clinicians and Non-clinicians. UCSF Department of Continuing Medical Education, San Francisco, California, July 2004.
- 2006 "Evaluating new and emerging technologies," Symposia Panelist, 29th Annual Meeting of the Society of General Internal Medicine, Los Angeles, California, April 2006.
- 2006 "Surrogate markers," K12 Scholars Symposia, UCSF, San Francisco, California, May 2006.
- 2006 "Modern management of sleep disorders," "Diagnosis and treatment of common thyroid disorders," and "Prevention and treatment of osteoporotic fractures," Essentials of Primary Care: 2006. A Core Curriculum for

- Practice in the Managed Care Era. UCSF Department of Medicine Continuing Education Programs, Lake Tahoe, California, August 2006.
- 2006 "Optimal duration of osteoporosis treatment," 1st Annual Northern California Bone and Mineral Symposium. UCSF Department of Medicine Continuing Education Programs, Napa, California, October 2006.
- 2006 "Current issues in osteoporosis," Primary Care Medicine: Principles and Practice. UCSF Department of Medicine Continuing Education Programs, San Francisco, California, October 2006.
- 2007 "Cancer screening 2007," "Prevention and Treatment of Osteoporotic fractures," and "Sleep disorders," Primary Care Medicine: Update 2007. UCSF Department of Medicine Continuing Education Programs, Maui, Hawaii, April 2007.
- 2007 "Surgical repair of spine fracture," Northern California Bone and Mineral Symposium, Napa, California, October 2007.
- 2007 "Predicting osteoporotic fractures: BMD and beyond," Controversies in Risk Prediction, San Francisco Coordinating Center and UCSF Department of Epidemiology and Biostatistics, San Francisco, California, October 2007.
- 2008 "Biochemical markers and their potential clinical role," "Monitoring of treatment in osteoporosis," and "Who should be treated: clinical recommendations and guidelines," Fourth Annual Osteoporosis: New Insights into Research, Diagnosis and Clinical Care. UCSF Continuing Education Programs, San Francisco, California, July 2008.
- 2008 "Vertebroplasty and kyphoplasty as treatments for vertebral fracture," "Monitoring of treatment for osteoporosis: BMD, bone markers or none of the above?." Fifth Annual Osteoporosis: New Insights into Research, Diagnosis and Clinical Care. UCSF Continuing Education Programs, San Francisco, California, July 2008.
- 2008 "Mastering thyroid diseases," "Modern management of sleep disorders," and "Interpretation of clinical research studies: tricks of the trade." Essentials of Primary Care. UCSF Department of Medicine Continuing Education Programs, Lake Tahoe, California, August 2008.
- 2008 "Building better bones: advances in osteoporosis," Primary Care Medicine: Principles and Practice. UCSF Department of Medicine Continuing Education Programs, San Francisco, California, October 2008.

- 2008 "Subclinical thyroid dysfunction: a clinical update," Endocrine Grand Rounds, UCSF, San Francisco, California, December 2008.
- 2009 "Update on osteoporosis," Obstetrics and Gynecology Update: What Does the Evidence Tell Us? UCSF Continuing Education Programs, San Francisco, California, October 2009.
- 2009 "Update on recent trials and new drugs," Northern California Bone and Mineral Symposium, UCSF Continuing Education Programs, Monterey, California, November 2009.
- 2009 "Building better bones," Controversies in Women's Health, UCSF Department of Medicine Continuing Education Programs, San Francisco, California, December 2009.
- 2009 "Osteoporosis for Obstetricians and Gynecologists," OB-Gyn Grand Rounds, Kaiser Permanente, San Francisco, California, December 2009.
- 2012 "Osteoporosis: update on diagnosis and therapy," Mini-Medical School Lecture Series, UCSF, May, 2012.
- 2000 Bauer DC, "Prevention and treatment of osteoporotic fractures," Audio-digest Obstetrics/Gynecology, 47:6, March 2000.
- 2000 Bauer DC, "Update on Male Osteoporosis." Medscape Women's Health, June 2000. Available at: [http://www.medscape.com/medscape/cno/2000/WCO/Story.cfm?story\\_id=1403](http://www.medscape.com/medscape/cno/2000/WCO/Story.cfm?story_id=1403)
- 2000 Bauer DC, "Statins and bone: basic science confirmed but clinical studies conflicting." Medscape Women's Health, October 2000. Available at: [http://www.medscape.com/medscape/cno/2000/ASBMR/Story.cfm?story\\_id=1682](http://www.medscape.com/medscape/cno/2000/ASBMR/Story.cfm?story_id=1682)
- 2001 Bauer DC, "Osteoporosis in Men" Medscape Women's Health, June 2001. Available at <http://www.medscape.com/viewarticle/420870>.
- 2001 Bauer DC, "Thoughts on thyroid," Audio-Digest Family Practice, 49:09, March 2001.
- 2003 Bauer DC, "Postfracture medical care," Osteoporosis Ask the Expert, Medscape Ob/Gyn and Women's Health, Sept, 2003. Available at: <http://www.medscape.com>
- 2003 Bauer DC, "Biochemical markers of bone turnover for osteoporosis: where do we stand?" Medscape Women's Health, Sept 2003. Available at <http://www.medscape.com/viewarticle/463099>
- 2007 Bauer DC, "Osteoporosis and other bone problems,"

Audio-Digest Family Practice, 55:12, March 2007.

- 2009 Bauer DC, "Monitoring BMD after starting bisphosphonate treatment," Journal Watch General Internal Medicine, August 2009, available at [www.audio-digest.org/jwinstructions](http://www.audio-digest.org/jwinstructions)
- 2009 Bauer DC, "Osteoporosis: know your risk," Patient Power Radio Program, November 2009, available at <http://www.patientpower.info/strongbones/program2.asp>
- 2010 Bauer DC, "Bisphosphonates and atypical hip fractures - how large is the risk?" Journal Watch Editors Podcast, March 27th, 2010, available at <http://podcasts.jwatch.org/index.php/podcast-80-bisphosphonates-and-atypical-hip-fractures-how-large-is-the-risk/2010/03/27/>

### **GOVERNMENT AND OTHER PROFESSIONAL SERVICE**

1989 - 1990	Committee for Residency Training and Clinical Services, Department of Medicine, Stanford Medical Center	Member
1998 - present	Committee for Residency Training and Clinical Services, Department of Medicine, Stanford Medical Center	Member
1999 - 2000	Planning Committee, NIH Consensus Conference on Osteoporosis (Chair, Joan McGowan, NIAMS)	Member
1999 - 1999	"Quantitative ultrasound testing for osteoporosis," Medical Policy Committee on Quality and Technology, Blue Shield of California	Consultant
2000 - 2000	VA Cooperative Studies Evaluation Committee	Ad Hoc Member
2000 - 2005	Data Safety Monitoring Board, Calcium and Vitamin D Malnutrition in Postmenopausal Women (NIH; J. Lapp and R. Recker, PI)	Member
2001 - present	Blue Shield of California Medical Policy Committee on Quality and Technology (4 half-day meeting/yr)	Member
2003 - 2007	NIH Skeletal Biology, Disease and Develop Study Section (S. Kosla, Chairman)(2-3 meetings/yr)	Ad hoc Member
2004 - 2008	NIH Osteoarthritis Biomarker Initiative (Chair: V Kraus)	Member
2004 - 2008	Data Safety Monitoring Board, Heart to Heart Study (NIH, R. Stafford, PI)	Member
2006 - 2009	Data Safety Monitoring Board, Prevention of Postmenopausal Bone Loss with Nitroglycerin (NIH; S. Wimalawansa, PI)	Chair

2006 - present	Biomarker Insights, Libertas Academica Ltd	Editorial Board
2007 - present	Improving Medication Adherence of Osteoporosis (NIH, D. Soloman, PI)	Safety Officer
2007 - present	NIH Skeletal Biology, Disease and Develop Study Section (T. Guiese, Chairman) (2 meetings/yr)	Ad hoc Member
2008 - 2011	NIH Osteoarthritis Initiative (OAI), Biospecimen Review and Allocation Committee	Member
2008 - present	US Bone and Joint Decade Program (yearly 2 day meeting)	Faculty Member and Mentor
2009 - 2013	Data Safety Monitoring Board, Vivamos Activos Study (NIH, R. Stafford, PI)	Chair
2009 - 2009	NIH Kidney, Nutrition, Obesity, and Diabetes Epidemiology Study Section (KNOD)	Ad hoc Member
2009 - 2009	NIH American Recovery and Reinvestment Act (ARRA) Review Committee ZRG1 PSE-J and ZRG1 PSE-C	Ad hoc Member
2009 - present	Primer on Metabolic Bone Diseases and Disorders of Mineral Metabolism, 8th Edition (C. Rosen, editor)	Associate Editor
2012 - present	Working Group on Clinician Education, ASBMR	Member
2013 - present	NIH Neurologic, Aging and Musculoskeletal Epidemiology Study Section (NAME) (4 meetings/yr)	Standing Member

## UNIVERSITY AND PUBLIC SERVICE

### UNIVERSITY SERVICE

#### UCSF CAMPUS-WIDE

2000 - present	Executive Committee, UCSF Coordinating Center	Member
2001 - 2004	Committee on Research, UCSF Academic Senate	Member
2007 - present	UCSF Clinical and Translational Research Training Program	Director of Resident Research
2008 - present	Biostatistics Research Ethics and Design (BREAD), UCSF Clinical and Translational Sciences Institute	Consultant
2008 - present	Clinical and Translational Pathways to Discovery, UCSF	Co-Director
2008 - 2011	Mentor Development Program Grants Seminar, Clinical and Translational Mentor Development Program, UCSF	Panel member
2010 - 2010	Indirect Cost Recovery Task Force, UCSF Academic Senate	Member

2010 - present Bay Area Clinical Research Symposia, UCSF/CPMC Co-Chair

### SCHOOL OF MEDICINE

1984 - 1987 Member, Intern Selection Committee, UCSF Primary Care Internal Medicine Program

1988 - present Member, Intern Selection Committee, UCSF Primary Care Internal Medicine Program

### DEPARTMENTAL SERVICE

1993 - 2000 Clinical Incentive and Productivity Committee, DGIM Member

1998 - 2011 DGIM Faculty Research Seminars (Schedule and facilitate bimonthly faculty presentations) Coordinator

1999 - 2000 DGIM, UCSF Residency Ombudsman

1999 - present Executive Committee, UCSF Division of General Internal Medicine Member

1999 - 2012 UCSF Division of General Internal Medicine Director of Research

2004 - 2005 Master's Committee for [REDACTED] (b) (6) Member

2004 - 2005 Master's Committee for [REDACTED] (b) (6) Chair

2004 - 2005 Division of General Internal Medicine, UCSF Acting Co-Chief

2004 - 2012 Research Faculty Search Committee, DGIM Chair

2008 - present Promotions Committee, Department of Medicine, UCSF Member

### PUBLIC SERVICE

1992 - 1992 Camp Oljado, Boy Scouts of America Staff Physician

1993 - 1999 East Palo Alto California Rotocare Clinic (5 hr./mo.) Volunteer Physician

1994 - 1999 American Youth Soccer (AYSO), Menlo Park, California Head Coach

1997 - 2005 Star Math Program, Menlo-Atherton School District (4 hr./mo.) Tutor

1998 - 2004 Menlo-Atherton Pop Warner Football Board member

2005 - 2006 Lance Armstrong Foundation Grant reviewer

2006 - present Collective Roots, East Palo Alto, CA Volunteer

## RESEARCH AND CREATIVE ACTIVITIES

### RESEARCH AWARDS

#### CURRENT

K24 AR051895 (PI)	12/01/2005 - 04/01/2016
NIH	
Biomarker Research in Musculoskeletal Disease	\$635,237 total
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RO1-2803205 (PI)	04/01/2005 - 05/01/2014
NIH, UCSF Subcontract, Katie Stone-Calif Pacific Medical Center	
Outcomes of Sleep Disorders in Older Men	\$50,692 total
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No Number (PI)	04/01/2008 - 04/01/2012
NIH, UCSF Subcontract-Wake Forest	
Vitamin D, Falls, Fracture and Function in Community-Dwelling Adults	\$total funding \$11, 956 total
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AG62106 (Co-investigator)	04/01/2004 - 02/01/2013
NIH	
Dynamics of Health, Aging and Body Composition (Health ABC)	\$806,927 total
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AG05407 (Co-investigator)	02/01/1986 - 08/01/2016
NIH	
Study of Osteoporotic Fractures (SOF)	\$13,400,000 total
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AG18197 (Co-investigator)	09/01/1999 - 06/01/2014
NIH	
Osteoporotic Fractures in Men (MrOS)	\$6,800,000 total
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R34 AG033669 (PI)	06/01/2010 - 06/01/2013
NIH/NIA	
Planning Grant for a Multicenter Study of Subclinical Hypothyroidism	\$103,000 total

#### PAST

K08, Clinical Investigator Award (PI)	07/01/1994 - 07/01/1997
NIH	



Thyroid Function and Osteoporosis	\$220,320 total
No Number (PI)	09/01/2000 - 09/01/2004
NCI	
Breast Cancer and Osteoporosis in Older Women	\$1,900,000 total
AG62106 (PI)	03/01/1996 - 03/01/2005
NIH	
Dynamics of Health, Aging and Body Composition (Health ABC) Energy Expenditure Ancillary Study	\$527,941 total
(b) (4)	
No Number (PI)	11/01/2005 - 12/01/2009
UCSF Subcontract, California Pacific Medical Center	
Cardiovascular Event and Death Adjunction for AMG 162 (Amgen)	\$537,664 total
AR050900 (PI)	09/01/2003 - 09/01/2009
NIH, UCSF Subcontract, Boston University	
Biomarkers in Osteoarthritis MRI Studies	\$351,000 total
110910-2 (PI)	09/01/2005 - 07/01/2010
NCI/Avon Foundation, UCSF Subcontract Cauley-University of Pittsburgh.	
for Estradiol, Cytokines, and Bone Turnover-Effects on Fracture	\$36,689 total
R01 DK69514 (Co-investigator)	09/01/2005 - 06/01/2010
NIH	
Intensive Glycemic Control and Skeletal Health	\$499,842 total
NO1-WH-74318 (PI)	01/01/2007 - 01/01/2011
NIH, UCSF Subcontract, Cauley, University of Pittsburg	
Biochemical Antecedents of Fracture in Minority Women	\$25,266 total
No Number (PI)	07/01/2005 - 07/01/2011
NIH, UCSF Subcontract, Calif Pacific Research Center)	
Folic Acid & B Vitamins to Prevent Fractures in Women	\$45,361 total
RO1AR052862 (PI)	04/01/2006 - 02/01/2011

NIH

Bone Turnover and Fracture Risk in Men

\$921,182 total

R34 AG033669 (PI)

06/01/2010 - 06/01/2013

NIH/NIA

Planning Grant for a Multicenter Study of Subclinical Hypothyroidism

\$103,000 total

**PEER REVIEWED PUBLICATIONS**

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