



BIOSKETCH

Dr. Nadim Z. Baba, DMD, MSD, FACP

Professor and Director Hugh Love Center for Research and Education in Technology

Loma Linda University, Loma Linda, CA

nbaba@llu.edu

(909) 992-2981

Education:

BA, Political science, Concordia University, Montréal, Québec, Canada.

D.M.D., University of Montréal, Montréal, Québec, Canada.

CAGS, MS, Boston University, Goldman School of Dental Medicine, Boston, Massachusetts.

Activities with ACP

Member of The American College of Prosthodontists since 1996.

2007-2010	President, California section
2010	Member, Private Practice Manual Task Force
2010	Member, Nominating Committee
2010-2014	Director, Region 5 Pacific
2011 & 2012	Member, Task Force Section Sponsorship ACP CPE Course
2012	Member, Judicial Committee
2011-2013	Member, National Prosthodontics Awareness Week task force
2011-2013	Co-Chair, ACPEF Annual Appeal
2015	Member, Strategic plan Task Force
2015	Vice Chair, Continuing Education Committee
2015	Member, National Prosthodontics Awareness Week task force
Contributor, Board Preparation Course	
Contributor, Transitioning to Private Practice course	

Loma Linda University:

Professor, Department of Restorative Dentistry

Director, Hugh Love Center for Research and Education in Technology (a six operator clinic designed to resemble a state-of-the-art dental office equipped through the generous gifts of six different dental manufacturers).

Course contributor and course director for several courses at the undergraduate and postgraduate level.

Lecture presentations: Over 80 presentations nationally and internationally.

Publications: Authored over twenty-five papers, abstracts and book chapters.

Research: advisor, PI or co-PI in several research grants.

Other Positions:

- 2012-present Reviewer, Journal of Prosthodontics
- 2015-present Reviewer, Journal of Prosthetic Dentistry
- 2011-present Associate editor, Journal of Dental Traumatology
- Fellow of the Academy of Prosthodontics
- 2012-2016 Chair, George H. Moulton Award Committee, American Academy of Fixed Prosthodontics
- 2014-present Chair, Research in Fixed Prosthodontics, American Academy of Fixed Prosthodontics

- 2016 program chair, American Academy of Fixed Prosthodontics

Honors and awards:

2010 **Dr. Arthur A. Dugoni Faculty Award.** California Dental Association, California.

2009 **Claude R. Baker Faculty Award.** for Excellence in Teaching Pre-Doctoral Fixed Prosthodontics. American Academy of Fixed Prosthodontics, Chicago.

1999 **David J. Baraban Award.** Boston University, Goldman School of Dental Medicine, Department of Restorative Sciences, Boston, Massachusetts.



Curriculum Vitae

Calvani Lino Pasquale, MD, DDS, MSc, CDT, FACP, FICD.

Dr. Calvani achieved his Medical and Dental Degree and Licence at the University La Sapienza in Rome, Italy, where he also achieved an Italian and European Dental Technician Certificate and Licence at the Maggiori Institute of Rome.

He also achieved a two years Certificate in Plastic and Reconstructive Surgery of the Nose, Neck and Face at Scuola Medica Ospedaliera of Rome.

In 1991 he achieved a Postgraduate Certificate in Prosthodontics at TUFTS University School of Dental Medicine, in Boston, Director Professor Gino Passamonti, where he is teaching in the same Department since 1997 as an Adjunct Associate Professor of Prosthodontics and Operative Dentistry, Directors Professor Hiroshi Hirayama, and Professor Kiho Kang.

He achieved also a two years Master Degree in Applied Biomechanics Engineering in the Department of Biomechanical Engineering, the Biomedical Engineering Wolfson Center, at Strathclyde University, Glasgow, Director Professor Eng. Sandy Nicol. (2007-2009)

He is a PhD Candidate on Dental Implants Biomechanics in the Department of Prosthodontics at the University of Thessaloniki, Director Professor Argiris Pissiotis, Greece.

Since 2002 he is a Course Director of two Continuing Education Courses at TUFTS University in “*Full Arch Prosthetic Rehabilitations: Complete Denture Prosthetics*” and in “*Treatment Planning: The Prosthodontic Challenges of Simple Cases and Complicate Rehabilitations*”, in the Department of Continuing Education, Directors: Professor Van Zissi and Samuel Ruth.

He has been lecturing in the Department of Reconstructive Sciences Health Center at University of Connecticut in Farmington, Connecticut, Chair Dr. Thomas Taylor, Director Dr. John Agar and Avinash Bidra, and also in the Department of Advanced Graduate Program in Prosthodontics at Harvard University in Boston, with former Director Dr. Robert Wright.

He is a Former Professor of Prosthodontics with a Contract in the Institute of Normal Anatomy at the University of Siena, School of Dental Medicine, Director Professor Luciano Fonzi, Siena, Italy, (2003-2007).

Also, he has been collaborating in the same Department with Professor Vasilios Kaitsas in Scanning Electron Microscope Researches, both on the Dental-Prostheses Microscopic Interfaces and on the new Enamel-Dentin-Restorative Adhesive Systems.

Dr. Calvani is a Diplomate of the American Board of Prosthodontists, and holds his Board Certification since 2009.

He served as a Prosthodontist and Restorative Professional in a Community Service at Veterans Hospital, Chelsea, Boston, MA, (1990-1991).

Dr. Calvani holds the position of Membership Director of the VII Region, International, of the *American College of Prosthodontists* since 2013 (**ACP**).

He is Co-Founder and President of the Italian Academy of Esthetic Dentistry (**IAED**).

He is Fellow of the *American College of Prosthodontists* (**FACP**); Associate Fellow of the *Academy of Prosthodontists* (**AP**); Associate Fellow of the *Greater New York Academy of Prosthodontics* (**GNYAP**); Fellow of the *International College of Dentists* (**FICD**).

He is an Active Member of the *American Academy of Fixed Prosthodontics* (**AAFP**); *American Prosthodontic Society* (**APS**); *International Association for Dental Research* (**IADR**); *International Society of Biomechanics* (**ISB**); *Academy of Osseointegration* (**AO**); *International Federation of Esthetic Dentistry* (**IFED**).

He is also an Active Member and served as Publication Chairman to the European Academy of Aesthetic Dentistry (**EAED**) for the years 2003 and 2004.

He is a Constituent Member of the *International College of Prosthodontists (ICP)*; Co-Founder of the *Italian College of Prosthodontists (ICP)*, and he is an Associate Member of the *Italian Academy of Prosthetic Dentistry (AIOP)*.

Dr. Calvani is the Co-Founder and President of the Italian Tufts Alumni (**ITA**) and he is the Italian Regional Chairman of the Tufts Prosthodontic Alumni Charitable Organization (**TPACO**) since 2009.

He has been a Member of the Membership Committee of the *International College of Prosthodontists* (2010-13);

He is a Member of the Strategic Planning Committee of the *American Academy Fixed Prosthodontics* (2012-16);

He has been and is a Member of the Scientific Program Organizing Committees of the *American College of Prosthodontists Annual Meetings*: Baltimore 2014, San Diego 2016 (also Conductor);

He has been a Member of the Scientific Program Organizing Committee of the ACP Digital Dentistry Symposium of the *American College of Prosthodontists*, Chicago 2015;

He has been a Member of the Table Clinic Judge Committees of the *American College of Prosthodontists* (2009-2015), and of the *American Academy of Fixed Prosthodontics* (2008-2015);

He is a Member of the Fall Meeting Scientific Committee of the *Greater New York Academy of Prosthodontists*, (2016)

He is a Member of the Scientific Program Organizing Committee of the International Annual Meeting of the *European Academy of Esthetic Dentistry*, Milano 2017;

He is a Member of the National Prosthodontics Awareness Week Task Force, of the *American College of Prosthodontists*;

He is a Member of the *American College of Prosthodontists* Spokespersons Network;

He is a Member of the ICP Professional Relations Committee;

Dr. Calvani is a Former Member of the Editorial Review Board of the *Journal of Dental Implantology and Periodontology* and a Reviewer of the *European Journal of Aesthetic Dentistry*.

He authored and co-authored numerous scientific articles on peer review Journals of Medicine, Dentistry and Prosthodontics.

He is co-authoring a Book in *Complete Denture Prosthodontics* and a book in *Dental Biomechanics*, Quintessence International Editions,

He is active in research, and he has been lecturing extensively at Meetings since 1984 in Europe, Asia, South-Africa and in the USA.

He maintains his Private Office in Rome, limiting his activity to Prosthodontics, Implant and Aesthetic Dentistry. He is Founder and Director of the *Dental Engineering Prosthodontics Center* in Rome, Italy.

Dr. Calvani is a Windsurf Former Master Instructor and Athlete, and Co-founder of the Windsurfing School Hawaiian Surfing in the City of Anzio, Rome, Italy. He run and won numerous Windsurf Competitions, and in the Seventies and Eighties he also competed to the Windsurf European and World Championships, Volume Class, with the Italian Sailboard Team.

He has been Guest and Conductor at Medical and Dental, Regional and National TV Programs in Italy. He has been interviewed by a number of Daily, Weekly and Monthly Italian papers on Dental, Prosthodontic and Facial Esthetics topics.

Dr. Calvani served in the 125° Infantry Regiment of the Italian Air Force, and in the 56° Airborne ANPDI.

Contact Informations

- 1- University - Department of Prosthodontics and Restorative Dentistry, Division of Graduate and Postgraduate Prosthodontics, Tufts University School of DM, Room 1242, 02111, Boston, MA.
Tel. 6176366591, Fax. 6176360469. - lino.calvani@tufts.edu
- 2- Private Office - Dr. Lino Calvani, Dental Engineering srl, Via G. Paisiello, 28 – 00198, Rome, Italy.
Tel. 0013906 8848444 Fax. 0013906 8559992 - l.calvani@alice.it



Farhad Vahidi, DMD, MSD, FACP

I was born in Tehran, Iran and raised in there. I attended Tehran University, School of Dental Medicine and completed the six year program in 1972. Then, I pursued my postdoctoral training in Prosthodontics at New York University, College of Dentistry from 1973-1976 and achieved MSD in Prosthodontics. I became board Certified in 1999 and recertification in 2005 and 2014.

I have been involved in both education and private practice since then. Following my graduation, I returned to Iran and spent 5 years teaching at Tehran University, School of Medicine as well as private practice limited to prosthodontics in Tehran. In 1982, I returned to New York and accepted a teaching position at NYUCD, Department of Prosthodontics. I have been teaching at NYUCD since then. I am a tenured Associate Professor since 1986 and former Director of Advanced Education Program in Prosthodontics for 10 years (2003-2013) and former Director of Advanced Studies in Prosthodontics for International Dentists for more than 20 years (1991-2013). Presently, I teach many courses and I am Director of Honors in Prosthodontics a program that teaches top senior students in prosthodontics and directs them for advanced education in prosthodontics.

I have been involved in private practice limited to prosthodontics since I completed my training and the last 30 years, I am practicing in New York city.

I have served in Council to the American Board of Prosthodontics for eight years and completed my term last year. In addition, I have served in many Committees of Greater New York Academy of Prosthodontics, Academy of Osseointegration and Past President of Northeastern Gnathological Society.

My Curriculum Vitae shows my publications and invited presentations in national and international organizations. I have been involved in education, clinical prosthodontics all my professional career and am fortunate to train many young prosthodontists from across the world.

I am looking forward further serving ACP.



Alvin G. Wee, D.D.S., Ph.D., M.P.H.

Education:

• Doctor of Philosophy (Ph.D.)	University of Nebraska	2014
• Doctor of Dental Surgery (D.D.S.)	Creighton University	2013
• Master of Public Health (M.P.H.)	The Ohio State University	2005
• Certificate in Clinical Research (NIH K30)	The Ohio State University	2002
• Certificate in Maxillofacial Prosthetics	University of Pittsburgh	1998
• Master of Science (M.S.)	The University of Iowa	1997
• Certificate in Prosthodontics	The University of Iowa	1996
• Bachelor of Dental Surgery (B.D.S.)	National University of Singapore	1992

Career:

Dr. Wee has served in dental academics for the past 18 years, holding full-time academic positions for 16 years. His professional career started at The Ohio State University College of Dentistry in 1998, where he was promoted to Associate Professor with tenure in 2004. His academic career continued at the University of Nebraska Medical Center (Department of Otolaryngology – Head and Neck Surgery) and then at Creighton University (Department of Prosthodontics). Dr. Wee was the recipient of several student teaching awards and was the first national recipient of the American Academy of Fixed Prosthodontics' Claude R. Baker Teaching Award for Excellence in Teaching Predoctoral Fixed Prosthodontics. In June of 2014, he accepted a position as Section Head of Maxillofacial Prosthodontics, Veterans Affairs Nebraska-Western Iowa Health Care System in Omaha, Nebraska. He currently treats patients with complex oral rehabilitation needs, including those with head/neck cancer, facial trauma, and obstructive sleep apnea. He continues to teach part time and directs his clinical translational research laboratory as Special Associate Professor in Prosthodontics at Creighton University School of Dentistry.

Scholarship:

Dr. Wee has received research funding as principal investigator (NIH R15 and NIH K23) and co-investigator (NIH R01 and VA RR&D) from the National Institutes of Health, Department of Veteran's Affairs, as well as several other agencies, totaling more than \$2.6 million in grant funding. His publications and expertise focus on the clinical translational aspects of color science with regard to teeth/skin and their respective restorative materials. With the receipt of the Prevent Cancer Foundation fellowship and an NIH K23 award, he has expanded his research focus to early detection of oral and oropharyngeal cancer. Dr. Wee has authored 75 peer-reviewed publications, 56 peer-reviewed abstracts, 18 non-refereed publications, one pending patent and chapters in three textbooks.

Alvin G. Wee, D.D.S., Ph.D., M.P.H.

Service:

Dr. Wee currently holds the following offices: (1) Honorary Treasurer for the International Academy of Oral and Facial Rehabilitation, (2) Recording Secretary for the American Academy of Maxillofacial Prosthetics, and (3) Vice President for the American Association of Dental Research Lincoln / Omaha Section. He also sits on the Board of Councilors for the International Society of Maxillofacial Rehabilitation and is chairing several committees in both national and international organizations. Dr. Wee is currently an Assistant Editor of the *Journal of Prosthetic Dentistry*, Associate Editor for the *Journal of Otolaryngology – Head & Neck Surgery* and has reviewed for more than 20 peer-reviewed journals. He has been invited to present more than 80 presentations both nationally and internationally on various aspects of dentistry.

Service Specifically to the ACP

Dr. Wee has been a member of the ACP for the last 22 years and during that time has served as a member of the (1) Implant committee, (2) National Prosthodontic Awareness Task Force, (3) Task Force on selecting the Associate Editor-in-Chief of the *Journal of Prosthodontics*, (4) ACP Spokesperson's Network and (5) Editorial Review Board for the *Journal of Prosthodontics*. Dr. Wee has also presented at the ACP annual session in 2011 ("Dental Management of Obstructive Sleep Apnea in a Prosthodontic Practice") and served as a moderator for the ACP annual session in 2015. He has also authored two position papers for the ACP:

- **Wee AG**, Scruggs PE, Dixon DL: "Integrity in Prosthodontic Care", February 2015.
- Scruggs PE, **Wee AG**: "Demystifying Dental Specialty Credentials", February 2016.

He has and is serving as Co-Chair of the ACP Education Foundation Annual Appeal (2014 to 2016), and former Vice Chair of the Task Force on Prosthodontic Diagnostic Index. Currently, he is ending his second two-year term on the ACP Board of Directors as Membership Director for Region IV (Rockies / Planes).

Contact Information:

Address: 17018 Cinnamon Circle, Omaha, NE 68135
Email: alvingwee@gmail.com
Mobile: (402) 290-6821

Curriculum Vitae and Bio for: LARS O. BOUMA, D.D.S., M.S., F.A.C.P.

Phone: 405-755-7777 Office, 405-209-1539 Cell

Email: Bouma@implantassociates.net



Personal

Date of Birth: 17 March 1967

Family: Married, Two Children

Present Positions

Private Practice Limited to Prosthodontics

Implant & Prosthodontic Associates

4517 Memorial Circle, Oklahoma City, Oklahoma 73142

Assistant Clinical Professor, Advanced Education in General Dentistry Department

University of Oklahoma College of Dentistry - 2006- Present

1201 N. Stonewall, Oklahoma City, OK 73117

Bio

Dr. Lars Bouma completed his dental education at the Baylor College of Dentistry, Texas A&M Systems 1994. After graduation, he finished a Graduate Practice Residency at the John L. McClellan Veterans Administration in Little Rock. He then commissioned the United States Air Force. After two years, he started the Air Force Prosthodontic Residency at Wilford Hall Medical Center, Lackland Air Force Base. In 2000, he received a certificate in Prosthodontics and a Master of Science degree from the University of Texas Health Science Center at San Antonio. After residency, he was stationed at Offutt Air Force Base. During his six year tenure there, he was Chief of Prosthodontics, Dental Laboratory Flight Commander, Dental Support Flight Commander, and Assistant Director for the AEGD Residency, and Regional Prosthodontic Consultant. In 2006, after eleven years of honorable service, he resigned his commission and now maintains a full-time private practice limited to Prosthodontics in Oklahoma City.

He continues to teach and holds an academic appointment at the University Of Oklahoma College Of Dentistry. He is extremely involved with the American College of Prosthodontists, and has served as Chapter President for two states, and just completed his second term as the Director for the Central Region for the Board of Directors of the ACP. Dr. Bouma also served for many years on the Board of Delegates for the Oklahoma County Dental Society culminating his time as President in 2011. He is a member and presenter for several Study Clubs, and is on the teaching staff for McGarry Implant Institute. Dr. Bouma has published on several aspects of Prosthodontics, completed research on the Accuracy of Non-contact Laser scanning in the Fabrication of Facial Moulage, and is on the Publication Peer Review for the Journal of Prosthodontics. He has lectured nationally on dental topics to include; CAD/CAM abutments, bars, and dentures (Dentsply Atlantis and ISUS, and Avadent), and Cone Beam CT (iCAT). He is a Fellow in the American College of Prosthodontists and a Diplomate of the American Board of Prosthodontics.

Education

1990 Tarleton State University, Bachelors of Science

1994 Baylor College of Dentistry, Doctorate of Dental Surgery Degree

1995 Veterans Administration at Little Rock, General Practice Residency Certificate

2000 United States Air Force Prosthodontic Residency, Certificate in Prosthodontics

2000 University of Texas Health Sciences Center in San Antonio, Masters of Science degree

Organizations & Leadership Positions

American College of Prosthodontists
Fellow
Board of Directors
Regional Director Midwest Region3
Regional 3 Alternate Regional Director
Regional Coordinator of ACP Education Foundation
Oklahoma Chapter President
House of Delegates
Nebraska Chapter President
Nebraska Chapter Vice President
Nebraska Chapter Vice President
Nebraska Chapter Secretary
Texas Chapter Student Member
American Dental Association
Oklahoma County Dental Society
Board of Directors
President
Vice President
Program Chairman (three terms)
Peer Review Committee Chairman
Peer Review Committee Consultant
Oklahoma Society of Prosthodontists
Academy of General Dentistry

Academic Positions

University of Oklahoma College of Dentistry
Clinical Associate Professor, Department of Removable Prosthodontics
Clinical Associate Professor, Department of Fixed Prosthodontics
Clinical Associate Professor, Advanced Education in General Dentistry
Offutt Air Force Base, Bellevue, Nebraska
Chief of Prosthodontics and Assistant Director
Air Force Advanced Education in General Dentistry Residency
University of Texas Health Science Center at San Antonio
Assistant Professor, Department of Removable Prosthodontics

Study Clubs

McGarry Implant Institute Study Club - Presenter/Member
Periodontics, Endodontics, and Prosthodontics Study Club - Presenter /Member

Honors

Meritorious Service Medal - United States Air Force
Volunteerism Medal - United States Air Force
Air Force Commendation Medal - United States Air Force
Company Grade Officer of the Quarter (Winter 95) - United States Air Force
Undergraduate Achievement Award - American College of Prosthodontists
Favorite Part-Time Instructor 2006-2008 - University of Oklahoma College of Dentistry

Publications

A Nontraditional Technique for Obtaining Optimal Esthetics for an Immediate Denture: A Clinical Report, Journal of Prosthodontics, Volume 10, Number 2, June 2001, pp. 97-101(5)
Osseointegration in Dentistry: An Overview, 2nd Edition, Journal of Prosthodontics, Volume 14, June 2005, pp. 147
The Accuracy of Noncontact Three-Dimensional Laser Surface Scanning in the Fabrication of Facial Moulage (thesis) Presented to the Faculty of The University of Texas Graduate School of Biomedical Sciences at San Antonio April, 2002
Literature Review appropriate for publication entitled "An over-view of research on the Dentsply Spectra-System Implant System in Partially and Completely Edentulous Patients at the John L. McClellan Veterans Hospital"



Amerian D. Sones D.M.D., M.S.
Diplomate, American Board of Prosthodontics
Bio-sketch March 2016

Amerian D. Sones DMD, MS currently serves as Executive Director, Continuing Education, Texas A&M, University, Baylor College of Dentistry, Dallas, Texas and Assistant Director, Advanced Education General Practice Residency where she teaches prosthodontics to nine AEGD residents. Credentialed also as medical hospital staff at Baylor University Medical Center she practices in the Charles A. Sammons Cancer Center Dental Clinic providing maxillofacial prosthodontic restorative dental care to cancer and special needs patients. Currently her research interests evolve around dental implants and she has an IRB approved clinical study entitled "Implant Stability of the Novice Surgeon", a research protocol she conducts during the CE dental implant continuum with live patient care which received ADACERP recognition September, 2015.

Dr. Sones is a 1979 graduate of Tufts School of Dental Medicine and served in the United States Public Health Service from 1979-1981, serving at the USPHS Indian Reservation as the Chief Dental Officer.

Having completed her postgraduate prosthodontics residency and maxillofacial residency programs in 1983 and 1984 at the UCLA, School of Dentistry and she served on the faculty in the Department of Removable Prosthodontics from 1984-1987. She served as Chairperson of the Complete Denture Course for sophomore dental students, directing 10 faculty members with a lecture and laboratory program. She also completed a Masters in Oral Biology with a Master's thesis entitled: "Osteoporosis in the Sprague-Dawley Rat". While at UCLA, she was involved with the initial "Branemark implant team" and has lectured and taught numerous courses at UCLA and in the community regarding dental implants.

In 1987 Dr. Sones began her career in private specialty practice with an emphasis on prosthodontics and dental implant treatment in Santa Monica, California and later in Santa Maria, California. Her practice provided services to the adult patient population and occasionally the pediatric dental patient who required prosthodontic dental services. She has continued to be involved with the dental community to foster ethical practice, contemporary technology, and science driven treatment for her patients. In 1999, she began the first Dental Implant Residency Program at the Esthetic Professional Educational Facility in Encino, California, which represented one of the first year long training programs available.

She is a member of the American Dental Association, a long member of the California Dental Association and now the Texas Dental Association, The American College of Prosthodontics, the Pacific Coast Society for Prosthodontics, and The Academy of Osseointegration. She has served the Academy as Chairperson of the Membership Committee and has organized numerous postgraduate outreach programs for residents and dental schools across the country. She recently became an AO Fellow and currently holds a position on the Academy of Osseointegration (AO) Board of Directors. She organized and Chairs the new AO Fellowship and Certificate committee which recently launched the "AO Certificate in Implant Dentistry". She holds dental licenses in California, Arizona, and Texas.



CURRICULUM VITAE

NAME:

PAIVI ANNELI SAMANT

OFFICE ADDRESS:

Smart Smile Dentistry
4404 NW 36th Ave
Gainesville FL 32606

CONTACT INFORMATION:

Email: psamantdds@gmail.com
Tel: (352) 374-9652 (home)
(901) 292-2076 (cell)
www.smartsmiledentistry.com

EDUCATION:

Prosthodontics	2004	University of Tennessee Health Science Center and VA Hospital, Memphis Residency
DDS (Hon)	2001	College of Dentistry, University of Tennessee, Memphis, Tennessee
M.A	1987	University of Helsinki, Helsinki, Finland (Speech-Language Pathology)

ACP HONORS AND AWARDS:

2003	Third place in John J. Sharry Research Competition, American College of Prosthodontists
2001	Outstanding Undergraduate Achievement in the study of Prosthodontists at UT, Memphis American College of Prosthodontists

ACP MEMBERSHIPS:

American College of Prosthodontists 2003 to present

PROFESSIONAL SERVICE ACTIVITIES

Immediate past president of Florida Prosthodontic Association FPA
Board member of FPA since 2011
President of the ACP Florida Section (current)

EMPLOYMENT:

2005-present	Private practice
2006-2008	Part time clinical Assistant Professor, College of Dentistry, University of Florida
2004-2005	Assistant Professor, Dept. of Restorative Dentistry, University of Tennessee, Memphis
1991-1992	Speech and Language Pathologist, Halifax County-Bedford District School Board, Halifax, Scotia, Canada
1988-1991	Speech and Language Pathologist, Children's Hospital of Eastern Ontario, Ottawa, Canada
1987-1988	Speech and Language Pathologist, Children's Psychiatric Research Institute, School Health Services, London, Ontario, Canada

RESEARCH EXPERIENCE AND PRESENTATIONS:

1. "Biofilm and Nicotine Alters *Candida Albicans* Susceptibility to Antifungal Agents". Lee, H., Samant, P.A, and Babu, J.P. Abstract number 0565. J. Dent Res. 85, 2006.
2. Samant, P.A., J. Gary, and J.P Babu.. "Effect of Nicotine on biofilm formation by *Candida Albicans* on denture acrylic surfaces in vitro". J. Dent. Res. 84:2005, 34th Annual meeting of AADR, held in Baltimore, MD (Abstract number 189).
3. "Binding of *Candida Albicans* to Fibronectin Influenced by Growth Conditions". Shiloah, Y, Samant, P.A., and Babu, J.P. Abstract number 2708: J. Dent. Res. 84, 2005.
4. 'Growth Conditions Affect *Candida Albicans* Interactions with Fibronectin', P.Samant, J.Gart, M.Pabst, J.Babu. Poster Presentation at International Association for Dental Research Conference, Honolulu, HI, March 2004.
5. 'Relationship Between Tobacco Usage and *Candida Albicans* Colonization of Denture Acrylic Surfaces', P.Samant, J.Gary, J. Babu. Oral presentation at John J. Sharry Research Competition, Dallas TX, Nov 2003.
6. '*Candida Albicans* Biofilm formation on Denture Acrylic Surfaces Influenced by Nicotine', P.Samant, J. Gary, J.Babu. Poster Presentation at International College of Prosthodontics Meeting, Halifax, Canada, July 2003.
7. 'Effect of Nicotine on Biofilm formation by *Candida Albicans* on Denture Acrylic Surfaces, in vitro', P.Samant, J.Gary, J. Babu. Oral Presentation at International Association for Dental Research Conference, San Antonio, TX, March 2003.
11. 'Lactoperoxidase Antimicrobial Activity against *Candida Albicans*', P.Samant, E. Thomas, M. Jeffreson. Poster presentation at International Association for Dental Research Conference, Vancouver, Canada, March 1999.
12. 'Lactoperoxidase Antimicrobial Activity against *Candida Albicans*', P.Samant, E. Thomas, M. Jeffreson. Oral and poster presentations at Hinman Student Research Symposium, Memphis, Tennessee, September 1998.

GRANT FUNDING

1. 'Effect of Saliva and Tobacco Components on Biofilm Formation by *Candidada Albicans* on Denture Acrylic Surfaces, in vitro', (PI: Paivi Samant) University of Tennessee, College of Dentistry, Alumni Endowment Fund, 2003-2004. \$10,500.



B. Todd Pickle, DDS, MScD, FACP

Diplomate, American Board of Prosthodontics

9480 Briar Village Point #300, Colorado Springs, CO. 80920

Off. (719) 599-0670 Cell (719) 651-3256 FAX (719) 599-0613

PROFESSIONAL EXPERIENCE

Private Specialty Practice: (1994 - 2016) Colorado Springs, CO.

Colorado State Dental License #7214.

University of Texas M.D. Anderson Cancer Center: (July 1993-June 1994) Houston, TX. Fellowship in maxillofacial prosthodontics

Baylor College of Dentistry: Dallas, TX.

1993 August- Master of Science in Dentistry

1993 June- Specialty Certificate in Prosthodontics

V A Medical Center: (1992-1993) Dallas, TX.- Prosthodontics Staff Resident

Private General Practice: (1986-1991) Tyler, TX.

Tyler Junior College: (1987-1991) Tyler, TX- Associate Instructor, Dental Hygiene Program – Dental Materials Course Instructor

University of Texas H.S.C. Dental School, San Antonio, TX : (1982-86)

Doctor of Dental Surgery, State of Texas License #14972

Abilene Christian University: (1978-82) Abilene, TX.

Bachelor of Science - Biology

APPOINTMENTS/LEADERSHIP ROLES

The Dentist's Professional Liability Trust of Colorado – 2015-17 Board of Directors

Colorado Springs Dental Society: Officer 1997- 2002; President 2001-2002

University of Colorado Health Sciences Center

School of Dentistry - Department of Restorative Dentistry
Clinical Associate Professor & Guest Lecturer GPR program
Memorial Hospital Cancer Center (Colo. Spgs.-CO)
Medical/Dental Staff Privileges
Penrose/St. Francis Hospital (Colo. Spgs.-CO)
Medical/Dental Staff Privileges

RESEARCH

Masters Thesis- Effect of grit size and substrates on the cutting efficiency of diamond rotary instruments. Baylor College of Dentistry
American Academy of Maxillofacial Prosthetics- Fellowship Research Project- Relative effects of diagnosed dental disease on medical breast cancer patients receiving chemotherapy treatments.

MEMBERSHIPS / HONORS

American Academy of Maxillofacial Prosthetics
American Board of Prosthodontics – Board Certified Diplomate 1995
American College of Prosthodontists -Fellow 1995; Member since 1991
American Dental Association
Academy of Osseointegration
Colorado Dental Association
Colorado Springs Dental Society: Past President
Colorado Prosthodontic Society
Columbine Periodontal Study Club
Student Clinician of the American Dental Association
University of Texas M. D. Anderson Cancer Center Associates
Seattle Study Club of Southern Colorado
Speakers Bureaus (current or past):
Nobel Biocare; Dentsply International; Implant Innovations, Inc.; American Academy of Dental Sleep Medicine

Pickle Prosthodontics Continuing Education Conference Center: (Founder & Director)
Monthly courses covering all aspects of implant dentistry and prosthodontics. The center provides lectures, hands-on labs, cadaver labs and patient treatment clinics.



Dr. Robert E. Stover, DDS MS

3622 Ensign Rd NE Ste. D
Olympia, Washington 98506
(360) 456-1200
rstoverdds@yahoo.com

Education:

2004-2008	Board Certification-Prosthodontics	American Board of Prosthodontics Fellow American Board of Prosthodontics
2001-2004	Master's Degree-Prosthodontics	University of Texas Health Science Center School of Biomedical Sciences San Antonio, Texas
2001-2004:	Certificate in Prosthodontics	Graduate Prosthodontics Residency United States Air Force Wilford Hall Medical Center Lackland AFB, Texas
2000-2001	AEGD Residency	Advanced Education in General Dentistry United States Air Force Travis AFB, California
1996-2000	Doctor of Dental Surgery	Northwestern University Dental School Chicago, Illinois
1987-2001	Bachelor of Arts in Geophysics	Occidental College Los Angeles, California

Professional Background:

Dr. Stover received his B.A. in Geophysics from Occidental College and then worked as a field geologist in the Rocky Mountains and Hawaii. Before going on to dental school, he also worked as a carpenter, and taught English in Japan. He received his DDS from Northwestern University Dental School, where he was elected by the faculty to Kappa Sigma Upsilon, the dental honor fraternity. After graduation, he joined the Air Force to do an AEGD residency and a residency in prosthodontics. He also received a Master's Degree from the University of Texas in Prosthodontics for his research on cell interactions with implant surfaces, and has lectured both nationally and internationally. He was stationed at Offutt Air Force Base, Nebraska, where he was responsible for the clinical and didactic instruction of AEGD residents, general dentists, and laboratory technicians. There he maintained an active clinical practice and was the regional prosthodontic consultant to the Air Force Surgeon General and the Officer in Charge of the Regional Dental Laboratory. He is the recipient of the Meritorious Service Medal, the National Defense Service Medal, and was elected Company Grade Officer of the Quarter. He has published a thesis at the University of Texas, and articles in the Journal of Periodontology and the International Journal of Dental Research.

Professional Affiliations:

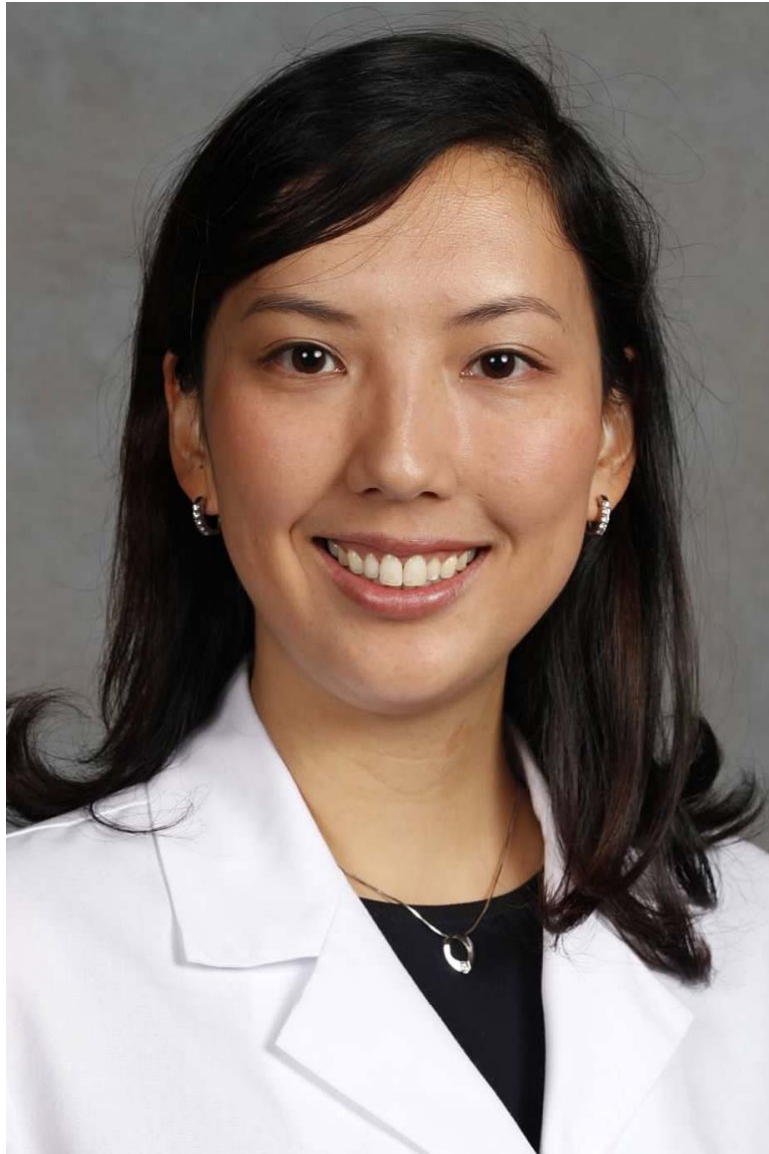
Dr. Stover is a board certified fellow of the American Board of Prosthodontics, a member of the American College of Prosthodontics, the Academy of General Dentistry, the American Dental Association, and the National Dental Honor Fraternity Kappa Sigma Upsilon. He has served on the ACP Judicial Committee, and for the ACP ProsNet Study.

Professional Experience:

2008-Present	Private Practice	Olympia Prosthodontics & Cosmetic Dentistry Olympia, Washington
2007-2008	Associate, Private Practice	Northwest Center for Prosthodontics Olympia, Washington
2004-2007	Regional Consultant Staff Prosthodontist Laboratory Officer in Charge AEGD Instructor	United States Air Force Dental Corps Offutt Air Force Base, Nebraska
2001-2003	Prosthodontics Resident	United States Air Force Dental Corps Lackland Air Force Base, Texas
2000-2001	AEGD Resident	United States Air Force Dental Corps Travis Air Force Base, California

Personal Interests:

Dr. Stover grew up in the Pacific Northwest. He is a Christian, a husband, and a father of four children from ages nine to seventeen. He enjoys his family, cooking, carpentry, golf, mountaineering, and backpacking.



BIOSKETCH

1. PERSONAL INFORMATION

Name: Caroline Tram Nguyen

Date of Birth: Sept. 25, 1982

2. EDUCATION

2009-2010	Fellowship	Maxillofacial Prosthodontics and Oral Oncology, University of Texas M.D. Anderson Cancer Center, TX
2006-2009	Residency	Certificate in Prosthodontics, University of Maryland
2006-2009	MS	Master of Sciences, University of Maryland
2000-2006	DMD	Dentistry, Universite de Montreal, QC, Canada
1998-2000	DEC	Health Sciences College Degree, Jean-de-Brebeuf College, QC, Canada
1995-1998	DEC	Music College Degree, Vincent-d'Indy College, QC, Canada

3. EXPERIENCE IN HIGHER EDUCATION

A. APPOINTMENTS

2015-present	Provincial Practice Leader in Prosthodontics British Columbia Cancer Agency, BC, Canada
2010-present	Maxillofacial Prosthodontist, Div. of Oral Oncology, British Columbia Cancer Agency, BC, Canada
2010-present	Assistant Professor, Dept. of Oral Health Sciences University of British Columbia, BC, Canada
2009-2010	Fellow in Maxillofacial Prosthodontics, University of Texas M.D. Anderson Cancer Center, TX
2008-2009	Clinical Instructor in Prosthodontics, University of Maryland, MD
1998-2000	Tutor/Instructor, College Jean-de-Brebeuf, QC, Canada

B. RESEARCH MENTOR

2014-present	Nora El-Mowafy, Masters Thesis Supervisor
2014-present	Spencer Lim, DMD Project Supervisor
2013-present	Vincent Lee, Masters Thesis Supervisor – ACPEF research fellowship recipient
2012-2015	Richard Kratz, Masters Thesis Advisor
2012-2015	Samer Mesmar, Masters Thesis Advisor
2012-2013	Soroush Liaghat, DMD Project Supervisor
2011-2014	Ian Thornton, Masters Thesis Advisor– ACPEF research fellowship recipient
2011-2014	Lubna Alkadi, Masters Thesis Advisor
2011-2013	Jassica Kaur Sarai, DMD Project Advisor
2011-2012	Victoria Seto, GPR Thesis Advisor
2010-2013	Jonathan Ng, Masters Thesis Advisor

4. PROFESSIONAL ACTIVITIES

A. PROFESSIONAL LICENSURE AND BOARD CERTIFICATION

2010	License, Texas State Board of Dental Examiners
2010	License, British Columbia College of Dental Surgeons
2010	Diplomate, American Board of Prosthodontics
2010	Fellow, Royal College of Dentists of Canada – Prosthodontics

B. MEMBERSHIP IN PROFESSIONAL ORGANIZATIONS

2006-Present	American College of Prosthodontists
2007-Present	American Academy of Maxillofacial Prosthetics
2010-Present	Association of Prosthodontists of Canada

2010-Present International College of Prosthodontists
2011-Present Academy of Fixed Prosthodontics
2011-Present Royal College of Dentists of Canada

C. ACTIVITIES WITH THE ACP

2012-Present ACP Chair of the Table Clinics
2016 ACP Messenger Publication: From Simple to Complex, the Facets of Prosthodontics (in press)
2010 Board Prep Course: Part IV – Patient Treatment and Philosophy of Challenging the Board
ACP Annual Session, Orlando, FL
2010 Poster Presentation: Nguyen CT, et al. “Effects of Opacifiers on Mechanical Properties of Pigmented Maxillofacial Silicone Elastomers”. ACP Annual Session. Orlando, FL
2009 Young Star of Prosthodontics 2009, published in ACP Messenger.
2008 Semi-finalist, ACP John J. Sharry Research Competition
2008 Award: 3rd place ACP Annual Session Postgraduate Table Clinic Program
2008 Poster Presentation: Nguyen CT, et al. “In Vitro Effects of Cleansing Solutions on Pink Locator Attachments’ Retention”, ACP Annual Session Nashville, TN
2007 ACPEF Research Fellowship “The Effect of Denture Cleansing Solutions on the Retention of Pink Locator Attachments: An In Vitro Study”. \$6,000

D. LEADERSHIP ACTIVITIES

2015-Present Provincial Practice Leader in Prosthodontics, British Columbia Cancer Agency
2014-Present Vice-President, Association of Prosthodontists of Canada
2013-Present International College of Prosthodontists Research Committee
2013-2015 Academy of Fixed Prosthodontics Election and Credentials Committee
2011-Present Board Examiner for Prosthodontics for the Royal College of Dentists of Canada

E. JOURNAL REVIEWER

2010-present Journal of Prosthodontics: Implant, Esthetic and Reconstructive Dentistry
2011-present Int Journal of Prosthodontics and Restorative Dentistry – Editorial Review Board
2012-present Gerodontology
2012-present International Journal of Prosthodontics

5. SELECTED PUBLICATIONS

1. **Nguyen CT**, Masri R, Driscoll CF and Romberg E. "The Effect of Denture Cleansing Solutions on the Retention of Pink Locator Attachments: An In Vitro Study". *Journal of Prosthodontics: Implant, Esthetic, and Reconstructive Dentistry*. 19.3 (April 2010): 226 - 230.
2. **Nguyen CT**, Driscoll CF and Coletti DP. "Reconstruction of a Maxillectomy Patient with an Osteocutaneous Flap and Implant-retained Fixed Dental Prosthesis: A Clinical Report". *Journal of Prosthetic Dentistry*. 105.5 (May 2011): 292 - 295.
3. **Nguyen CT** and Hofstede TM. "Prosthodontic Treatment and Medical Considerations for a Patient with Turner Syndrome: Clinical Report". *Journal of Prosthodontics: Implant, Esthetic, and Reconstructive Dentistry*. Epub ahead of print May 2012. Selected for CE credits.
4. **Nguyen CT**, Chambers M, Montgomery P, Powers J and Kiat-amnuay S. “Effect of Opacifiers on Pigmented Maxillofacial Silicone Elastomer Part 2: Mechanical Properties After Artificial Aging”. *Journal of Prosthetic Dentistry*. June 2013; 109(6):402-10.
5. Wong ATT and **Nguyen CT**. “Rehabilitation of a patient with an elusive medical history with a maxillary complete denture prosthesis and mandibular cast-metal overlay removable partial denture prosthesis.” *Journal of the Canadian Dental Association*. 79 (Jun 2013):d35.
6. **Nguyen CT**, MacEntee MI, Mintzes B, Perry TL. Information for physicians and pharmacists about drugs that might cause dry mouth: a study of monographs and published literature. *Drugs & Aging* 31(1):55-65, January 2014.
7. Mesmar S, **Nguyen CT**, Wyatt C. “Occlusal vertical dimension for complete removable dental prostheses”. *Canadian Journal of Restorative Dentistry & Prosthodontics* 8(3):28-38, Fall 2015.



CURRICULUM VITAE

Name: Stephen Douglas Campbell

Address: 228 Ravine Road, Hinsdale, Illinois 60521

Place of Birth: Van Nuys, California

Education:

1973 B.S.	University of South Carolina, Columbia, SC
1979 D.D.S.	Medical College of Virginia, Richmond, VA
1982	Certificate in Prosthodontics, Harvard School of Dental Medicine, Boston, MA
1982 M.M.Sc.	Harvard University, Cambridge, MA

Postdoctoral Training:

1979	Research Fellow in General Dentistry, Harvard School of Dental Medicine
1980-82	Research Fellow in Prosthetic Dentistry, Harvard School of Dental Medicine
1980-82	Courses in Biomaterials, Massachusetts Institute of Technology, Leading to a Masters Degree at Harvard University
1982	Certificate in Prosthodontics, Harvard School of Dental Medicine

Licensure and Certification:

1979	Northeast Regional Board
1979	Southeast Regional Board
1979	Massachusetts License Registration No. 14265
1990	Diplomate, American Board of Prosthodontics
1992	Illinois License Registration No. 019-023051
1993	Illinois Licensed Specialist in Prosthodontics (021-001640)

Academic Appointments:

1982-86	Clinical Instructor in Prosthetic Dentistry, Harvard School Dental Medicine
1984-92	Research Associate, Forsyth Dental Center, Center for Prosthodontic Research

Academic Appointments: Continued

1986-90	Assistant Professor of Prosthetic Dentistry, Harvard School of Dental Medicine
1990-92	Associate Professor of Prosthetic Dentistry, Harvard School of Dental Medicine
1992-	Professor of Restorative Dentistry, Tenured, University of Illinois at Chicago, College of Dentistry, Chicago, IL
1992-06	Lecturer in Prosthetic Dentistry, Harvard School of Dental Medicine
1994-	Full Graduate Faculty Member of the Graduate College, University of Illinois at Chicago, Chicago, IL

Administrative Appointments and Innovations:

1984-92	Director, Postdoctoral Prosthodontics, Harvard School of Dental Medicine
1989-92	Director, Biomaterials Research, Harvard School of Dental Medicine
1990-92	Program Director and developer of the Harvard/MIT Training Program in Biomaterials Science Worked with Materials Science faculty from MIT to establish a interdisciplinary program in support of the HSDM Graduate Degree Programs. This led to awarding of Master of Medical Science Degrees and two DMSc (doctoral) degrees for students enrolled jointly in the Advanced Prosthodontic Program.
1992-	Head, Department of Restorative Dentistry, University of Illinois at Chicago, College of Dentistry

I assumed the leadership of the Department of Restorative Dentistry in 1992. The Department had been formed in 1991 following the merger of the Departments of Operative, Fixed Prosthodontics, and Removable Prosthodontics. A committee of ex-Heads ran the merged Department from 1991-92. The faculty from the three forming units were largely at odds and did not relate positively. The educational programs were disjointed and there was little scholarly activity going on in the Department. There was no Advanced Prosthodontic Program, and research was being carried on by one individual.

The Department has been carefully transformed over the past 20 years. The Department is made up of 46.3 FTE, consisting of 35 full-time individuals with the balance being part-time. This includes 10 full-time administrators within the COD. 25 full-time individuals are devoted to teaching/patient care at all levels of our COD Programs.

Administrative Appointments and Innovations: Continued

Most typically, part-timers are committed 40-60%. The Department has historically been responsible for more than 50 academic courses, as well as the core of the clinical experiences in the College. I have recruited more than 20 full-time faculty to the Department over the past 20 years. Fourteen full-time individuals have been recruited in the past 7 years. We are attracting the very best clinicians and researchers at this time. Of the recent recruits, eight have advanced prosthodontic specialty training, 4 have advanced operative training, and 4 have Ph.D.'s. In addition, numerous part-timers have been recruited. Most are engaged in scholarly pursuits that include a broad range of research activities.

Over the past 2 decades, the Department has continued to innovate and collaborate. This has included a long list of programs and activities that have transformed the Department and the College. This includes such things as the introduction of competencies to our clinical educational programs, OSCE Examinations, laboratory quality assurance for our patient care and educational programs, student self-assessment as a cornerstone to evaluation, EBD, and our comprehensive care education/practice model.

We introduced and integrated Evidence-based practice and education into our educational programs as part of a four-year continuum to ensure that graduates have the tools to apply EBD throughout their professional careers. We have also introduced a comprehensive dental implant curriculum and are preparing to introduce a new comprehensive Science and Technology curriculum through a newly developing Advanced D-4 patient care program. Our predoctoral clinical revenues place us in the top three per full-time student for all public dental institutions. Our Prosthodontic Residency Program exceeds \$150,000 in revenue per student per year (>\$3,000,000 annually). In addition, all of our Prosthodontic Specialty students are enrolled in Master or Ph.D Programs. See additional details throughout the CV.

1992-2001

Director, Biomaterials and Technology, University of Illinois at Chicago, College of Dentistry

1992-3

Director, Postdoctoral Prosthodontics, University of Illinois at Chicago, College of Dentistry

I developed all of the course work and completed the CODA documentation needed to initiate a new Prosthodontic Program in 1993, including facility renovation. The Program has grown into one of the most respected Prosthodontic programs in the country led by Director, Dr. Kent Knoernschild. See details under Principal Clinic and Service Section.

Administrative Appointments and Innovations: Continued

1993-6	Co-Director, Postdoctoral Prosthodontics, University of Illinois at Chicago, College of Dentistry
1996-8	Director, Advanced Education Program in Prosthodontics, University of Illinois at Chicago, College of Dentistry
1998-2002	Co-Director, Postdoctoral Prosthodontics, University of Illinois at Chicago, College of Dentistry
2002-	Director and Developer, Implant and Innovations Center (IIC), UIC College of Dentistry. Established the Implant and Innovations Center at the COD that encompasses broad based educational programs and patient care based on state of the science and technology. Have raised much of the private support in concert with Dean Graham and the COD Development Office for what is a 12 chair IIC state of the science facility and a 19-chair state-of the science Advanced Prosthodontic facility. The 31-chair facility was completed in April 2013. The facility also includes a state-of-the-science radiology, 3D imaging, and classroom.

The IIC is focused primarily on the predoctoral patient care and educational programs. It is widely regarded as one of the most innovative and successful programs in the nation. It has been recognized nationally as such, through the ADEA Zimmer Award through the leadership of the involved faculty (Dr. Harlow, Dr. Yuan). See CV for additional details.

2012-	Director and Developer of the Digital Center for Excellence, UIC Established an Advanced Center for Digital Excellence to reframe digital dentistry for education and patient care. The program is establishing a seamless, integrated total digital workflow for our predoctoral and Advanced Prosthodontic educational and patient care programs. The program is focused on establishing improved learning, efficiency, and control. – See details under Principal Clinical and Service Responsibilities: Academic Innovation, Collaboration, Leadership, and Entrepreneurism
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Other Professional Positions:

1982-9	Professional Consultant, Biomaterials, Coors Biomedical, Lakewood, CO
1983-8	Professional Consultant, Biomaterials, Johnson & Johnson, East Windsor, NJ
1995-	External reviewer for tenure level promotion considerations by other Universities, several per year

Awards and Honors:

1975-79	Dean's List, Medical College of Virginia
1975-79	Academic Performance Committee Commendations
1975	A.D.Williams Scholarship Award
1976	A.D.Williams Scholarship Award
1977	A.D.Williams Scholarship Award
1977	Virginia Commonwealth University Scholarship Award
1977	Phi Kappa Phi Honor Society
1978	A.D.Williams Summer Research Fellowship Award
1979	Alpha Omega Scholarship Award
1979-	OKU Dental Honor Fraternity
1979	Psi Omega Scholarship Award
1979	Graduated #1 in Dental School Class of 110
1981	Granger Research Award, Northeast Gnathological Society
1982	Second Place, Tylman Award Competition, Academy of Crown and Bridge Prosthodontics
1987	Postdoctoral Student Appreciation Award, Harvard School of Dental Medicine
1990	Postdoctoral Student Appreciation Award, Harvard School of Dental Medicine
1990	Distinguished Faculty Award, Harvard School of Dental Medicine
1994	Research Sponsor for 1994 Tylman Research Award Winner, American Academy of Fixed Prosthodontics
1994-	Research Sponsor for 1994-95 Tylman Research Grant Awardee, American Academy of Fixed Prosthodontics
1996-	Research Sponsor for 1996 Tylman Research Award Winner, second place, American Academy of Fixed Prosthodontics
1996-	Research Sponsor for 1996 Frechette Research Award Finalist, International Association for Dental Research
1996	Research Sponsor for 1996 Research Award Competition winner, University of Illinois at Chicago, College of Dentistry
1997-	Research Sponsor for 1997 Frechette Research Award Finalist, International Association for Dental Research
1997	Research Sponsor for 1997 Postdoctoral and Graduate Research Award Competition winner, University of Illinois at Chicago, College of Dentistry
1998-Present	Research Sponsor and Mentoring I have personally mentored an extensive list of students and faculty on an ongoing basis since 1982. This has included over 30 students that have earned a Masters degree, and I have been involved with several Ph.D. projects as well. Many of these students have been supported by peer-reviewed grants and awards over the past 20 years. See under Teaching – Student and Faculty Mentoring.

Awards and Honors:**Continued**

1998

Elected to the International College of Dentists, Induction in Fall 1999

2007

George H. Moulton Award

American Academy of Fixed Prosthodontics. The George H. Moulton Achievement Award is the highest honor bestowed by the American Academy of Fixed Prosthodontics. The Award is granted in recognition of individuals whose outstanding contributions have produced a significant impact within the Academy and the discipline of fixed prosthodontics.

2009

Educator of the Year Award

American College of Prosthodontists. Given to a single individual that has contributed to the welfare and advancement of the College or Prosthodontics; outstanding overall achievement to academic dentistry; contributions to the sciences or health profession. Recognized for exceptional skills as a dental educator.

2010

Dan Gordon Award

Each year the American College of Prosthodontists awards the ACP Dan Gordon Award for lifetime achievement that recognizes individuals who have contributed at the highest level to the welfare and advancement of the College and/or specialty of Prosthodontics, dentistry, science, and health professions. In honor of Dr. Daniel F. Gordon, ACP President from 1997-8.

2011

ADEA/Zimmer Dental Implant Education Teaching Award

The American Dental Education Association (ADEA) awarded the University of Illinois at Chicago College of Dentistry's Dental Implant Educational Team (Dr. Harlow, Dr. Yuan, Dr. Miloro, Dr. Lee, Dr. Knoernschild, Dr. Califano, and others) the recipient of the 2011 ADEA/Zimmer Dental Implant Education Teaching Award.

The Award is given every two years and recognizes an institution and dental educator team that has demonstrated a commitment to excellence and innovation in the field of implant dentistry education.

The following criteria are used to select the winners of the award:

- Demonstration of commitment to dental implant education
- Sustained development of educational programs
- Innovation in teaching methodology
- Successful outcomes of teaching efforts
- Service to the community
- Successful integration of educational programs into the established curriculum

Awards and Honors:**Continued**

- 2012 Institute of Medicine Health Sciences Board Nomination by the University of Illinois at Chicago Chancellor, Dr. Paula Meares.
- 2012- Patients' Choice Award – Awarded to practitioners so highly regarded by patients that they feel the need to talk to others about the positive influence of your work. Of those with high praise, only practitioners with near perfect scores have been voted by their patients for this honor. Less than 5 percent are accorded this honor. Recognized - 2013, 2013
- 2013- Top Dentists – Identified and selected through a peer nomination process
- 2013 Kenneth Wical Award for Excellence in Prosthodontics. Given in recognition for excellence in Prosthodontics' to honor and recognize individuals who have made significant contributions to the specialty of prosthodontics. Loma Linda University School of Dentistry.
- 2013 Jesse T. Bullard Distinguished Lecturer in Prosthodontics and Implant Dentistry. Baylor, Texas A&M College of Dentistry.
- 2013 Five-Year Department Head Review, UIC College of Dentistry. The University requires 5-year reviews of Department Heads and administrators. My most recent one was completed in the spring of 2013. The review includes a formal, anonymous survey of all Department faculty. Over 40 faculty responded to the survey. My overall average for all items was 4.7 (0-5 scale – 5-best-strongly agree). Many items were rated at 4.8 – such as faculty freedom, faculty support, encouraging publications and research, continuously raising the Department's image.

Also see under Professional Organizations Section for the numerous academies and professional organizations that are honorary in nature.

Major Committee Assignments:

- 1978-79 Admissions Committee, Student Member, Medical College of Virginia, Richmond, VA
- 1988-92 Accreditation Sub-Committee, Department of Prosthodontics, Harvard School of Dental Medicine, Boston, MA
- 1989-92 Clinical Policy and Records Committee, Harvard School of Dental Medicine
- 1992 Ad Hoc Committee for Biomaterials Research, a multi-disciplinary group formed to establish a formal biomaterials research effort between MIT and Harvard Medical campus
- 1992 Distinguished Faculty Award Committee, Harvard School of Dental Medicine
- 1992- Department Heads Committee, University of Illinois at Chicago, College of Dentistry

1992-01	Advisory Committee for Academic Affairs and Research, University of Illinois at Chicago
1992-	Clinical Affairs Advisory Committee, University of Illinois at Chicago, College of Dentistry
1992-	Administrative Council, Department of Restorative, University of Illinois at Chicago, College of Dentistry
1992-	Committee for Dental Postgraduate Specialty Programs, Graduate Dental Education Committee, University of Illinois at Chicago, College of Dentistry
1993-5	Chair, Committee for Merger of M.S. Programs, University of Illinois at Chicago, College of Dentistry <u>Outcomes</u> - Responsible for re-designing the UIC – College of Dentistry's Master Degree Programs into a single College wide MS degree in Oral Sciences with an emphasis of establishing the foundation for a future COD PhD program. This included the creation of common core courses and requirements, as well as assignment of key faculty to initiate these courses. This culminated in the COD receiving approval for a free standing PhD Program in Oral Sciences in 2006 under the leadership of Dr. Phil Marucha.
1993	Review Panel for the M.S. in Orthodontics, University of Illinois at Chicago, College of Dentistry
1993-7	Dental Service Plan Management Committee, College of Dentistry <u>Outcome:</u> There was no formal faculty dental practice at the time of my arrival at UIC in 1992. Along with one other individual, I was the sole practitioner during the early years. I helped write and establish the faculty practice bylaws and the practice. This included sharing the re-modeled Advanced Prosthodontic clinical facility from 1996 through 2001. Ultimately assisted Dr. Terry Parsons in coordinating the design and construction of a new practice facility that opened in 2001. This is now a busy and active faculty practice.
1993-7	Prosthodontics Test Construction Committee, Joint Commission on National Dental Examinations, American Dental Association
1994-02	Committee for Graduate Programs, University of Illinois at Chicago, College of Dentistry
1994-2003	Chair, Research Awards Committee, University of Illinois at Chicago, College of Dentistry
1995-04	Commission Consultant, Commission on Dental Accreditation, American Dental Association
1996-7	Chair, Task Force to Develop Competencies, UIC, College of Dentistry

Major Committee Assignments: Continued

1996-2002	<p>Chair, Clinic and Research Day Oversight Committee, UIC, College of Dentistry</p> <p><u>Outcome</u> – Rejuvenation of the COD's Clinic and Research Day. Taking this faltering program that was student driven with poor participation and attendance to one that engages the entire College community and typically has over 100 clinical and research presentations on an annual basis. Developed the new Clinic and Research Day Program, University of Illinois at Chicago, College of Dentistry. The 1997 Clinic and Research Day Program combined several activities that were historically separate into one focus day for the College. There were over 70 presentations by students and faculty, and more than 40 commercial exhibitors. Established the poster format, many of the clinical and research awards, the program book, abstract format, and other aspects of the program. The 1998 Clinic and Research Day Program was expanded to include alumni of the College. Included production of a program book with abstracts, and judging for 8 award categories as part of the program.</p>
1997-9	<p>Member, Accreditation Steering Committee, UIC, College of Dentistry</p>
1997-9	<p>Chair, Clinical Sciences Educational Programs Accreditation Committee, UIC, College of Dentistry</p>
2000-04	<p>Prosthodontic Accreditation Review Committee, Commission on Dental Accreditation, American Dental Association</p>
2004-07	<p>Chair, Accreditation Steering Committee, UIC, College of Dentistry. Oversight of the COD 2006 Accreditation process and preparation including the 9 COD Accreditation Committees.</p> <p><u>Outcomes:</u> Site visit was completed in November 2006. The College of Dentistry and all of its Programs were found to be in compliance with all of the CODA Educational Standards. The College of Dentistry received <u>no</u> recommendations for changes and no citing of deficiencies.</p> <p>This includes our Predoctoral Program and all of our Advanced Educational Programs, with the exception of Oral Surgery that has a separate accreditation process every five years. The COD Program received a total of 19 commendations from the Commission. This was a best-case outcome. This was the culmination of hard work by the entire College community.</p>
2007-	<p>Oral Sciences Graduate Committee and Graduate Education Committee (GDE), UIC, College of Dentistry</p>
2008-12	<p>Predoctoral Review Committee, Commission on Dental Accreditation, American Dental Association.</p> <p>Responsibility of reviewing all policy and matters related to accreditation (site visits, program changes, etc) for all Predoctoral Dental Education in the US. Reports directly to the Commission on Dental Accreditation (CODA).</p>

Major Committee Assignments: Continued

In addition to this ongoing responsibility, in 2008 the Predoctoral Review Committee undertook the process of a total re-write of the predoctoral educational standards. This three-year process involved a comprehensive analysis, restructuring, and changes in the accreditation standards. The newly developed standards were adopted and effective in July 2013. The re-write embraced a more encompassing view of dental education and includes expanded responsibilities relative to research, evidence-based dentistry, diversity, science and technology and many other arenas. It established a forward-looking and integrated view of the graduating oral health practitioner. In addition, more specific standards were developed in an effort to ensure increased accountability and expectations of graduates. This includes a broad range of areas such as competence in oral cancer assessment and practices, patient assessment and referral, implant related care, laboratory technology, advanced technologies, and many other areas. As one of seven committee members, I played an instrumental role.

2009	Chair, UIC College of Dentistry Executive Associate Dean Search Committee
2008-12	Clinical Non-Tenure Promotion Committee, UIC College of Dentistry
2010-11	University (UIC) Clinical Non-tenure Promotion Task Force

Faculty Promotion Accomplishments

Championed a change in our College of Dentistry's Clinical Non-tenure Track (N-CT) promotion guidelines and process.

Assisted in the process of re-writing the guidelines and protocols. This resulted in the College establishing new Clinical Non-tenure Track (C-NT) promotional guidelines with an expanded vision of Scholarship (e.g., course manuals, patient scenario scripts, increasing levels of responsibility, etc) for the core dental college faculty. The College of Dentistry had little history of C-NT promotions due to the fact the promotion guidelines paralleled those of the tenure track. This was simply unrealistic and resulted in the clinical core faculty of the College unable to progress in their academic careers/appointments. It kept them as outsiders. Established model faculty promotion guidelines and a process that was meaningful, encourages excellence and was obtainable.

The College faculty adopted the new promotional guidelines and protocols in 2009. The result was the Department assembled 5 C-NT promotion packages during the 2011 and 2012 academic years, as well as 2 tenure track promotions. All

Major Committee Assignments: Continued

were successful. We are currently working on 5 additional faculty promotion packets for submission in 2013.

I subsequently served on the campus wide C-NT task force that re-examined the promotion guidelines campus wide. The result was significant changes in the University level process, establishing clear and meaningful guidelines that relate to the work responsibilities.

- 2013- Chair, Prosthodontic Review Committee, Commission on Dental Accreditation.
- 2013- Prosthodontic Commissioner, One of 30 Commissioners on the CODA, Commission on Dental Accreditation.

Editorial Boards:

- 1991-3 Section Editor, Prosthodontics, Current Opinions in Dentistry, Current Science, Philadelphia, PA
- 1994-8 Ad-hoc Reviewer, Special Care in Dentistry, Federation of Special Care Organizations, Chicago, IL
- 1994-6 Abstract Review Site Editor, International Journal of Prosthodontics, Quintessence Publishing, Lombard, IL
- 1994 Abstract Reviewer for IADR Annual Session, IADR, Prosthodontic Group
- 1995 Chair, Ceramics Review Group for Annual Session, Dental Materials Section, IADR
- 1998-00 Reviewer, Journal of Prosthodontics, WB Saunders, Philadelphia, PA
- 1997-04 The Glossary of Prosthodontic Terms, Seventh Edition, GPT-7. Mosby, Inc., St. Louis.
- 1999- Periodic Reviewer, Journal of Dental Research, American Association of Dental Research, Alexandria, VA.
- 2006- Periodic Reviewer, Journal of Esthetic and Restorative Dentistry, Official Journal of the American Academy of Esthetic Dentistry, Wiley-Blackwell.
- 2006- Periodic Reviewer, Journal of Prosthodontics, Official Journal of the American College of Prosthodontists, Wiley-Blackwell
- 2008- Periodic Reviewer, Journal of Dental Education, Official Journal of the American Dental Education Association

Memberships, Offices, Committee, and Leadership Roles in Professional Societies:

- 1978- Psi Omega
- 1979- Phi Kappa Phi
- 1979- Alpha Omega
- 1979- Omicron Kappa Upsilon
- 1979- American Dental Association
- 1979- Massachusetts Dental Society

**Memberships, Offices, Committee, and Leadership Roles in Professional Societies:
Continued**

1979-	American College of Prosthodontists
1987-89	Scientific Committee, Yankee Dental Congress, Boston, MA
1987-89	Chairman, Minuteman Committee, Yankee Dental Congress, Boston, MA
1988-92	New England Section, American College of Prosthodontists
1988-	International Association for Dental Research, American Association Member #00115155
1988-90	Allied Health Committee, Yankee Dental Congress, Boston, MA
1989	Scientific Committee, Yankee Dental Congress, Boston, MA
1989-92	Executive Council, New England Section, American College of Prosthodontists
1989-	American Academy of Fixed Prosthodontics, an elected Academy, Chicago, IL
1989-94	Federation of Prosthodontic Organizations, Member
1990	American Dental Association Annual Meeting, Local Arrangements Committee, Boston, MA
1989-92	Chairman, Committee on Dental Trade and Laboratory Relations, Massachusetts Dental Society
1990-4	Chairman, <i>ad hoc</i> Committee on Research in Fixed Prosthodontics, American Academy of Fixed Prosthodontics
1990-91	Program Committee, American Academy of Crown and Bridge
1990-6	Tylman Research Grant Program Committee, American Academy of Fixed Prosthodontics
1991-	Fellow, American College of Prosthodontists
1991-4	Associate Fellow, Greater New York Academy of Prosthodontics
1991-3	Greater New York Academy of Prosthodontics, Scientific Investigation Committee
1991-	Academy of Dental Materials
1992	Chairman, Yankee Dental Congress Speakers Sessions
1992	Chairman, American Association for Dental Research, Prosthodontic Research Session
1992	Secretary, Massachusetts Section, American College of Prosthodontists
1992	Treasurer, Massachusetts Section, American College of Prosthodontists
1992-5	Associate Fellow, Academy of Prosthodontics
1992	Audio-Visual Committee, Greater New York Academy of Prosthodontics
1993	Chairman, International Association for Dental Research, Prosthodontic Research Session
1993-6	Director, Board of Directors, American Academy of Fixed Prosthodontics

Memberships, Offices, Committee, and Leadership Roles in Professional Societies:

Continued

1993-6	Board of Directors, American Association of Dental Research, Prosthodontics Group
1993-2002	American Ceramic Society, Member
1993-99	History and Records Committee of the Academy of Prosthodontics
1994-8	Chairman, Local Arrangements Committee, American Academy of Fixed Prosthodontics, Chicago, IL
1994-	Fellow, Greater New York Academy of Prosthodontics
1994-9	Research and Projects Committee, Academy of Prosthodontics
1994-9	Chairman, History and Records Committee of the Academy of Prosthodontics
1995-03	Commission Consultant to the Commission on Dental Accreditation for Advanced Education Programs in Prosthodontics
1994-6	Chair, Scientific Investigation Committee, Greater New York Academy of Prosthodontics
1994-6	Chairman, Committee on Research in Fixed Prosthodontics, American Academy of Fixed Prosthodontics
1995-	Fellow, Academy of Prosthodontics
	The Academy is a restricted membership professional organization established by invitation only. It consists of the leaders within the prosthodontic community and is limited to 75 active members. It is a group designed to allow the leaders in prosthodontics to meet and spend time face-to-face, to build relationships and to be creative and brainstorm the future of our specialty. It consists of:
	<ul style="list-style-type: none"> • Department chairs • Prosthodontics residency program directors • Deans/Associate Deans/Assistant Deans • Board examiners • Journal Editors • Leading private practice prosthodontists
1995-04	Nomenclature Committee, Academy of Prosthodontics
1995-9	Program and Financial Goals and Objectives Committee, Greater New York Academy of Prosthodontics
1996	Chair, Adhoc Committee on Mission and Goals, American Academy of Fixed Prosthodontics
1996	Committee for Competencies in Undergraduate Prosthodontic Education, American College of Prosthodontics
1996-2002	Board of Directors, International Association of Dental Research, Prosthodontics Group
1996-9	Scientific Investigation Committee, Greater New York Academy of Prosthodontics

Memberships, Offices, Committee, and Leadership Roles in Professional Societies:

Continued

1997	Program Moderator, Greater New York Academy of Prosthodontics, New York
1997-2001	Program Committee, Greater New York Academy of Prosthodontics
1997-2001	Program Committee for 1997 & 98 Annual Meetings, American Academy of Fixed Prosthodontics, Chicago, IL
1997-00	Program Chair for 1999 Annual Meeting, American Academy of Fixed Prosthodontics, Chicago, IL
1997	Ad Hoc Committee to Evaluate the Duties of the Program Committee, American Academy of Fixed Prosthodontics, Chicago, IL
1997	Nominee for American Board of Prosthodontics Examiner, by the American Academy of Fixed Prosthodontics, Greater New York Academy of Fixed Prosthodontics, Academy of Prosthodontics, and American College of Prosthodontists. Only one board position is available per year nationally.
1997-9	Outreach Committee, Academy of Prosthodontics
1997-2001	Program Chair for 2000 Annual Meeting, Greater New York Academy of Prosthodontics, New York

Outcome

As part of chairing this Program in 2000, I approached Dr. Chester Douglass, a close personal colleague from the Harvard School of Dental Medicine with a request that he be on the program to present an updated analysis of the incidence and projections for partial and complete edentulism in the US. This resulted in two classic publications in January 2002 by Dr. Douglass: "Future needs for fixed and removable partial dentures in the United States." and the paper "Will there be a need for complete dentures in the United States in 2020?" Both in the J Prosthet Dent, January 2002. While I am not listed as a co-author, it was through my urging that the papers were crafted and ultimately published. In addition, I provided significant input/support into the manuscript and subject during its preparation. Dr. Douglass's publications are viewed as classic articles on the incidence of partial and complete edentulism in the US and detail the pervasiveness and impact on adults in the US.

1998-2000	Ex Officio, Budget and Finance Committee, the American Academy of Fixed Prosthodontics
1998-9	Chair, Ethics Committee, American Academy of Fixed Prosthodontics
1998-9	Vice President of the American Academy of Fixed Prosthodontics
1998-9	President-elect, International Association of Dental Research, Prosthodontics Group

**Memberships, Offices, Committee, and Leadership Roles in Professional Societies:
Continued**

1998	Elected to the International College of Dentists, Induction in Fall 1999. Fellowship in the College is extended by invitation only and is granted in recognition of a dentist's "outstanding professional achievement, meritorious service and dedication to the continued progress of dentistry for the benefit of humankind".
1998-2006	American Board of Prosthodontics Examiner Elected to a position on the American Board of Prosthodontics. The Board oversees the Specialty of Prosthodontics at the national level and is responsible for the specialty and the process of specialty certification. It is a seven-year appointment and only one board position is filled each year.
1999-03	Chair, Recertification Committee, American Board of Prosthodontics
1999-04	Prosthodontic Review Committee to the Commission on Dental Accreditation for Advanced Education Programs in Prosthodontics
1999-2001	Vice-Chair, Awards Committee, Greater New York Academy of Prosthodontics, New York
1999-06	Publications Committee, Greater New York Academy of Prosthodontics, New York
1999-2000	President-elect of the American Academy of Fixed Prosthodontics
1999- 1999-02	American College of Prosthodontics Forum Representative Delegate, American College of Prosthodontics House of Delegates, Forum Rep
1999-03	American Board of Prosthodontics Test Construction Committee
2000-1	President of the American Academy of Fixed Prosthodontics Developed and wrote the Mission and Goals of the 500+ member American Academy of Fixed Prosthodontics in 1996.
2000-1	President, International Association of Dental Research, Prosthodontics Group
2000-6	Secretary and Executive Council, Academy of Prosthodontics
2000- 2000-2	Trustee, Academy of Prosthodontics Foundation Representative, American College of Prosthodontics, Future of Prosthodontics Retreat
2001-2	Chair Nominating Committee, American Academy of Fixed Prosthodontics
2001-2	Immediate Past-President of the American Academy of Fixed Prosthodontics
2001-2	Immediate Past-President of the International Association of Dental Research, Prosthodontics Group
2001-	Executive Council, Greater New York Academy of Prosthodontics, New York

**Memberships, Offices, Committee, and Leadership Roles in Professional Societies:
Continued**

2001-05	Chair, Prosthodontics Forum, American College of Prosthodontists. The Prosthodontic Forum consisted of 6 national Prosthodontic Organization when I assumed this role. Over the next 4 years it grew to 14 organizations with close to 30,000 individual members. The Forum now consists of 17 Prosthodontic Organization exceeding 33,000 individual members. The Forum works on common issues confronting Prosthodontics, education and the patients we serve. Through the Forum, the ACP was able to get the laboratory technology and education issue on the ADA's Board of Trustees agenda as a Mega issue in 2008.
2001-12	Board of Directors, American College of Prosthodontists
2001-2	Chair Nominating Committee, International Association of Dental Research, Prosthodontics Group
2002-4	Secretary-Treasurer, American Board of Prosthodontics
2003-4	Chair, Awards Committee, Greater New York Academy of Prosthodontics, New York
2002-4	Implant Placement Committee, Greater New York Academy of Prosthodontics, New York
2002-6	Frechette Research Award Committee, International Association for Dental Research
2002-4	Program Chair for 2004 Annual Scientific Program, American College of Prosthodontists
2003-7	Chair, Insurance, Managed Care, and Diagnostic Codes Committee, American College of Prosthodontists (ACP). As part of a joint effort established between the UIC College of Dentistry and the ACP, a comprehensive look at diagnostic codes in dentistry was undertaken. The result of this was a review of the International Classification for Disease Codes (ICD-9) and a recommendation that the Dental Diagnostic Codes be updated to reflect a more comprehensive view of dentistry. The comprehensive updating of the diagnostic codes resulted in over 150 new diagnostic codes being submitted for inclusion into ICD-9. These new codes were adopted in the Fall of 2004. This effort was closely coordinated with the staff at the National Center for Health Statistics (NCHS). They are responsible for maintaining and keeping diagnostic codes current for dentistry and medicine. ICD-9 is the core diagnostic code system used in Medicine.
2003-6	Chair, Moulton Award Committee, American Academy of Fixed Prosthodontics
2003-4	Nominating Committee, Greater New York Academy of Prosthodontics, New York

Memberships, Offices, Committee, and Leadership Roles in Professional Societies:
Continued

2003-07	Future of Prosthodontics Committee, Greater New York Academy of Prosthodontics, New York
2003-07	Chair, Publications Committee, Greater New York Academy of Prosthodontics, New York
2003-9	Officers Committee, Academy of Prosthodontics
2003-9	Policy Committee, Academy of Prosthodontics
2003-07	Organizational Editor, Greater New York Academy of Prosthodontics, New York
2003-06	Communications Committee, Academy of Prosthodontics
2003-06	Chair, Place of Meeting Committee, Meeting Planner, Academy of Prosthodontics
2003-06	Secretary-Treasurer, Meeting Site Planner, Academy of Prosthodontics.

Outcome - When I took over the financial and planning activities of the Academy of Prosthodontics, we had less than \$50,000 in the bank and had lost close to \$100,000 on the prior two meetings. Following an analysis, I released the contract with our meeting site planner. Over the subsequent 6 years, I served as Meeting Site Planner, and did all meeting site planning and contracts for the Academy. The outcome was increased attendance and a net gain in assets for each of the fiscal years. By 2009 we had over \$300,000 on deposit and had made a significant contribution to the AP Foundation, restoring the vitality to the organization..

2004-05	Vice-President, American College of Prosthodontists
2004-05	Vice-President, American Board of Prosthodontics
2005-06	President-elect, American College of Prosthodontists
2005-06	President, American Board of Prosthodontics (ABP)

Outcome

Initiated a Program in 2004 that convinced the ABP to begin the process of developing a new oral examination process that would have an improved validity and reliability, while being less onerous for the perspective candidates. The new format is based on patient scenarios and standardized oral exam formats, rather than the traditional patient presentation by the candidates. The ABP adopted this proposal and began work on the creation of the new exam in 2006. The first scenario exam was first presented in 2008. The number of candidates pursuing Board Certifications has increased dramatically. The percentage of Board certified Prosthodontists has grown from less than 30% and now exceed 40% of all Prosthodontists.

2006	Vice-President, Academy of Prosthodontics
2006-07	Chair, Program Committee, Academy of Prosthodontics
2006-07	President, American College of Prosthodontists

Memberships, Offices, Committee, and Leadership Roles in Professional Societies: Continued

2006-07 2007	Vice-President, Greater New York Academy of Prosthodontics Diagnostic Code Task Force, American Dental Education Association (ADEA). Developed the strategic plan and recommendations for ADEA in regards to Diagnostic Codes in dentistry.
2007-08	President-elect, Academy of Prosthodontics
2007-8	Immediate Past-President, American College of Prosthodontists
2007-8	President-elect, Greater New York Academy of Prosthodontics
2008-12	Chair, American College of Prosthodontists Education Foundation I took over as Chair of the ACP Education Foundation in February 2008. Prior to this I served on the Foundation Board for 2 years. A capital campaign was launched during my Presidential Meeting of the College in October 2007. The Vision 2012 Campaign raised over \$5,000,000 in unrestricted donations, exceeding our original goal of 4 million. I was a significant part of this success, as was the capital campaign chair, Dr. Lyndon Cooper, and several other individuals. I was personally responsible for in excess of \$2,000,000 of this. I was responsible for the programs and managing the resources of the Foundation.
2008-9	President, Academy of Prosthodontics
2008-12	Predoctoral Review Committee for the Commission on Dental Accreditation – see accomplishments under major committee assignments – page 8
2008-11	Evidence-Based Dentistry 2009 and 2010 Champion Conference Organizing Committee, American Dental Association
2008-9	President, Greater New York Academy of Prosthodontics
2009-10	President, Academy of Prosthodontics Foundation
2009-10	Immediate Past President, Greater New York Academy of Prosthodontics
2012-4	Chair, Academy of Prosthodontics Corporate Liaison Committee. Responsible for raising support on behalf of the Academy's annual program and initiatives. Raised in excess of \$200,000 in support of the 2013 Meeting year. This is an increase of \$100,000 over the prior year under different leadership.
2013-	Chair, Prosthodontic Review Committee, Commission on Dental Accreditation.
2013-	Prosthodontic Commissioner, One of 30 Commissioners on the CODA, Commission on Dental Accreditation.

Research Experience:

1. Evaluation and characterization of existing materials (mechanical, fractographic, compositional, etc.)
2. Evaluation and characterization of existing laboratory and clinical dental techniques.
3. Development of novel products to solve existing materials and technique based problems.
4. Fractographic analysis of ceramics including analysis of clinical failures
5. Advanced ceramics processing technology
6. Real-time 3D computer imaging, manufacturing and biological processing
7. Educational Program Outcomes
8. Patient Care Outcome Research – Clinical Research and Databases
9. Digital Dentistry

The Department presently has 19 ongoing IRB approved projects with a variety of faculty and students engaged

Major Research Interests:

1. Ceramics
2. Biomaterials
3. Occlusion
4. Fractographic analysis of dental systems
5. Application of advanced ceramic processing technology
6. Real-time 3D computer simulation and database development
7. Science of Prosthodontics
8. Evidence-Based Dental Treatment
9. Implant Care Outcomes
10. Educational Program Outcomes
11. Clinical Research and patient mediated outcomes
12. Diagnostic Coding/Information Technology

Teaching Experience:

1980	Didactic, clinical and laboratory instruction, predoctoral prosthodontics, Harvard School of Dental Medicine
1982-92	Didactic, clinical and laboratory instruction, postdoctoral prosthodontics, Harvard School of Dental Medicine
1982-92	Course Director, Advanced Biomaterials, Harvard School of Dental Medicine
1983-92	Course Director and Developer, Postdoctoral Prosthodontic Technique Course, Harvard School of Dental Medicine
1984-89	Course Director and Developer, Postdoctoral Prosthodontic Diagnosis and Treatment Planning Seminars, Harvard School of Dental Medicine

Teaching Experience: Continued

1984-92	Course Director and Developer, Prosthodontic Postdoctoral Guest Lecture Series, Harvard School of Dental Medicine
1984-89	Course Director and Developer, Postdoctoral Occlusion, Harvard School of Dental Medicine
1984-93	Research Sponsor for postdoctoral students, Masters and Doctoral degree candidates research and dissertations, Harvard School of Dental Medicine
1985-93	Committee Member for Masters and Doctoral candidates thesis defenses, Harvard School of Dental Medicine
1990-92	Developer of a Massachusetts Institute of Technology and Harvard School of Dental Medicine combined Ph.D./Dental Specialty Training Program
1992-	Research Sponsor for postdoctoral students and Master degree candidates (research and thesis) University of Illinois at Chicago, College of Dentistry. See under Student and Faculty Mentoring below.
1992	Developer of the Advanced Education Program in Prosthodontics at the University of Illinois at Chicago, College of Dentistry. I wrote the CODA document for the initiation of the Program and met with the CODA site visitors as part of the Program initiation. This included the creation of sixteen new didactic courses and several Course Directorships. The Program received final accreditation approval on schedule by the Commission in 1996.
1992-	Course Director, Advanced Biomaterials (PROS504), University of Illinois at Chicago, College of Dentistry
1992-2007	Course Director, Advanced Fixed Prosthodontics and Laboratory Technology (PROS 611), University of Illinois at Chicago, College of Dentistry
1992-2000	Course Director, Diagnosis and Treatment Planning (PROS 612), University of Illinois at Chicago, College of Dentistry
1992-2000	Course Director, Perio-Pros Seminars (PROS 613), University of Illinois at Chicago, College of Dentistry
1992-96	Development and restructuring of a new restorative curriculum for predoctoral students including all of the core didactic, technique, and clinical courses for restorative dentistry (operative, fixed and removable prosthodontics, dental materials, and occlusion), University of Illinois at Chicago, College of Dentistry
1992-	<u>Student and Faculty Mentoring</u> – The Department recently (2007) established a formal program for student and faculty mentoring. This embraces all students enrolled in our graduate programs as well as all faculty engaged in or interested in research. This also supports tenure track faculty, as well as

Teaching Experience: Continued

serving as a prelude to consideration for a tenure track appointment. The Program has been highly successful with one faculty member being promoted to Associate Professor with tenure in 2012, three faculty members currently pursuing customized clinical research Master Degrees, two individuals on tenure track, one clinical faculty member preparing to enter tenure track, and two additional individuals progressing to enter tenure track in the near future. We maintain a journal club and regular meetings as part of this program. The Department currently has 12 ongoing IRB approved clinical research projects. Department faculty had 26 peer-reviewed publications in 2011-12. Most of the Department faculty are engaged in scholarly pursuits that include a broad range of research activities as documented by the large number of promotions (11) supported over the past 4 years.

I have also mentored both students and faculty on an ongoing basis throughout my academic career. This includes clinical, academic, and graduate program mentorship. I serve on most of the Department Theses Committees and play a significant advisory role for most. All of our specialty students are enrolled in the MS in Oral Sciences Program (27), and most have completed the dual program in recent years. With the expanding scope and size of the Advanced Prosthodontic Program (21 currently enrolled and going to 30 total students by 2015), this will create an incredible wealth of important, educational, basic and clinical science research for the oral health community. Most of the research projects have resulted in peer-reviewed publications in recent years. Many of the research projects engage a multidisciplinary group of faculty researchers in our College and outside (e.g., Rush Orthopaedics), fostering an environment of collaboration.

Students and faculty have received numerous awards over the years, both internal and external. For example, most recently 3rd year prosthodontic resident (Savi Abey) has been identified as a finalist for the ICMCTF Graduate Student Awards (2-2010).

1st year resident (Ning Kongkiatkamon) received 1st place for the student ADEA presentations competition (3-2010), for her presentation on Gender Disparities in Prosthodontics.

3rd year resident, Matt Hallas, received 2nd place at the ACP Annual Scientific Program (11-2009).

Teaching Experience: Continued

I have personally mentored a long list of students and faculty on an ongoing basis since 1982. This has included over 30 students that have earned a Masters degree, and I have been involved with several Ph.D. projects as well. Many of these students have been supported by peer-reviewed grants and awards. For example recently:

2nd year resident, Dr. Goth Siu received a 2012 American Association of Implant Dentistry (AAID) Research Grant award and a 2012 Granger-Pruden Award by the Northeast Gnathological Society for his project. Research title: "Improving the pink and white esthetic scores (PES/WES) in predicting patient satisfaction of anterior implant restorations." Primary Mentor.

2nd year resident, Dr. Aram Kim received a 2012 AAID Research Grant award for her project. Research title: "Objective and subjective comparisons of abutment material effect on peri-implant gingival color and perceived esthetics." Primary Mentor.

2nd year Dr. Suzie Ahn received a 2012 American Academy of Fixed Prosthodontics (AAFP) Tylman Research Grant Award for her project.

Dr. Aram Kim (3rd year Advanced Prosthodontic Student) was recognized with the ACP John J Sharry Award, American Academy of Implant Dentistry (AAID) and Society for Color and Appearance in Dentistry (SCAD) Vita Awards at the Annual Sessions of these organizations in October 2013 for her research titled, "Objective and subjective comparisons of abutment material effect on peri-implant gingival color and perceived esthetics."

- 1992- Lectures to predoctoral students in various courses including fixed and removable prosthodontics, implant, dental materials, and indirect restorations, University of Illinois at Chicago, College of Dentistry
- 1993- Clinical Instruction, Advanced Prosthodontic Program, UIC
Over the years I have spent from 1 to 3 days per week overseeing advanced prosthodontic care at the specialty level. I currently spend ½ to 1 day per week.
- 1993- Development and realization of a Comprehensive Dental Clinical Science Examination Program for individual student assessment and program outcome analysis. The simulated National Board Exam is used by more than 10 dental schools on a regular basis in preparation for the National Board Part II

Teaching Experience: Continued

	<p>Examination. The simulated exam had major updates in 1997, 2000, 2003, 2007, and 2010. The current version has 548 questions. Since 1998 we have administered the exam 130 times at 21 different schools. Over 10,000 students have had the benefit of participating in the Program. Many of the institutions have participated continuously since the inception of the Program. The Program has raised approximately \$1,000,000 for the Department. The UIC College of Dentistry uses this as a major outcome criteria and to assess the readiness of the students to challenge the real National Board Part II Examination.</p>
1994-04	<p>Development of a Graduate Biomaterials Program (Masters and Ph.D.) in conjunction with the College of Engineering. Creation of five new graduate level courses in the College of Engineering taught by Department of Restorative Dentistry Faculty and Researchers to support this program, including Materials Laboratory and Lecture, Biomaterials/Tissue Interactions, Ceramics, Polymers, Synthesis and Processing Principles and Lab, University of Illinois at Chicago</p>
1995-2000 1997	<p>Clinical Competency Examiner, Predoctoral Students, UIC Developer of the first competency document and Competencies for the College of Dentistry, UIC</p>
2000-Present	<p>Didactic Courses – Ongoing participation on a regular basis with the Prosthodontic Specialty Program core courses such as Diagnosis and Treatment Planning (PROS 612), University of Illinois at Chicago, College of Dentistry</p>
2002-Present	<p><u>Implant and Innovations Center (IIC)</u> Developer of the Implant and Innovations Center. All didactic, preclinical, and clinical educational programs for the Predoc Implant Educational Program. This Program has expanded and grown to ensure that every graduating predoctoral student is competent in providing implant supported patient care for patients with partial and complete edentulism. Importantly, it insures best practice alternatives and therapy are part of our patient care and educational programs. A very special team of faculty has been established and taken ownership of the program. They must be recognized as developing the long-term success of the program (Dr. Harlow, Dr. Yuan).</p>

The College has gone from placing and restoring approximately 300 -400 implants per year in 2004 to over 1,300 in 2012-13 to 1500 in 2013-14. This has included negotiating with manufacturers and others to provide unrestricted support

Teaching Experience: Continued

for the educational Programs. We have had significant success in raising private support for the implant educational programs (see under Educational Grants and Fund Raising.)

The COD IIC is recognized as the number one user in the world of digital technology involving the three-dimensional imaging, planning and application via guided surgery (according to the three core companies involved with these software programs).

2012-Present

Digital Center of Excellence

Established a new clinic in 2015 with 16 chairs as a Center for Digital Excellence. I designed and coordinated the construction. In addition, this included a new Digital Learn Lab with 20 learning stations for our educational programs, applying the most current digital technology. This has included, a full service digital lab with design workstation, scanners, and CAD/CAM milling and 3D printing units. Plans for a Digital Design and Production Center have been finalized. All focused on improving patient experience, as well as the quality of learning and patient care.

Major Lecture Experience:

1982- Over two hundred invited lectures given to local, state, and national societies, as well as graduate dental programs, for example:

Primary topics include:

Evidence-Based Practice
Clinical Dentistry – A variety of topics
Dental Implant Care and Research
Diagnosis and Treatment Planning
Digital Technology

1984	Hinman Meeting, Atlanta, Georgia
1984	Northeast Gnathological Society, New York, NY
1984	Greater New York Dental Meeting, New York, NY
1985	Chicago Dental Society, Chicago, IL
1985	Miami Winter Meeting, Miami, Florida
1985	Dean Jones Alumni Lecture, University of Washington, Seattle, WA
1986	ADA Annual Session, Miami, Florida
1990 and 1995	Greater New York Academy of Prosthodontics, New York, NY
1991	Academy of Denture Prosthetics, Wintergreen, VA
1992	American Academy of Fixed Prosthodontics, Chicago, IL
1994	Academy of Prosthodontics, Orlando, Florida
1994	Northeast Gnathological Society, New York
1995	Yankee Dental Congress, Boston, Massachusetts
1995	American Prosthodontic Society, Chicago, IL

Major Lecture Experience: Continued

1995 and 1998	American College of Prosthodontics, Annual Meeting, Washington, D.C. and San Diego
1997	Academy of Restorative Dentistry, Chicago, Illinois
1998	American Academy of Fixed Prosthodontics, Chicago, IL
2000	New York Academy of Dentistry
2001	Virginia State Dental Society
2002	American College of Prosthodontists
2003	Yankee Dental Congress
2004	Chicago Dental Society
2004	American College of Prosthodontists – Mentors Program, American Dental Education Association
2005	Greater New York Academy of Prosthodontics, New York, NY
2009 & 2010	American Dental Association, Evidence Based Dentistry Conference, Chicago, IL
2010	American Academy of Fixed Prosthodontics, Chicago, IL
2011	Opening Keynote Lecture, American College of Prosthodontics, Annual Session, Scottsdale, AZ
2013	Keynote Graduation Speaker, Award Recipient, Baylor College of Dentistry and Loma Linda School of Dentistry

Principal Clinical and Service Responsibilities

Academic Innovation, Collaboration, Leadership, and Entrepreneurism

	Throughout my career I have been focused on clinical excellence, collaboration, innovation and the development of resources. This is documented by numerous accomplishments, some of which follow.
1979-82	Part-time practice of dentistry
1982-92	Practice of prosthodontics (27 hours per week chairside from 1982-93 and 8 hours per week from 1993 to the present)
1992-Present	Part-time practice of Prosthodontics – 8 hours per week
1989	<u>Introduction of indirect restoration fit checkers</u> <u>Outcome....</u> This paper has done much to change the nature of clinical practice. Both laboratory and chairside evaluation and improvement of restoration fit utilizing fit checkers has become commonplace.
1992-Present	<u>Establishment of a new Advanced Education in Prosthodontics Program.</u> This included preparation of all of the Commission on Dental Accreditation documentation and submission for initiation of the Program in 1993 and subsequently full accreditation status in 1995. The program has been through two CODA accreditation site visit cycles since then, having never received a recommendation. The Program has received more than 10 commendations as part of the accreditation site visit process.

Principal Clinical and Service Responsibilities: Continued
Academic Innovation, Collaboration, Leadership, and Entrepreneurism

Principal designer and oversight in the construction and realization of a new clinical and laboratory facility for the Program completed in 1994. The Program currently has 27 residents (2015) enrolled in specialty training and all are enrolled in the Master degrees and collaborative activities.

The facility was expanded in 2013 to include 27 operatories, totally remodeling and upgrading the clinical environment to the current state of the science. This was done largely with funds raised by the Department.

This Program has grown and prospered over the years under the direction of the Department, and the leadership of Dr. Kent Knoernschild. It has grown from just a few students to 27 at the current time, the largest in the US. The Program attracts the best and brightest of applicants, and is widely regarded as the best of Prosthodontic Programs nationally.

The Program has a vision of developing the future leaders and true clinical scholars. Importantly, the Advanced Program is incredibly productive and brings in significant resources for the Department and the College. The Program is also very active in research with all 27 current students enrolled in the MS in Oral Sciences Program. This creates an incredibly rich and scholarly environment.

Planning and commitments defined a plan to expand to a total of 30 residents by July 2017 (10 per year), and the Commission on Dental Accreditation has approved this request. It will be the largest Program in the US. The program is self-sustaining and brings in significant net revenues for the College on an annual basis. This includes a model self-supporting recall program utilizing hygienists to establish a model practice and recall program. The Recall Program also serves as a critical component of our clinical outcomes research program.

1994-Present

Development of a Biomaterials and Technology Division and Program focusing on synthesis, processing, and characterization of new materials for biological applications, as well as dental materials research. Design, development, and establishment of the research laboratories. Recruitment of faculty and staff. Supported continuously by the NIDCR and other funding sources since 1994 through a series of individual and Program grants.

Principal Clinical and Service Responsibilities: Continued
Academic Innovation, Collaboration, Leadership, and Entrepreneurism

The approximate total grant support for the various programs over the years has exceeded 10 million dollars. There are presently two faculty engaged in full-time research in the department. This has also resulted in extensive external collaborative activities. The Department faculty have mentored over 130 graduate students research in the past 20 years. This Program has continued under the leadership of Dr. Ana Bedran-Russo.

1994-Present

International Dentist Program

Outcome: Developer of the International Dentist Program, College of Dentistry. I conceived of and established this program in the COD in 1994, and the program has continued to be managed by Department faculty since its inception, and under the leadership of Dr. Terry Parsons. At the time of its initiation there was no established internet, and communication with other institutions and access to information was very limited. To our knowledge, we were the first institution that provided a formal Advanced Standing Program that provided non-US individuals access to an accelerated educational program to practice within the US. The program had 20 students enrolled from the outset.

In the early years graduates were allowed to practice within the State of Illinois and no degree was awarded. We subsequently submitted the University documentation needed to begin granting degrees in 2005.

The program is currently bringing in excess of \$8,000,000 per year in extra tuition revenues. The Department faculty have been responsible for the overall content and management of this Program and must be recognized for the excellence they have created. The Program has raised over 50 million dollars in educational revenues since its inception in 1994. In addition, it has provided a source of needed practitioners for Illinois and the Chicago community by graduating as many as 40 new dentists annually in recent years. The applicant pool has continued to grow over the years, a testament to the reputation of the program. There are currently some 36 US dental schools modeling this program as an additional revenue stream for their educational programs.

Principal Clinical and Service Responsibilities: Continued
Academic Innovation, Collaboration, Leadership, and Entrepreneurism

- 1993-5 Graduate Programs - College of Dentistry
Chair, Committee for Merger of M.S. Programs, University of Illinois at Chicago, College of Dentistry
- Led the effort to review and reorganize the COD Graduate education programs. Prior to this effort, the graduate degrees were Department and basic science based programs. Many Departments did not have a program. They simply did not represent the broad base of oral health related research. There was no central COD graduate Program or framework. Re-designing the UIC – College of Dentistry’s Master Degree Programs into a single College wide MS degree in Oral Sciences with an emphasis on establishing the foundation for a future COD PhD program. This included the creation of common core courses and requirements and assignment of key faculty to initiate these courses. This culminated in the COD receiving approval for a free standing PhD Program in Oral Sciences in 2006.
- 2000- Support for College Research and establishment of an office for research.
- During the 1990’s and early 2000’s, the Department of Restorative Dentistry was very active in developing and providing continuing education programs for the College and the entire dental community. We organized and sponsored several programs per year that hi-lited the Department faculty, as well as outside experts that we invited to participate. This was a very productive Program and produced in excess of \$1,000,000 in revenue for the Department.
- Much of this revenue was saved in support of the vision to develop a model implant and innovations center, as well as other Department initiatives related to collaborative research. The Department had managed to accumulate over \$800,000 in assets by the early 2000’s. By that time, it had become clear that the College needed to raise the research emphasis and organization within the COD. The Dean needed funds to realize this and establish an Office for Research and an Associate Dean for Research position. As a result, the Department willingly supported the effort and gave back all of these assets to the College.

Principal Clinical and Service Responsibilities: Continued

Academic Innovation, Collaboration, Leadership, and Entrepreneurism

1996-2002

Clinic and Research Day, College of Dentistry

Chair, Clinic and Research Day Oversight Committee

It became clear by the mid 1990's that the College needed a way to bring the community together to recognize, emphasize, and promote all of the wonderful clinical and research activities occurring. There was an existing Clinic Day Program that the students managed and was poorly attended and recognized. This Program was re-organized and rejuvenated into the current COD's Clinic and Research Day Program, an important step in creating collaboration and raising awareness. 1997 brought a rejuvenated Clinic and Research Day program. There were over 70 presentations by students and faculty, and more than 40 commercial exhibitors. Established the poster format, many of the clinical and research awards, the program book, abstract format, and other aspects of the program. The 1998 Clinic and Research Day Program was expanded to include alumni of the College and included production of a program book with abstracts, and judging for 8 award categories as part of the program. The Program now engages the entire College community and typically has over 100 clinical and research presentations. The responsibility for this Program was transferred to the New Office for Research around 2002.

1996-Present

Laboratory Quality Assurance Program

The Department established a Laboratory Quality Assurance Program in 1996 to focus on supporting clinical excellence for our predoctoral clinical education and patient care programs. This program was used to calibrate faculty, and educate students regarding critical aspects of prosthetic dentistry. The Program serves as the current Lab QA Program for the College. The outcomes of the Program have been shared with the broader educational community through a recent peer-reviewed publication.

1998-Present

Advanced Standing Degree Program

Outcome: Developed and established an Advanced Standing Degree Program in the College of Dentistry. Faculty recruiting was identifying more international trained practitioners. This program allowed qualified full-time faculty to pursue a DDS degree through a structured program that recognized their individual advanced standing. Approximately 12 individuals have completed this program since its inception.

1998-Present

Comprehensive Dental Clinical Science Examination Program

for individual student assessment and program outcome analysis. Simulated Part II National Board exam is

Principal Clinical and Service Responsibilities: Continued
Academic Innovation, Collaboration, Leadership, and Entrepreneurism

administered to approximately 10 schools of dentistry per year with annual revenues of approx. \$80,000. This program has

been ongoing since 1998 and has administered the exam to approximately 130 site exams for approximately 10,000 students, at 21 different institutions. This is a preparatory exam for the National Board Part II Exam and has been re-written five times to improve the quality since its inception. It is an excellent predictor of individual performance on the real part II exam. Total revenues approximately \$1,000,000. The College uses it as an important part of its educational outcome assessments. It is also used to identify students at risk of failing the real National board Part II examination, and identifies those individuals that need additional preparation in advance of taking the actual exam.

1999-2010

Prosthodontic International Fellowship Program

Developer of the Prosthodontic International Fellowship Program. This Program was based in the Department of Restorative Dentistry and had over 150 graduates that participated in a full-time one to two-year Program. The revenues for this Program were typically \$500,000 annually and exceeded a total of 4.5 million dollars. These were critical resources in our efforts to attract the very best faculty and students, as well as support for our Programs and research efforts.

1994-Present

Evidence-Based Dentistry

I was an active participant nationally as Evidence-Based Dentistry was developed and evolved out of the Prosthodontic community beginning in 1992 with a retreat at McMasters University. By 1995, a series of publications had been prepared to introduce EBD to the entire oral health community. The Prosthodontic community also began to provide a series of educational programs to disseminate the principles of EBD.

I have served as a champion for EBD nationally and specifically as a core tenet for dental education. As a 2008-12 member of the CODA predoctoral review committee, I introduced EBD into the new accreditations standards for predoctoral education that came into effect in July 2013. I also served on the ADA EBD Planning Committee during its early planning years, and helped develop their current efforts in bringing EBD to the entire dental practice community.

EBD was established as a cornerstone of the UIC Advanced Prosthodontic Program, and introduced it to the predoctoral

Principal Clinical and Service Responsibilities: Continued

Academic Innovation, Collaboration, Leadership, and Entrepreneurism

educational program in the early 2000's. EBD is now a very important and integrated part of our predoctoral educational program. Through Dr. Knoernschild, this has raised to an incredible level of excellence and recognition nationally for the Advanced Program.

We have applied EBD for the development of the Department Philosophies (see below) as well as determining techniques, technologies and materials we utilize in the College.

See also below: Cochrane Oral Health Group

2002-Present

Implant and Innovations Center (IIC)

See details under teaching experience

Developer of the Implant and Innovations Center. All didactic, preclinical, and clinical educational programs for the Predoc Implant Educational Program.

2012-

Comprehensive Science and Technology - Advanced D-4 Program – Director, Center of Excellence

We have been planning for the integration of a Science and Technology Program as part of a new Advanced D4 Program focused on establishing clinical excellence and scholarship for our predoctoral program. The Facility is near completion. Private support is close to being realized (see under Fund Raising).

The Program will also focus on developing integrated and total digital solutions for our patient care and educational programs. Establishing a national leadership role for the College in the process of developing a model patient care and educational program.

1992- Present

Environment of Collaboration

The Department has established a culture of collaboration within the College and University, working closely with many other units as part of our educational, service, and research programs. We have maintained collaborations on and off over the years with Engineering, Public Health, Medicine, Chemistry, as well as many other units on campus. We have also maintained extensive external programs on and off over the years including Rush Presbyterian Orthopaedics, Argonne National Lab, Harvard University, University of Iowa, and numerous others.

Principal Clinical and Service Responsibilities: Continued
Academic Innovation, Collaboration, Leadership, and Entrepreneurism

- 1997- Competency Based Education
Led the conversion to a competency based educational model for the COD in the 1990's, and wrote much of the original competency document for the College.
- 2008- Development of Department of Restorative Dentistry Philosophies
Summary guidelines developed collaboratively with the faculty of the Department to communicate, calibrate, and establish the framework for the Department's Educational and Patient Care Programs for students and faculty. The philosophies also play a key role with the new DMD curriculum. These are also used for orientation of new faculty. Established working with the Department faculty as part of a con
- Diagnosis and Treatment Planning
 - Oral Cancer Screening and Prevention
 - Operative
 - Removable Partial Dentures
 - Complete Denture
 - Immediate Denture
 - Overdenture
 - Fixed Prosthodontics
 - Implant
 - Occlusion
 - Dental Material Guidelines
 - Lab submission requirements
 - Treatment Guidelines
- 2010- Cochrane Oral Health Group
I have been involved with the Cochrane Collaboration Oral Health Group leadership as part of an effort to establish a global alliance. This is an organized effort to create a global basis for Oral health Systematic Reviews to ensure that priority reviews for oral health care are conducted and updated, in a quality assured and efficient way. This would ensure that the best evidence is available for both guideline development and clinical decision-making for colleagues around the world. I am working with them to establish a significant US based component.

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Outcome.... This paper has done much to change the nature of clinical practice. Both laboratory and chairside evaluation and improvement of fit utilizing fit checkers has become common place.

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39. Azer, SS, Drummond, JL, Bapna, MS, and **Campbell SD**: Influence of Core Material on Strength of All-Ceramic Crowns. J Dent Res Vol. 77, #1018, 1998.
40. Chan, A, **Campbell, SD**, and Tu, SJ: Translucency Comparison of Fiber Reinforced Vectris to Porcelain Core Materials. J Dent Res Vol. 77, #1023, 1998.
41. Tu, SJ, **Campbell, SD**, and Chan, A: Comparison of Fiber Reinforced Vectris Translucency to Porcelain Core Materials. J Dent Res Vol. 77, #184, 1998.
42. R. Harlow, **S.D. Campbell**, and Z. Wen. Strength Comparison of a Fiber-Reinforced Composite With In-Ceram and IPS-Empress. J Dent Res Vol. 77, #101, 1998.
43. Azer, SS, Bapna, MS, Drummond, JL, and **Campbell SD**: Influence of Core Material on Strength of All-Ceramic Crowns. J Dent Res 77, Special Issue B, #1172, 1998. IADR Program, Nice, France.
44. Mausner, IK, **Campbell, SD**, Goldstein, GR: Repeated Cementation Affects on the Force Necessary to Dislodge Crowns. J Dent Res 77, Special Issue B, #2348, 1998. IADR Program, Nice, France.
45. Azer, SS, Bapna, MS, Drummond, JL, King, TJ, and **Campbell SD**: Materials Properties of OPC All-Ceramic Crowns. J Dent Res Vol. 78, #908, 1999.
46. Knoernschild, KL, Thorne, KJ, **Campbell, SD**, Edmonds, JP, Obrez, A: Effect of pH on Endotoxin Affinity for Metal-Ceramic Alloys. J Dent Res Vol. 78, #1587, 1999.

ABSTRACTS - Continued

47. Knoernschild, KL, Thorne, KJ, **Campbell, SD**, Edmonds, JP, Obrez, A: Endotoxin Affinity for Metal-Ceramic Alloys Based Upon Treatment Concentration. J Dent Res Vol. 78, #1588, 1999.
48. Azer, SS, Drummond, JL, and **Campbell SD**: Cyclic Loading of OPC All-Ceramic Crowns. J Dent Res Vol. 79, #1598, 2000.
49. Knoernschild, KL, **Campbell, SD**, Bacon, WL: Effect of pH on P. gingivalis LPS Affinity for Nobel and Base-Metal Ceramic Alloys. J Dent Res Vol. 78, #1656, 2000.
50. Knoernschild, KL, **Campbell, SD**, Bacon, WL: Effect of pH on P. gingivalis Endotoxin Affinity for Metal-Ceramic Alloys. J Dent Res Vol. 78, #1657, 2000.
51. Barias PA, Knoernschild K, Lee DJ, Sukotjo C, Yuan JC, **Campbell SD**: Implant Success Rate for Advanced Prosthodontic Residents: A Retrospective Clinical Review. American College of Prosthodontics Table Clinics November 2009.
52. S. Zomorrodian, MT. Mathew, C. Sukotjo, MA. Wimmer, K. Knoernschild, **SD. Campbell**. In-vitro analysis of corrosion of Titanium and the effects on Human Mesenchymal Stem cells Rush University Medical Center Research Forum. April 2011

PATENTS - COPYRIGHTS

1. **Campbell, S.D.**: An Invention disclosure submitted to the Intellectual Property Office, University of Illinois at Chicago titled: "Glass Matrix Composites." September 1996.
2. **Campbell, S.D.**: A novel method for the mounting of dental casts. Patent application filed through Sunstein et al, 1992. Application withdrawn.
3. **Campbell, S.D.**, Giordano, R.: Photopolymerized Binders and Carriers for the Fabrication and Color Visualization of Dental Porcelains and Colorants. US Patent application filed May 1992 through the Harvard University Office of Technology Licensing. Application withdrawn.
4. **Campbell, S.D.**: **US** Copyright Issued February 1, 2011. Title of Work: Glass Wall and Architectural Art. Alternative Title: Functional Glass Art Writing Boards. Registration # VAu 1-056-778.

GRANTS

Principal Investigator:

1. Milton Fund Small Grant, March 1987, Harvard Medical School: A new theory for the deformation of metal-ceramic alloys.
2. Milton Fund Regular Grant, April 1989, Harvard Medical School: A new theory for the deformation of metal-ceramic alloys.
3. National Institutes of Health, NRSA-Institutional Training Program (T-32) Biomaterials and Craniofacial Research Training Program. Submitted November 1991. Approved but not funded March 1992 (priority score 226). Budget period July 1, 1993 through June 30, 1998. Total budget request \$1,631,547.00.
4. National Institutes of Health, Regular Grant (R-01): Novel Net-Shape Processing and Infiltration of Ceramics. Submitted June 30, 1991 approved but not funded. Revised submission November 1, 1992. This grant was originally submitted in conjunction with collaborative faculty at the Massachusetts Institute of Technology (Dr. Richard Pober, et al). Grant was approved but not funded (priority score approx. 220) Total budget November 1, 1992 - \$721,204.
5. Wach Fund, Research Grant: Novel Net-Shape Processing and Infiltration of Ceramics. University of Illinois at Chicago, College of Dentistry, Funded for \$15,000.00, January 1, 1993 through December 31, 1993.

Student Summer Research Training Program: Development of novel net-shape matrix materials for dental restorations. Ms. Theresa Hegedus - Student training grant. Period - May 1994 through September 1994. University of Illinois at Chicago College of Dentistry.
6. National Institutes of Health, Small Grant (R-03): Fractographic Analysis of Dental Ceramics. Submitted March 26, 1993. Total Budget \$73,226.

August 1993 Priority score 182, funding approved September 1994. Project period September 15, 1994 through September 14, 1996, #R03 DE10912-1.
7. National Institutes of Health, Small Grant (R-03): A Continuous Interpenetrating Phase Matrix Material. Submitted March 26, 1993. Total Budget \$78,019.00. Funded in winter 1994. Project period February 1, 1994 through January 31, 1996, # R03 DE10927-01.
8. Department of Veterans Affairs, A Training Grant: Analysis of Dental Ceramic Restorations. Postdoctoral Fellowship in Dental Research for R. Harlow, Fellow, \$59,756.00. Training grant period July 1, 1994 through November 1996.

GRANTS - Principal Investigator: Continued

9. National Institutes of Health and University of Illinois at Chicago, Summer Research Traineeship: Development of novel net-shape matrix materials for dental restorations. Student training grant period - May 1994 through September 1994.
10. Oak Ridge National Laboratories, A sub contract for a project titled, "Three Dimensional Imaging, Design, Materials, and Manufacturing for Medical/Dental Applications." Subcontract for \$25,000.00 for Project Period of December 1, 1995 through November 30, 1996. - not funded.
11. National Institutes of Health, Small Business Technology Transfer (STTR), Grant title: Dental and Biomedical Alumina from a Nanoscale Precursor. Subcontract as part of a STTR Grant by Adtech Neph, Inc. Total Budget - \$98,533.00 Subcontract Budget - \$29,561.00. Submitted December 1, 1994 for Grant Period August 1, 1995 through July 31, 1996. Priority Score 202 - not funded.

Educational Grants - Principal Investigator:

1. Unrestricted Educational Program Grant
A non-exclusive educational grant for the predoctoral educational program. Providing implant supported care for the completely edentulous patients. Funded by Astra Tech – In excess of \$1,500,000. Project period – September 1, 2005 through August 30, 2010.
2. Unrestricted Educational Program Grant
A non-exclusive educational grant for the predoctoral educational program. Providing implant supported care for the partially edentulous patient. Funded by Nobel Biocare – In excess of \$1,000,000. Project period – September 1, 2007 through August 30, 2012.
3. Unrestricted Educational Program Grant
An extension for the non-exclusive educational grant for the predoctoral educational program. Providing implant supported care for all partially and completely edentulous patients, as well as introducing digital technology to the predoctoral educational and patient care programs. Funded by Astra Tech – In excess of \$4,000,000. Project period – September 1, 2010 through August 30, 2017.

GRANTS**Co-Investigator:**

1. Sponsor of Research for Tylman Grant Awardee (Dr. Faheem Rasool) from the American Academy of Fixed Prosthodontics, Award Amount \$1,500.00, July 1, 1992 through June 30, 1993.

Co-Investigator: Continued

2. Campus Research Board, University of Illinois at Chicago. Lund P., Novickas D, Campbell SD: Spectro-photometric studies. Purchase of Spectrophotometer - \$25,496.00, Matching funds approved for \$12,748.00 on March 4, 1994.
3. Small Research Equipment Grant, Campus Research Board, University of Illinois at Chicago. Kleps RA, Drummond J, Campbell SD: Chemical analysis using microprobe, upgrade for the Research Resource Center. \$31,198.00, February, 1994. Funding approved March 1994.
4. Department of Veterans Affairs, A Student Training Grant: Analysis of Dental Ceramic Restorations. Postdoctoral Fellowship in Dental Research for R. Harlow, Fellow. Training grant period July 1, 1994 through November 1996. PI: Dr. Doherty-Greenberg, Westside VA.
5. Sponsor of Research for Tylman Grant Awardee (Dr. Tarek AbdelHalim) from the American Academy of Fixed Prosthodontics, Award Amount \$1,500.00, July 1, 1994 through June 30, 1995.
6. National Institutes of Health, Regular Grant (R-01), "Acquisition and Processing of Digital Dental Casts." Goshtasby, A. - Principal Investigator, deRijk W, Campbell SD. Submitted February, 1997. Total Budget - \$723,369.00, First year direct costs - \$199,889.00. Project Period December 1, 1997 through November 30, 2000.
7. Campus Research Board, "Endotoxin Affinity for Metal-Ceramic Alloys." Knoernschild, PI, Thorne, K, Campbell, SD, \$11,500. January 1, 1998 – December 31, 1998.
11. Numerous small Professional Grants as part of student research mentoring. See Student and Faculty Mentoring Section

GRANTS

Collaborator:

1. National Institutes of Health, Small Grant (R-03): A System for the Construction of Electronic Dental Casts. Submitted December 3, 1993. Principal Investigator: Ardeshir Goshtasby, Assistant Professor of Electrical Engineering, University of Illinois at Chicago. Project Period December 1, 1994 through November 30, 1996. Project funded in September 1994, # R03 DE11162-01. \$74,654.00.

GRANTS - EQUIPMENT

Principal Investigator

1. Educational Equipment Grant, Caulk/Dentsply, \$2,000.00 3/1/94-2/28/95
2. Educational Equipment Grant, Coltene/Whaledent, \$2,000.00, 9/1/94 8/30/95
3. Educational Equipment Grant, Caulk/Dentsply, \$2,000.00 3/1/95-2/28/96
4. Educational Equipment Grant, Cosmedent, Chicago, IL - \$2,782.75 7/1/95-8/30/96
5. Educational Equipment Grant, Coltene/Whaledent, \$2,000.00, 9/1/95-8/30/96
6. Educational Equipment Grant Dentatus \$2,000.00, 12/1/95-8/30/96
7. Educational Equipment Grant, Jeneric/Penetron, \$12,599.00, 4/15/96-4/15/97
8. Numerous small equipment grants from 1997 to the present

Fund Raising – UIC College of Dentistry – Department of Restorative Dentistry

Foundation Gifts – Principal Fund Raiser

\$11,500,000 Total to Date

+\$3,000,000 Pending

1. Implant and Innovations Clinical Teaching Facility \$2,500,000
ProCare Dental, Chicago, IL
Worked with Dean Bruce Graham to help secure a Donation of \$1,500,000 to support the construction of a Implant and Innovations Clinical Teaching Facility for the predoctoral and Advanced Prosthodontic Implant Programs. Pledge for 2007-08. Donation has been received in full as of 2012.

In addition, a commitment of \$1,000,000 to fund two faculty Professorships in support of the Implant and Innovations teaching programs and clinical training facility has been obtained as part of a pledge for 2009. This gift has been fully realized with the completion of the facility nearing in early 2013 and the faculty professorships to be established in 2013.

2. Educational Grants for Predoctoral Implant and Digital Transformation Programs In Excess of \$9,000,000

Astra Tech (Dentsply Implants) and Nobel Biocare, as noted above under Educational Grants Principal Investigator.

Total for 2005 – 2010 in excess of \$3,000,000.

Total for 2010 – 2017 in excess of \$4,000,000.

Straumann

Educational Gift and Grant

\$1,000,000

A non-exclusive educational grant for the predoctoral educational program. Providing implant supported care for the partially edentulous patient. Funded by Straumann -Project period – January 1, 2014 through December 31, 2017.

Henry Schein

\$1,200,000

A non-exclusive educational grant for the establishment of a Center for Digital Excellence, transforming digital dentistry and our educational and patient care programs. We are engaged in a new initiative to develop integrated, total digital solutions and technology as part of patient caring. Project period – January 1, 2014 through December 31, 2017.

3. Other - Pending

In Excess of \$3,000,000

We are presently working to secure additional resources as part of the Implant and Innovations Center, the Advanced Prosthodontic Program, and the developing Center for Digital Excellence. We are engaged in a new initiative to develop integrated, total digital solutions and technology as part of patient caring. This would include the range from diagnosis, planning, fabrication of prostheses, and the delivery of care. Embracing digital technology to provide solutions that improve learning, efficiency, and control of patient care by the practitioner/student and College. These are potential new partners for the College.



University of California, San Francisco
CURRICULUM VITAE

Name: Donald A Curtis, DMD

Position: Professor, Step 6
Preventive & Restorative Dental Sciences
School of Dentistry

Address: Box 0758
707 Parnassus Ave, Dentistry, 2232
University of California, San Francisco
San Francisco, CA 94143-0758
Voice: 476-5827
Fax: 476-0858
Email: Don.Curtis@ucsf.edu

EDUCATION

1972 - 1977	University of Oregon, Eugene, OR	B.S.	General Sciences
1977 - 1981	University of Oregon, Portland, OR	D.M.D.	Dentistry
1981 - 1983	University of Southern California, Los Angeles, CA	Certificate	Prosthodontics
1984 - 1985	University of California, Los Angeles, CA	Certificate	Maxillofacial Prosthetics

LICENSES, CERTIFICATION

1981	Northwest Regional Boards
1982	California State License 30338
1981	Certificate in Prosthodontics, University of Southern California
1984	Certificate in Maxillofacial Prosthetics, University of California, Los Angeles
1986	Certification, The American Board of Prosthodontics (Diplomate)
2003	Re-certification of Diplomate status, American Board of Prosthodontics
2007	Re-certification of Diplomate status, American Board of Prosthodontics
2013	Re-certification of Diplomate status, American Board of Prosthodontics

PRINCIPAL POSITIONS HELD

1983 - 1984	University of California, Los Angeles, School of Dentistry	Assistant Clinical Professor	Restorative Dentistry
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1983 - 1984	University of Southern California, School of Dentistry	Assistant Clinical Professor	Restorative Dentistry
1986 - 1992	University of California, San Francisco (UCSF)	Assistant Professor	Department of Restorative Dentistry, Division of Prosthodontics
1992 - 1999	University of California, San Francisco	Associate Professor	Department of Restorative Dentistry, Division of Prosthodontics
1999 - 2013	University of California, San Francisco	Professor	Department of Preventive and Restorative Dental Sciences

OTHER POSITIONS HELD CONCURRENTLY

1982 - 1983	University of Southern California, School of Dentistry	Teaching Assistant, Fixed Prosthodontics	Restorative Department
1986 - 1988	Faculty Group Practice, UCSF School of Dentistry	Prosthodontist	Faculty Group Practice
1988 - 2013	Kaiser Oakland Hospital	Consultant	Head and Neck Surgery
1988 - 2008	Merritt Hospital	Consultant	Head and Neck Surgery
1988 - 2013	Berkeley, CA	Private practice	Prosthodontist

HONORS AND AWARDS

1976	Outstanding Undergraduate Research Assistant	Psychology, University of Oregon
1982	Certificate of Recognition	California Dental Association Scientific Program
1983	Certificate of Recognition	California Dental Association Scientific Program
1986	Fellow	American College of Prosthodontists
1989	Fellow	Academy of Dental Materials
1989	Certificate of Appreciation	Sinaloa Dental Society, Mexico
1989	Pew Scholarship	Pew Foundation

1990	Honorary Membership, Omicron Kappa Upsilon	National Dental Honor Society
1990	First place. Granger-Pruden National Prosthodontic Research Award Competition.	New York Academy of Prosthodontics
1993	Certificate of Appreciation	Sonora Dental Society, Mexico
2001	Letter of commendation for teaching in 131.04, which is the dental implant course for D-3	
2002	Letter of commendation for teaching in 131.04, which is the dental implant course for D-3	
2003	UCSF Dental Faculty Recognition Award Recipient	Pierre Fauchard Academy Northern California Section
2003	Certificate of Appreciation	Taiwan National Dental Society
2004	Faculty Mentor for Elfenbaum National Essay Award for dental students (Tarkan Sidel), Second place	Special Care in Dentistry
2005	Certificate of Appreciation	Brazilian National Dental Society
2008	UCSF Department of Preventive and Restorative Dental Sciences; 20 years of University Service Certificate of Appreciation	UCSF
2008	Examiner, American Board of Prosthodontics, 2008-present	American Board of Prosthodontics
2012	Certificate of Recognition	Egyptian Dental Society
2013	Recognition and commendation for Computer Simulation in Education	CSW Computer Simulations, LLC
2013	Award from graduating residents they titled "Inspiration and evidence based clinical application." Award from graduating residents. Graduate Prosthodontics	

KEYWORDS/AREAS OF INTEREST

Dental education, assessments, feedback, multiple-choice questions, self-assessment, masticatory function, modeling, oral cancer, periodontal ligament, PDL space, micro tomography, bone-periodontal ligament-tooth fibrous joint, discontinuities, dentin, caries risk assessment, prevention and management of dental caries, erosion

CLINICAL ACTIVITIES SUMMARY

MEMBERSHIPS

1986 - 2013	American College of Prosthodontists (ACP), Fellow
1987 - 2013	California Section of ACP
1990 - 2013	Omicron Kappa Upsilon (National Dental Honor Society)
1987 - 2006	International Association for Dental Research
1987 - 2006	American Association for Dental Research
1991 - 2006	San Francisco Section AADR
1988 - 1992	Fellow, Academy of Dental Materials
1986 - 2013	California Dental Association
1986 - 2013	American Dental Association
1986 - 2013	Berkeley Dental Society
1989 - 2013	American Dental Education Association (ADEA)
1995 - 2001	International Association of Maxillofacial Prosthetics
1998 - 2013	Pacific Coast Society for Prosthodontics
2007 - 2013	American Board of Prosthodontics
2013 - 2013	ITI (International Team for Implantology) Fellow
2013 - 2013	Academy of Prosthodontics
2013 - 2014	American Education Research Association

SERVICE TO PROFESSIONAL ORGANIZATIONS

1989 - 2013	Member, Bay Area Tumor Institute	Member
1992 - 1996	Board of Directors, Bay Area Tumor Institute	Board Member
1992 - 2013	Member Berkeley Dental Society (BDS)	Member
1992 - 1996	Geriatric Committee, American College of Prosthodontists (ACP)	Member
1992 - 1996	Board of Directors, BDS	Board Member
1992 - 1996	Committee on Committees, BDS	Member
1993 - 1993	Section of Removable Prosthodontics, ADEA	Secretary
1993 - 1996	Chair, Geriatric Committee, ACP	Chair
1993 - 1995	Prosthodontic Section of Pacific Coast, ADEA	Director
1993 - 1996	Membership Committee, OKU	Member

1994 - 1996	Member, Committee on Cancer Programs, Head & Neck Cancer Steering Committee, Bay Area Tumor Institute	Member
1994 - 1995	Removable Prosthodontics Section, ADEA	Chair-elect
1994 - 1999	Consultant, California Board of Dental Examiners	Consultant
1994 - 2005	Expert reviewer for patient complaints, California Board of Dental Examiners	Expert reviewer
1995 - 1995	Nominating Committee, Prosthodontics Section, ADEA	Chair
1995 - 2006	Children's Hospital, Oakland, Pro-bono prosthodontic care	Member
1995 - 1995	Program Chair, Prosthodontics Section, ADEA	Program Chair
1995 - 2013	Omicron Kappa Upsilon (National Dental Honor Society) (OKU)	Member
1995 - 1995	Secretary, OKU	Secretary
1996 - 1996	Secretary, BDS	Secretary
1996 - 1996	Section Removable Prosthodontics, ADEA	Chair
1996 - 1996	Member, Committee on Prosthodontic Competencies for Dental Students, ACP	Member
1996 - 1999	Committee on Development of a Competency-based Prosthodontic Examination, California Board of Dental Examiners	Member
1996 - 1996	Program Chair, Geriatric Session, American College of Prosthodontists Meeting	Program Chair
1996 - 1996	Vice President, OKU	Vice President
1997 - 1997	Treasurer, BDS	Treasurer
1997 - 1997	President, OKU	President
1997 - 1997	Committee on Continuing Education, BDS	Chair
1998 - 1998	President-elect, BDS	President-elect
1999 - 1999	President, BDS	President
1999 - 2002	National Association of Dental Laboratories representative, ACP	Member
2002 - 2006	Pacific Coast Society for Prosthodontics (PCSP)	Executive Councillor
2003 - 2003	Abstract reviewer, ACP	Reviewer
2003 - 2003	Panel presentation, Writer's Workshop, ACP	Member
2004 - 2009	Consultant, American Academy of Endodontics	Consultant

2004 - 2009	Test Construction Committee for Prosthodontic Section of National Dental Boards Part II, Joint Commission on National Dental Examinations, American Dental Association. Part A, multiple-choice test	Member
2004 - 2009	Undergraduate Prosthodontic Awards, PCSP	Member
2005 - 2005	Graduate Program Participation, PCSP	Member
2006 - 2009	Member and Consultant, Western Regional Examination Boards (WREB)	Member
2006 - 2009	Consultant, Computer Simulations; prepare questions for WREB	Consultant
2007 - 2013	Prosthodontic Forum Representative, ACP	Member
2007 - 2012	Prosthodontic Forum Representative from PCSP	Member
2008 - 2013	Member, Ad hoc Committee for pre-doctoral standards	Member
2008 - 2013	Examiner, American Board of Prosthodontics	Examiner
2008 - 2009	Parliamentarian, PCSP	Parliamentarian
2008 - 2013	Board of Directors, American Board of Prosthodontics	Member
2009 - 2012	Member, Review Committee, Commission on Dental Accreditation (CODA)	Member
2009 - 2012	Manuscript Committee, PCSP	Member
2009 - 2012	Review Committee, Commission on Dental Accreditation	Member
2010 - 2010	Task Force on Occlusion Education, ACP	Member
2010 - 2011	Continuing Education Committee, ACP	Member
2010 - 2010	Scientific Session, PCSP	Co-chair
2011 - 2012	Manuscript Committee, PCSP	Chair
2011 - 2011	By-laws Committee, PCSP	Chair
2011 - 2011	Vice-president, PCSP	Vice-president
2012 - 2012	President, PCSP	President
2013 - 2013	Immediate Past President, PCSP	Past President
2013 - 2013	Public & Professional Relations Committee, PCSP	Member
2013 - 2013	Bylaws Committee, PCSP	Member
2013 - 2013	Procedural Manual Review Committee, PCSP	Chair
2013 - 2013	Committee to evaluate outreach programs, PCSP	Chair
2013 - 2013	Membership and Nominating Committee, PCSP	Member
2013 - 2014	American Board of Prosthodontics	Vice-President

2014 -	Test Construction Committee for Prosthodontic Section of National Dental Boards Part II, Joint Commission on National Dental Examinations, American Dental Association. Part B, scenario	Member
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2014 - 2014	Academy of Prosthodontics Nomenclature Committee	Member
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SERVICE TO PROFESSIONAL PUBLICATIONS

1987 - 2013	California Dental Journal, reviewer
1993 - 2013	Journal of Prosthodontics, reviewer
1996 - 2000	Journal of Dental Education, abstract reviewer
1998 - 2005	Journal of Prosthodontics. Section Editor, Academics and Education
1998 - 1998	Journal of Prosthodontics, book reviewer. Reviewed, among others, Carl Misch's book "Implant Dentistry" which was considered the standard of Implant textbooks at the time.
1998 - 2013	Journal of Prosthetic Dentistry, reviewer
2000 - 2000	California Dental Journal. Guest editor for entire Journal issue, Current Concepts of Occlusion
2002 - 2002	California Dental Journal. Guest co-editor for entire Journal issue, Treatment Planning
2006 - 2013	Journal of Dental Education, reviewer
2007 - 2007	Journal of Dental Education, book reviewer
2010 - 2013	Indian Journal of Dental Research, reviewer
2010 - 2012	Journal of the California Dental, education abstracts
2012 - 2012	Journal of Biomaterials Science, Polymer Edition, reviewer
2012 - 2012	Reviewer for Canadian Grants. MSFHR review. 2012 Career Investigators, #5145
2013 - 2013	European Journal of Dental Education, reviewer
2013 - 2013	International Journal of Prosthodontics, reviewer
2013 - 2013	Medical Education, reviewer
2014 - 2014	Editorial Board of the Journal of the American College of Dentists
2014 - 2014	Journal of Engineering in Medicine, reviewer
2014 - 2014	BMC Oral Health, reviewer
2014 - 2014	Bone, reviewer
2014 - 2014	Journal of Biomechanics, reviewer

2014 - 2014 Reviewer for Wiley Blackwell concerning proposed books in the area of implant dentistry. I recently reviewed a proposed book on Evidence Based Treatment Planning and Clinical Protocols proposed by Steven Sadowsky

INVITED PRESENTATIONS - INTERNATIONAL

1987	Free Berlin Dental School North Study Group	Guest Lecture
1988	International Association of Dental Research (IADR), 1988 (1 abstract), 1990 (1 abstracts), 1991 (1 abstract), 1993 (1abstract), 1994 (1 abstract), 1996 (1 abstract), 2003 (2 abstracts)	Lecture/Posters
1989	Sinaloa State Dental Conference, Mexico	Guest Lecture
1993	Sonora State Dental Conference, Mexico	Guest Lecture
1996	International Congress on Maxillofacial Prosthetics, Seoul, Korea	Guest Lecture
1996	International Congress on Maxillofacial Prosthetics, Seoul, Korea	Posters
1996	Fourth Military Medical University, Xian, China	Guest Lecture, Poster
1996	Beijing Medical Center, Beijing, China	Guest Lecture, Poster
2003	Taiwan National Prosthodontic Society	Guest Lecture
2005	National Brazilian Dental Society	Guest Lecture
2005	Faculty of Odontologia of Bauru, Bauru dental school, Brazil	Guest Lecture
2007	Osaka University- UCSF Joint Symposium	Guest Lecture
2010	Eastman Dental Center, London	Guest Lecture
2010	Henley on Thames Prosthodontic Study Group, London, England	Guest Lecture
2012	Alexandria International Dental Congress, Alexandria, Egypt. All day lecture to faculty on confidence in clinical decision-making.	Guest Lecture
2012	Alexandria International Dental Congress, Alexandria, Egypt. Six separate lectures over a three day period to different groups on complications with dental implants, caries and erosion, a classification of cognitive errors in dentistry, management of head and neck cancer patients.	Guest Lectures
2013	Swiss Society for Geriatric Dentistry and Handicapped Dentistry, Basel, Switzerland, CAMBRA; Caries Risk Assessment and Management	Guest Lecture

2013	I have been invited to speak at other international meetings but have declined due to safety concerns (Egypt, May, 2013), distance traveled (India, January, 2012). The declined invitations for international speaking are available upon request.	
2014	Osaka and UCSF Joint Symposium on Dental Implant Research. Planned, hosted, and moderated joint symposium of Osaka faculty and UCSF faculty on topics related to dental implants	Developed program, organized speakers, and moderated program
2014	Munich Study Club from the Bolz, Wachtel group. Focused on issues related to the buccal plate and immediate implant placement.	Informal lecture and discussion
2015	Osaka Dental School hired me for 3 weeks to work with 12 PhD students in the Graduate Program. I gave 4 lectures to the faculty (Developing Clinical Judgement in Dental Students, Developing Critical Thinking in Dental Students, Developing a Maxillofacial Prosthodontics Program, Bone Strain with Dental Implants) and one lecture to students (Dental School similarities and differences between Osaka and UCSF). I also worked every day on helping students with their projects.	Specially Appointed Professor
2015	Seoul, Korea. International College of Prosthodontics. Lecture on management of caries in the elderly	Keynote speaker
2016	Los Angeles, Ca. Clinical Practice Guidelines for the Recall and Maintenance of Patients with Tooth-borne and Implant-borne Dental Restorations	Symposium speaker

INVITED PRESENTATIONS - NATIONAL

1982	American Prosthodontic Society	Table Clinic
1983	American Prosthodontic Society	Lecture
1985	Academy of Maxillofacial Prosthetics	Poster
1995	Craniomandibular Institute. Meeting that resulted in book chapter in McNeil, Science and Practice of Occlusion	Lecture/Panel
1996	National Geriatric Society	Lecture/Poster
1987	Academy of Crown and Bridge Prosthodontics	Lecture
1987	Academy of Denture Prosthetics	Lecture
1990	Northeastern Gnathologic Society. Presentation that resulted in winning first place in the Granger-Pruden National Prosthodontic Research Award Competition	Lecture
1991	Academy of Denture Prosthetics	Lecture

1991	Academy of Maxillofacial Prosthetics	Poster
1993	Pacific Coast Society for Prosthodontics	Lecture
1996	Academy of Maxillofacial Prosthetics	Lecture
2008	Academy of Prosthodontics	Lecture
2008	Academy of Maxillofacial Prosthodontics	Lecture
2008	American College of Prosthodontists, Educator's Conference	Lecture
2009	American Dental Education Association, Symposium on self-assessment and what it means	Symposium Coordinator, Lecture
2009	American College of Prosthodontics, Educator's Conference	Lecture
2009	American College of Prosthodontics, General Session	Lecture
2010	American Dental Education Association, Presidential Symposium	Presidential Symposium, coordinator and lecture
2010	University of Kentucky Faculty Conference; primary lecturer on use of self-assessment	All morning lecture
2012	University of Pacific Faculty Development; Use of Multiple-Choice Questions- uses and abuses	Lecture
2012	University of Connecticut Dental School, invited lecturer, prosthodontic outcomes and dental occlusion	All day lecture
2012	US Army at Fort Gordon, Georgia. Series of lectures over two days on topics relating to complications with dental implants, clinical judgment, a taxonomy of cognitive errors in dentistry.	Lecture, demonstration
2013	American College of Prosthodontists, General Session. A classification of cognitive errors in dentistry	Lecture
2013	American College of Prosthodontists, Educator's Forum. The Use of Assessments for the Development of Trainees.	Lecture/Panel
2014	US Navy Dental faculty and prosthodontic residents and University of Maryland faculty and graduate prosthodontic residents. All day lecture at University of Maryland on confidence and clinical decision making.	All day lecture
2014	Prosthodontic Educators Conference, American College of Prosthodontists. How to Teach and Assess Clinical Skills	Lecture
2014	Meaningful admissions criteria by which to evaluate candidates applying to graduate prosthodontics programs.	Panel
2014	US Army at Fort Gordon, Georgia. All day lecture on principles of feedback to trainees. I also reviewed updates on caries and on dental implants.	Lecture, discussion

2015	American College of Prosthodontists, Educator's Forum. Assessment and Management of Caries	Lecture
2015	American College of Prosthodontists, Educator's Forum. Test construction for a Multiple-Choice Question Assessment	Lecture

INVITED PRESENTATIONS - REGIONAL AND OTHER INVITED PRESENTATIONS

1982	University of Southern California Alumni Day	Table Clinic
1982	Residents Intercity Prosthodontic Conference, University of Southern California	Lecture
1983	California State Dental Society	Table Clinic
1984	University of California, Los Angeles, Graduate Prosthodontics	Lecture
1985	University of California, Los Angeles, Graduate Prosthodontics	Lecture
1988	UCSF Chancellors Seminar	Lecture
1988	Psi-Omega Fraternity	Lecture
1988	Bay Area Prosthodontic Study Group	Lecture
1989	Geriatric Education Project, American College for Prosthodontists	Panel
1990	Medical-Dental Study Guild	Lecture
1991	Berkeley Dental Society	Lecture
1991	Doctors Hospital Study Group	Lecture
1993	East Bay Women's Study Club	Lecture
1993	Chabot College Dental Hygiene Program	Lecture
1993	Bay Area Tumor Institute	Lecture
1993	UCSF Implant Seminar	Lecture
1994	UCSF Dental Alumni	Lecture
1995	UCSF Dental Alumni, Gurley Memorial Lecture	Lecture
1995	World Presidents' Organization Conference	Lecture
1996	UCSF World Presidents Organization Spouse Program	Lecture
2000	University of the Pacific Dental School- Risk factors with dental implants	Lecture
2001	Oral and Maxillofacial Surgery- Experiments with distracted bone	Lecture
2002	Contra Costa Dental Society	Lecture
2003	Santa Clara Dental Society	Lecture
2003	Berkeley Dental Society	Lecture
2003	Alameda Study Club	Lecture

2005	Alameda Dental Society	Lecture
2006	Marin Academy Study Club	Lecture
2008	St. Mary's College of California, on global oral health	Lecture
2009	St. Mary's College of California, on global oral health	Lecture
2010	UCSF Dental Alumni Meeting, John Gurley Lecture	Lecture
2010	Contra Costa Dental Society	Lecture
2012	School of Dentistry Faculty Retreat, on assessments	Lecture
2012	4th Annual Los Gatos Dental Meeting	Lecture
2011	ITI (International Team for Implantology) USA	Lecture
2013	ITI (International Team for Implantology) USA	Lecture
2013	School of Dentistry, Preventive and Restorative Dental Sciences Department Retreat, on feedback	Lecture
2014	Berkeley City Club. Asked to lecture on confidence and clinical decision making among health care providers	Lecture
2015	UCSF Dental Alumni Meeting. Lecture on Complications with Dental Implants	Lecture and discussion

CONTINUING EDUCATION AND PROFESSIONAL DEVELOPMENT ACTIVITIES

I have annually met the Continuing Education requirement for the State of California for licensure. I have a current certificate in basic life support and am compliant with the Sexual Harassment Prevention training.

GOVERNMENT AND OTHER PROFESSIONAL SERVICE

1994 - 1999	Expert reviewer for patient complaints, California Board of Dental Examiners	Expert Reviewer
2005 - 2005	Expert witness for Donald Sharrer, et al. v. Charlene Zettel, et al.: U.S.D. C. Involved patients wanting to be seen by "denturists". I worked with Joshua Room and Bill Lockyer, Attorney General, State of California, Department of Justice	Expert Consultant
1996 - 1999	Committee on Development of a Competency-based Prosthodontic Examination, California, Board of Dental Examiners	Committee Member
2012 - 2012	Consultant to US Army at Fort Gordon, Georgia. Series of lectures over two days on topics relating to complications with dental implants, clinical judgment, taxonomy of cognitive errors in dentistry.	Lecturer and Consultant

2012 - 2012	Reviewer for Canadian Grants. MSFHR review. 2012 Career Investigators (5145) Project: Delivery of Implant Supported Restorations in Head and Neck Cancer Patients.	Reviewer
2013 - 2013	Affiliation as an Education Consultant to Universidade Federal de Espírito Santo (UFES) in Vitoria, Brazil	Consultant
2014 - 2014	All day lecture to US Navy dental faculty on confidence and clinical decision-making	Lecture
2014 - 2014	The FDI World Dental Federation in conjunction with GlaxoSmithKline (GSK) has hired me to review and improve training modules that will be used for training dental professionals. I am currently working on the "Sensitivity and Acid Erosion" module. I am excited about this as i think the future of dental education will include much more of these types of interactive modules.	Consultant

SERVICE ACTIVITIES SUMMARY

I have been involved in public, professional, and University service. Public service activities include cooking and delivering over 4,600 meals during the last 11 years to the homeless shelter in Alameda for Woman and Children. My wife and I are active in school and church fund raising. I continue to serve on the Bay Area Tumor Institute providing free consultations to patients requiring prosthodontic services for the management of head and neck cancer. Professionally I have been president of numerous organizations including the Berkeley Dental Society, Pacific Coast Society for Prosthodontics (PCSP), and will assume Presidency of the American Board of Prosthodontics in 2014. I am especially pleased with my activities with the PCSP in creating membership momentum and developing fund raising levels so that we can initiate some outreach programs into underserved communities.

My most active years of service to UCSF were during 1993-2003 where I was Chair of the Faculty Council, Chair of Admissions Committee, Representative from the School of Dentistry to the Long Range Development Plan (LRDP), President of OKU Honor Society, Chair of Educational Policy Committee, Chair Dental 4th Year Student Status, and Chair of Executive Committee of Student Status. Many positive things happened during this period, including moving to a pass/no pass grading criteria, having an active educational program where structured student feedback was provided to faculty, a faculty active in school governance, and active overnight faculty retreats.

I currently serve as the UCSF representative to the University of California Educational Policy Committee (UCEP) system-wide and vice-chair of the Academic Senate Committee on Educational Policy. The UCSF climate for professional development in education is very favorable right now, and encouraging faculty to actively participate in their continuing development is a priority. Involvement with these education committees as well as the Medical Education Department has allowed me to present new ideas to the dental school where I am confident we can develop even more scholarship in educational research and improved clinical teaching. I firmly believe the dental school, while consistently leading all other dental schools in NIDCR funding, can also become recognized as the international leader in dental educational research. I would love to see this occur and be an active participant in achieving this goal.

Diversity

Diversity is an important and essential element for a balanced, socially responsible public institution. When diversity is an institutional value, faculty must accept personal responsibility for its implementation. I advocated this very strongly during my time on the Committee on Equal Opportunity (2009-2012). I feel comfortable identifying, for the first time, some of my accomplishments in promoting diversity. I have been active in promoting programs and individuals to improve gender and racial diversity in our teaching programs, organized dentistry, and in our community. For example, I was responsible for recruiting Dr. James Sweeney (drjsll@aol.com)(now retired) to teach part time in the UCSF clinics. When president of the Berkeley Dental Society I recruited Drs. Susan Caliri and Ariane Terlet. Dr. Terlet became active in the California Dental Association, including serving as a member of the Board and as an advocate for Latino issues. One of my post-doctoral students (Stefania Kano, stefaniakano@gmail.com) told me her UCSF training and published articles helped her to break through the glass ceiling that exists for many women in Brazil, resulting in her current faculty position.

In the local community I have been active with three groups. The Partners Program in Oakland (<http://www.college-prep.org/about/the-partners-program/index.aspx>), which many recognize as the single best middle school intervention for at risk youth in the country with a 96% college graduation rate. Much of the progress with the Partners Program in the past 20 years should be attributed to Steve Berger. My role with this group is as a fund raiser, and as an educational resource to Steve. I would say my most significant contribution educationally was to review the literature on peer learning and advocate for peer learning which is the educational model they ended up adopting. I also am active with Mr. Fred Clark and the (<http://catholic-sf.org/ns.php?newsid=25&id=60995>) St. Peter School in San Francisco helping provide educational scholarships principally for Latino middle school children. My role in this group is solely as a fund raiser. My wife and I are also active with the Alameda homeless shelter as described above (<http://www.midwayshelter.org>).

UNIVERSITY SERVICE

UC SYSTEM AND MULTI-CAMPUS SERVICE

2013 - 2015 University of California Educational Policy representative (UCEP)

UCSF CAMPUSWIDE

1995 - 1995	Ad hoc Review Committee	Member
1996 - 1997	Academic Senate Committee on Courses of Instruction	Member
1998 - 1998	Academic Senate Committee on Academic Freedom	Member
2000 - 2002	Academic Senate Committee on Courses of Instruction	Member
2003 - 2003	Academic Senate Leadership Retreat	Participant
2003 - 2003	Ad hoc LRDP planning Committee	Represented School of Dentistry

2003 - 2003	Ad hoc committee to select teaching award recipients	Member
2004 - 2004	Academic Senate Leadership Retreat	Participant
2003 - 2005	Academic Senate Coordinating Committee	Member during time I was Chair, School of Dentistry Faculty Council
2002 - 2002	Ad hoc investigation of probable cause	Chair
2009 - 2012	Academic Senate Committee on Equal Opportunity	Member
2012 - 2013	Academic Senate Vice-Chair, Committee Educational Policy	Vice-Chair
2013 - 2013	Distinction in Mentoring Award Selection Committee	Member
2013 - 2014	Academic Senate Task Force to revise Appendix VII, dealing with due process of students having academic difficulty.	Member

SCHOOL OF DENTISTRY

1986 - 1989	Research Committee	Member
1987 - 2000	Geriatric Coordinating Committee	Member
1988 - 1990	Task Force on Infectious Disease Control	Member
1988 - 2000	Occlusion Task Force	Member
1990 - 1990	Pew Planning Committee: Graduate Programs	Member
1990 - 1990	Search Committee for Restorative Department Chair	Member
1990 - 1992	Panel Chair, Admissions Committee	Panel Chair
1991 - 1992	Executive Committee of Admissions Committee	Section Chair
1993 - 1994	Admissions Committee	Chair
1993 - 1994	Scholarship Committee	Member
1994 - 1995	Dental 4 Student Status	Chair
1994 - 1996	Committee on Courses of Instruction	Member
1994 - 1995	Executive Committee for Student Status	Chair
1996 - 2002	Research Committee	Member
1996 - 2002	Academic Planning and Budget Committee	Member
1997 - 2002	Educational Policy Committee	Member
1996 - 1998	Subcommittee of APB on Managed Care	Member

1997 - 1999	Subcommittee to Evaluate International Dental Program	Member
2000 - 2002	Educational Policy Committee	Chair
2002 - 2003	Faculty Council, School of Dentistry	Vice-Chair
2002 - 2003	Technology Committee	Member
2004 - 2004	Search Committee for position in periodontics	Member
2003 - 2005	Dean's Council	Member as Chair of Faculty Council
2003 - 2003	Academy of Dental Educators	Member
2003 - 2003	Organized the Fall Faculty Retreat	Organizer
2003 - 2005	Chair, Faculty Council for School of Dentistry	Chair
2003 - 2005	Accreditation Steering Committee	Member
2004 - 2004	Organized the Fall Faculty Retreat	Organizer
2005 - 2007	UCSF School of Dentistry Task Force on Women and Under-represented Minorities	Member
2006 - 2007	Blue Ribbon Panel on Admissions	Chair
2006 - 2013	Interviewer, Admissions Committee, Graduate Prosthodontics	Member
2007 - 2008	Search Committee, position in periodontics	Member
2007 - 2008	Search Committee, position in prosthodontics	Member
2009 - 2009	Reviewer, summer fellowship proposals	Reviewer
2008 - 2009	Reviewer of Abstracts, School of Dentistry Research Day	Judge
2008 - 2009	Interviewer, Admissions Committee for Dental Student Admissions	Member
2010 - 2010	Portfolio Working Group	Member
2010 - 2013	Global Oral Health Steering Committee	Member
2010 - 2012	Faculty Council Representative for School of Dentistry	Member
2010 - 2011	Dental Student First Year Mentoring program	Mentor
2009 - 2013	Committee for Clinical Excellence Awardee	Member
2014 - 2014	Summer Research Fellowship Program	Reviewer

DEPARTMENTAL SERVICE

1990 - 2002	Animal Research Committee for Restorative Department	Member
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1990 - 1990	Search Committee for Prosthodontic Position	Member
1991 - 1991	Search Committee for Prosthodontic Position	Member
1991 - 2006	National Board Review Program for Prosthodontics	Volunteer
1991 - 1991	Search Committee for Chair of Restorative Department	Member
1991 - 2005	Faculty Advisor for Junior and Senior Dental Students	Advisor
1995 - 1995	Co-Chair, Take Your Children to Work	Co-Chair
1998 - 2009	State Board Review Program for Prosthodontics	Volunteer
2006 - 2006	Search Committee for Prosthodontic Position	Member
2009 - 2011	National Board Review Program for Prosthodontics	Volunteer
2013 - 2013	Member, Peer Review Committee	Member

COMMUNITY AND PUBLIC SERVICE

1985 - 1985	Sierra Club, Friends of Mono Lake; active involvement in numerous environmental groups	Member
1986 - 2010	Bay Area Tumor Institute. Head and Neck Pre-treatment Conference. Meet bi-monthly to treatment plan patients who have head and neck tumors. We examine patients, answer questions and discuss treatment options.	Member
1987 - 1989	Board of Directors, Pelican Bay Homeowners Association	Board of Directors
1991 - 2000	Consultant to Associated Students Community Health Program	Consultant
1991 - 2013	Expert witness including deposition work and court testimony	Expert Witness
1998 - 2000	Board of Directors, Citizen's League for Airport Safety & Serenity. We were successful in our lawsuit against Oakland Airport.	Board of Directors
1991 - 2004	Sponsor, coach, and participant in national open division team triathlon. 10th place, 1996	Participant
1992 - 1996	Board of Directors, Bay Area Tumor Institute. The Directors meet four times a year to plan programs for community awareness or research protocols for cancer patients of the Bay Area	Board of Directors
1993 - 2000	American Medical Forensic Specialists	Consultant
1994 - 2013	First Presbyterian Church	Member
2002 - 2013	Prepare and deliver 35 dinners on 2nd Wednesday of each month to Alameda Homeless Midway Shelter. This is run through the Building Futures with Women and Children Program. My wife and I have prepared and delivered over 4,600 meals over the last 11 years (http://www.midwayshelter.org/).	With my wife

- 1994 - 2013 Prison Fellowship. This is part of the Angel Tree program where we Participant
organize church members to buy and deliver gifts to children of
incarcerated people of Alameda and Oakland. We purchase and
deliver the gifts a few days before Christmas. My wife and I are the
organizers for our church
(<http://www.prisonfellowship.org/programs/angel-tree/>).
- 2015 - 2015 Developed and wrote an American College of Prosthodontics Author
position statement on the need for water fluoridation. This position
statement is on the patient portal for the ACP

TEACHING SUMMARY

I have been an active educator and an advocate for evidence-based approaches to educational programs. During my term as Faculty Council Chair we were successful in moving the faculty to a pass/no pass system of assessment, which is much more common in medical schools than dental schools. I led the faculty debate on this at the 2003 Faculty Retreat where, after considerable discussion, the faculty voted to become the fourth pass/no pass dental school in the country.

I have been actively involved in developing the assessments for the California State Dental Board (1996-1999), the Western Regional Dental Board (2006-2009), the specialty Board for the American Board for Prosthodontics (2008-present), the National Boards Part II (2004-2009), providing students with the California State Board and the National Board review courses. My involvement in these regional and national groups has sensitized me to the limits and perils of the inferences we make from assessments, and taught me how to better structure assessments to optimize direct and indirect learning.

Context-based assessments have become the goal in clinical programs, and my clinical expertise and a solid background in pedagogy have improved my ability to develop context-based assessments and advance assessment programs with which I am involved. This combination of backgrounds was not an intentional goal, but evolved throughout my career. It has also allowed me to introduce educational best practices to my peers. For example, I have been asked three times over the past five years to speak to the American College of Prosthodontists Educators Meeting, which includes nearly all the graduate prosthodontic program directors from the US and faculty representatives from both the US and foreign dental schools. This is not clinical teaching, but rather peer development, an arena in which I am more and more frequently asked to present, nationally and internationally. Of our research findings, the audiences seems to be most interested in the concordance of confidence and accuracy as a way to measure professional development, our consistent finding of high percentages of trainees being confident even when incorrect, and our finding that the miscalibration of confidence/correctness is more pronounced in clinical domains where there is higher potential compensation. Participant responses listed below are examples of the feedback I received from the international audience at the recent ACP (October, 2013).

I continue to work with numerous faculty on projects related to improving the educational programs at UCSF. Currently I am working with Mark Dellenges DDS, on a research project to evaluate our ability to improve multiple-choice question writing by faculty, and am working with

dental students on surveys they want to use at the American Dental Education Association meeting.

I am currently running the Current Literature Review course in the Graduate Prosthodontic Residency program. What makes this course fun to teach is how organic the course is. We select topics and issues that parallel things happening in the clinics. For example, when we recently saw a couple dental implants fail to integrate, we read current articles related to that topic the same week. The Current Literature Review also includes a discussion of methods and statistics as they relate to the reviewed articles. I also lecture to the D-3 students on decision-making and treatment planning dental implants in the partially and completely edentulous patient and to the D-4 students on complications that may occur with dental implants. I try to challenge students, explain why learning the material is important, and what is important in being a professional. I am also a guest lecturer in some basic science courses for graduate students.

I continue to work with prosthodontic residents on research projects and meet weekly in seminars and "chalk talks" with graduate students in Dr. Sunita Ho's laboratory. Students in Dr. Ho's course are often pursuing a PhD but do not have a DDS. A recent E-Eval Report from that course stated my lecture was "One of my favorite lectures of this course. Very engaging, knowledgeable, and facilitated great discussion among both PhD students and residents. This was a rarity." My goal in lecturing to mixed groups is to stimulate discussion and debate between the basic scientists and clinical trainees. The involvement with the residents and graduate students has increased my informal teaching hours significantly. My involvement as an American Board of Prosthodontics Board member has resulted in many more mentoring requests from trainees and faculty at UCSF, nationally, and internationally.

RESEARCH AND CREATIVE ACTIVITIES

RESEARCH AWARDS AND GRANTS

FORMAL TEACHING

Not UCSF	Academic Yr	Course No. & Title	Teaching Contribution	School	Class Size
	1987 - 1987	Restoring and maintaining the compromised dentition for the geriatric patient. Lecture - UCSF Continuing Education			

Not UCSF	Academic Yr	Course No. & Title	Teaching Contribution	School	Class Size
	1988 - 1988	Prosthodontic update: Materials and methods in current prosthodontic practice. Lecture - UCSF Continuing Education			
	-	Course No. & Title	Teaching Contribution		Class Size
	2000 - 2000	Restorative Dentistry 188, Orofacial Pain	Lecturer		10
	2000 - 2013	Restorative Dentistry 418-428-438, Prosthodontics Clinic	Clinic Instructor		10
	1995 - 2013	PCC 131-134 Foundations of General Dentistry	Course Lecturer		112
	2002 - 2013	PCC 149 Foundations of General Dentistry	Course Lecturer		112
	2009 - 2009	Current Literature Review for Graduate Prosthodontic Students	Course Director		12
	2012 - 2013	PRDS 203 Mineralized Tissues: Science, Engineering and Clinical Aspects	Lecturer		12
	2005 - 2008	Gr Devel 122, Clinical Orthodontic Research	Lecturer		12
	2008 - 2013	Maxillofacial Prosthodontics Course for Graduate Prosthodontic Residents	Lecturer, course is given every third year		12
	2013 - 2013	Dr. Hossaini's second year Standardized Patient Exercise course	Evaluator		112

INFORMAL TEACHING

1988 - 1988	Recent research in restorative dentistry. Lecture. UCSF Faculty Panel. Asilomar, California.
1990 - 1990	Bone density changes in the cranoskeleton associated with alterations in the occlusion. Dental Student Conference on Research. Lecture, UCSF.
1998 - 2008	State Board Review for senior dental students.
1998 - 2000	Instructed Graduate Prosthodontic Residents on use of Pantograph
1995 - 2008	National Board Review for junior dental students.
2000 - 2007	Evening seminar reviewing internal connection implants to D-3 students
2000 - 2003	Evening seminar reviewing external connection implants to D-3 students
2000 - 2008	Coordinate many of the dental student experiences with implant prosthodontics
2005 - 2013	Mock Boards in Graduate Prosthodontics
2010 - 2013	I am consistently available to residents outside of formally published clinic or teaching schedules. I am in contact with residents virtually every day, including evenings and weekends, by e-mail, text, and phone calls. I respond to patient care questions, laboratory prescription signatures, and review digital images for treatment plans. On days scheduled for research, I will typically be in the Graduate Prosthodontic Clinic at least twice.

PREDOCTORAL STUDENTS SUPERVISED OR MENTORED

Dates	Name	Program or School	Mentor Type	Role	Current Position
1992 - 1992	Paul Kasrovi	DDS		MS Advisor, Mentor	Part time faculty UCSF, private practice, co-author
1993 - 1993	Donna Barpal	DDS		Mentor, co-author	Private practice
1996 - 1996	Under-represented college students	Undergraduate Mentorship Program		Mentor	
2003 - 2003	5 D-1 students	Mentorship program		Mentor	Graduated
2004 - 2004	5 D-1 students	Mentorship program		Mentor	Graduated
2010 - 2010	5 D-1 students	Mentorship program		Mentor	Students

Dates	Name	Program or School	Mentor Type	Role	Current Position
2009 - 2010	Christina Tran	DDS		Mentor, involved in ADEA,	Graduated
2009 - 2010	Mark Bellisario	DDS		General, Mentor	Now in Graduate Prosthodontics
2013 - 2013	Rosalie Bittong	DDS		Education Mentor	Working on education project(s)
2012 - 2013	Janelle Greene	DDS		Research Mentor	Research projects, career mentoring

POSTDOCTORAL FELLOWS AND RESIDENTS MENTORED

Dates	Name	Fellow	Mentor Role	Faculty Role	Current Position
2006 - 2009	Becky Gong	Postgraduate Prosthodontic Resident		Instructor / Clinical Supervisor	Private practice, part time at University of the Pacific
2006 - 2009	Sundeep Rawal	Postgraduate Prosthodontic Resident		Instructor / Clinical Supervisor	Private practice in Florida
2006 - 2009	Sukhmani Singh	Postgraduate Prosthodontic Resident		Instructor / Clinical Supervisor	Private practice
2006 - 2009	Ann Wei	Postgraduate Prosthodontic Resident		Instructor / Clinical Supervisor	Private practice, part time at UCSF
2007 - 2010	Samuel Chiu	Postgraduate Prosthodontic Resident		Instructor / Clinical Supervisor	Private practice
2007 - 2010	Don Leopoldo Jayanetti	Postgraduate Prosthodontics Student		Instructor / Clinical Supervisor	Private practice

Dates	Name	Fellow	Mentor Role	Faculty Role	Current Position
2007 - 2010	Alejandro Urdaneta	Postgraduate Prosthodontic Resident		Instructor / Clinical Supervisor	Faculty, Western University of Health Sciences
2008 - 2011	Natalie Buu	Postgraduate Prosthodontic Resident		Instructor / Clinical Supervisor	Faculty, UCSF
2008 - 2011	Cynthia Morford	Postgraduate Prosthodontic Resident		Instructor / Clinical Supervisor	Private practice
2009 - 2012	Eric Wong	Postgraduate Prosthodontic Resident		Instructor / Clinical Supervisor	Private practice
2009 - 2012	Alex Won	Postgraduate Prosthodontic Resident		Instructor / Clinical Supervisor	Private practice
2009 - 2012	Catherine Do	Postgraduate Prosthodontic Resident		Instructor / Clinical Supervisor	Private practice
2009 - 2012	Justin Shek	Postgraduate Prosthodontic Resident		Instructor / Clinical Supervisor	Faculty, UCSF; Private practice
2010 - 2013	Kaushal Dhawan	Postgraduate Prosthodontic Resident		Instructor / Clinical Supervisor	Faculty University of Colorado
2010 - 2013	Kevin Lin	Postgraduate Prosthodontic Resident		Instructor / Clinical Supervisor	Private practice
2010 - 2013	Junsik Kim	Postgraduate Prosthodontic Resident		Instructor / Clinical Supervisor	Private practice
2010 - 2013	Kenneth Moore	Postgraduate Prosthodontic Resident		Instructor / Clinical Supervisor	Private practice
2011 - 2011	Sara Han	Postgraduate Prosthodontic Resident		Instructor / Clinical Supervisor	Resident

Dates	Name	Fellow	Mentor Role	Faculty Role	Current Position
2011 - 2011	Mark Bellisario	Postgraduate Prosthodontic Resident		Instructor / Clinical Supervisor	Resident
2011 - 2012	Michaela Nguyen	MS in Dental Hygiene		Internal Mentor	University of Southern California, faculty
2012 - 2012	Clark Chen	Postgraduate Prosthodontic Resident		Instructor / Clinical Supervisor	Resident
2012 - 2012	Alex Matosian	Postgraduate Prosthodontic Resident		Instructor / Clinical Supervisor	Resident
2012 - 2012	Gloria Khoo	Postgraduate Prosthodontic Resident		Instructor / Clinical Supervisor	Resident
2013 - 2013	Michael Singer	Postgraduate Prosthodontic Resident		Instructor / Clinical Supervisor	Resident
2013 - 2013	Sasha Valentin	Postgraduate Prosthodontic Resident		Instructor / Clinical Supervisor	Resident
2013 - 2013	Loren Lee	Postgraduate Prosthodontic Resident		Instructor / Clinical Supervisor	Resident
2013 - 2014	Jing Du	Post-doctoral student in research lab of Sunita Ho		Mentor/advisor on research projects	Post-doctoral student
2013 - 2014	Andrew Jang	Doctoral student in research lab of Sunita Ho		Mentor/advisor on research projects	Doctoral student

FACULTY MENTORING

Dates	Name	Position while Mentored	Mentor Type	Mentoring Role	Current Position
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Dates	Name	Position while Mentored	Mentor Type	Mentoring Role	Current Position
1997 - 2013	Paul Kasrovi	Dental student, graduate student, faculty		General, MS Advisor, co-author	Part-time faculty, UCSF
1999 - 2013	Donna Barpal	Dental student, Resident, Colleague		General, co-author	Part-time clinical faculty UCSF, now private practice
2003 - 2013	Lauren Hebel	Resident		General, helped with Board preparation	Part-time clinical faculty, UCSF
1999 - 2013	Edward Hems	Graduate Student in Prosthodontics, Colleague		General, MS Advisor, co-author	Eastman Dental Center, London and private practice
1997 - 2013	John Sorenson	Co-investigator		General, co-author	Professor, University of Washington
1998 - 2013	Belinda Head	Faculty member at University of Pacific		General, MS Advisor, co-author	Faculty member at University of Pacific, former director of implant program, currently private practice
2004 - 2013	Stefania Kano	Post-doc student, co-author,		General, post-doc advisor, co-author	Faculty in San Paulo, Brazil
2009 - 2013	Sophia Saeed	UCSF faculty		Education advisor research	UCSF faculty
2009 - 2013	Mark Dellinges	UCSF faculty		Education advisor, co-author	UCSF faculty

Dates	Name	Position while Mentored	Mentor Type	Mentoring Role	Current Position
2010 - 2013	Steve Sadowsky	University of Pacific		General	University of Pacific faculty
2000 - 2013	Henry Wu	UCSF faculty, private practice		General, co-author	Part-time UCSF, currently private practice
2011 - 2013	Justin Shek	UCSF faculty		General, co-author	UCSF faculty
2011 - 2013	Ann Wei	Graduate Student in Prosthodontics		General, helped with Board preparation	UCSF faculty
2007 - 2008	Renato Fajardo	Visiting Professor from Brazil		General, co-author	Faculty, San Paulo State University
2007 - 2013	Gaurav Setia	Faculty, UCSF		General, co-author	Faculty, UCSF
2005 - 2013	Samuel Lind	Faculty, St Mary's College of California		General, co-author	Faculty, Saint Mary's College of California
2008 - 2013	Raymond Chu	Private Practice		General, co-author	Private practice
2010 - 2013	Jay Jayanetti	Graduate Student in Prosthodontics		General, co-author	Faculty, Louisiana State University Health Sciences Center
2010 - 2013	Sukhmany Singh	Graduate Student in Prosthodontics		General, co-author	Part-time UCSF Private practice
2010 - 2013	Sam Chiu	Graduate Student in Prosthodontics		General, help with Boards	Private practice

Dates	Name	Position while Mentored	Mentor Type	Mentoring Role	Current Position
2009 - 2013	Rebecca Boardman	Graduate Student in Prosthodontics		General, career	Part-time UCSF, private practice
2010 - 2013	Brian Kucey	Prosthodontic organizations		General, career	Part-time University of Alberta, private practice
2009 - 2013	Terry Eggleston	Prosthodontic organizations		General, career	Part-time UCSF, private practice
2010 - 2013	Judith Strutz	Prosthodontic organizations		General, career	Part-time UCLA, private practice
2009 - 2013	Christopher Travis	Prosthodontic organizations		General, career	Part-time USC, private practice
2000 - 2013	Rich Kao	UCSF faculty		General, co-author	Part-time UCSF, private practice
2010 - 2013	Jonathan Wiens	Prosthodontic organizations		General, co-author	President, American College of Prosthodontics, part-time Mercy Detroit
2010 - 2013	Kimberly Kim	Prosthodontic organizations		General, co-author	Part-time UCSF, private practice
2003 - 2014	Stefania Kano	Faculty member, UFES, Brazil		General, co-author	Faculty, UFES, Brazil
2014 - 2014	Raquel Baroni	Visiting faculty member, UFES, Brazil		General, sent by UFES asking for help to set up education research program	Faculty, UFES, Brazil

RESEARCH AND CREATIVE ACTIVITIES SUMMARY

The primary focus of my research program has been form/function relationships in mastication. Most recently, I have also emphasized education research. In the past three years the two themes have been fairly even in effort but not publication numbers (form/function 9 articles 8 book chapters, versus 5 articles, 1 podcast in education). I begin with the significance of my recent work in education research and then that in mastication. I am dedicated to both areas of research and see them as complementary.

"Before making a clinical decision, we consider our confidence in the decision, the likelihood of it being correct, and the potential harm that might occur should it be wrong. Why shouldn't trainees consider the same issues during formative didactic training? Curtis *et al.* evaluated dimensions of student confidence in relation to the accuracy and potential clinical impact of answers on a multiple-choice assessment. Evaluating confidence and correctness allowed for the identification of the uninformed (incorrect and unsure) as opposed to the misinformed (incorrect but confident) student, thereby identifying strongly held incorrect beliefs. Identifying and reshaping what students *think* they know may be as important as measuring what students *do* know."

This is the introduction I wrote for an article published in the June, 2013 Medical Education issue and represents my educational research focus, which is improving feedback to students. Our research argues that the concordance of confidence and correctness is an important dimension of becoming an expert and more important than the singular focus on knowledge. Clinical judgment in trainees is not developed from binary feedback (correct/incorrect), but asking them to reflect when they are making clinical decisions. By asking students to consider confidence and clinical impact during formative didactic MCQ assessments, we are asking them to consider more of the dimensions important in clinical decision-making.

The other related educational focus is how we, as clinicians, process feedback and account for adverse outcomes. Do we learn from our mistakes? In dentistry, cognitive or diagnostic errors as a basis for adverse clinical outcomes are largely ignored. Because of my work in this area, I was asked to write a guest editorial for the International Journal of Oral and Maxillofacial Implants (June, 2013) on cognitive errors in dentistry. A few of the key points I identified are summarized below:

"The calibration of confidence and correctness is especially important in dentistry, since we have few sources of effective feedback by which to monitor the effectiveness of our treatment or our professional development. Unlike our medical colleagues who are granted privileges by credentialing committees from their respective hospitals, dentists tend to practice independently, deciding themselves which procedures are offered to their patients. It is easy for the clinician to make the same mistake multiple times and find "externalized" explanations, or see the errors in prior treatment of a recently referred patient but not their own treatment. We often forget human judgment is distorted by cognitive, perceptual, and motivational biases, and that these biases are often recognized in others but not in ourselves."

"Many of us have been providing clinical care for a while have developed lectures on complications, often based on treatment we have provided. Humble pie is a healthy first step. Recent national meetings have included scientific sessions devoted to nothing but complications. However, missing from these lectures and scientific forums is a healthy discussion of cognitive errors. We all make errors in judgment. Consideration of cognitive errors as a basis for adverse outcomes and development of a taxonomy of cognitive errors in

dentistry would be a welcome start to providing relevant feedback to clinicians that could ultimately improve patient outcomes."

We recently developed a taxonomy of cognitive errors in dentistry and hope to have the manuscript accepted for publication before January 15, 2014. We determined the most common cognitive error in dentistry was being refractory to altering the treatment direction based on the available information. Often there are data suggesting that the clinical care direction should be changed, but frequently we ignore this information, resulting in an adverse outcome. We also determined that complications in treatment can often be avoided, and are usually based on errors in diagnosis which are later manifested in treatment outcomes. We conclude by stating feedback from mentors and peers is important, but underemphasized is how clinicians respond to feedback from their environment. We hope this information and research will change the culture in dentistry to one more accepting of an open discussion of cognitive errors.

My research focus over the past 25 years has been on oral function following alteration in anatomic form. Initially, much of the work was with animal models evaluating early and late adaptations to altered occlusion. Later, we evaluated function and adaptations in oral cancer patients with clinical studies and simulation models. More recently, we have been looking at adaptations within the supporting tissues of the periodontal ligament, bone and cementum to altered loading and function.

The adaptability of craniofacial function to alteration in anatomic form is important to understand. We have shown that functional adaptations can occur both locally and in distant anatomic sites in both hard and soft tissue. In a series of experiments using adult rhesus macaque monkeys fitted with splints designed either to deviate the mandible laterally or open it vertically, local dentoalveolar adaptations occurred first, but remodeling in distant bony sites such as the neck of the condyle occurred later. In a related second study, we showed that vertical opening while maintaining occlusal stability (no deviation of the jaw) resulted in few measurable changes. The significance of these papers was to show that the common clinical procedure of increasing the occlusal vertical dimension when the dentition is severely worn may be possible in adults if occlusal stability is maintained, and that when occlusal stability is not maintained, both dentoalveolar and craniofacial adaptations at different time points are likely to occur. This work has continued with a recent publication (Jaw Biomechanics after Segmental Mandibular Resection and Reconstruction Hannam AG, Stavness K, Lloyd JE, Fels S, Miller AJ, Curtis DA J Prosthet Dent 2010) and was presented at the American College of Prosthodontists meetings (2009, 2013), and in Alexandria, Egypt (2012).

Patients with oral cancer are an excellent model by which to better understand how alterations in anatomic form influence function. Because these patients are very heterogeneous, we have used computer modeling to isolate variables that may impact masticatory function in very specific groups such as hemimandibulectomy (HM) patients. Through a series of experiments, we demonstrated incisal biting force is more dramatically impacted than first molar bite force in HM subjects, and that the clinically observed phenomenon of frontal plane rotation can be predicted and understood from a developed modeling program (Hannam et al, 2010). The clinical implication of this research is understanding functional deficits prior to cancer surgery, and predict the potential impact of reconstructive surgery.

It is also important to study and understand adaptations at the micro scale. In a series of collaborations with Dr. Sunita Ho and colleagues, we have shown how something as simple as

changing the hardness of the diet in rats can result in measurable changes in the mineralization values of bone proximal to teeth (Niver EL, et al. 2011).

In summary, the past three years has been the most productive research period of my career and much of this was possible because my Department Chair, Dr. George Taylor, worked with me to allow for more research time and focus.

Significant Publications

1. **Curtis DA**, Lind S, Boscardin CK, Dellinges M. Does student confidence on multiple-choice question assessments provide useful information? *Med Educ* 2013;47:578-584
Role on paper: PI for project, gathered data, primary author
Summary: We challenged the status quo for the use of multiple-choice questions during formative assessments. By measuring confidence we were able to identify the uninformed (incorrect and unsure) and the misinformed (incorrect but confident) students. This research paper and related research was well received, resulting in numerous invitations to speak at national and international meetings (London, UK, 2010; Alexandria, Egypt, 2012, invitation Brazil 2014), at other dental schools (UOP, 2012), and included collaboration with Kevin Eva, PhD, Editor of Medical Education on a podcast (<https://itunes.apple.com/gb/podcast/medical-education-podcasts/id590677918>).
2. **Curtis DA**, Lind SL, Dellinges M, Setia G, Finzen FC. Self-assessment of pre-clinical examinations by dental students. *J Dent Educ.* 2008;3,265-77
Role on paper: PI for project, gathered data and wrote most of manuscript
Summary: While I agree that self-efficacy is more important than global measures of self-assessment, I do think methodological issues have made interpreting the self-assessment literature difficult. This was the first paper to relate changes in self-assessment scores over time to changes in correctness over time. We found students who improved in self-assessment also improved in examination scores. In a related paper we showed females tend to benefit more from self-assessment than males. This manuscript was the basis for an invitation to organize and present the Presidential Symposium at the American Dental Education Association in 2010, and presentations at dental schools (Kentucky, 2010; UOP, 2012).
3. **Curtis DA**, Plesh O, Miller AJ, Curtis TA, Sharma A, Schweitzer R, Schour L, Singer M. A comparison of masticatory function in patients with or without reconstruction of the mandible. *Head & Neck* 1997;19: 287-296.
Role on paper: PI for funding, gathered data, and wrote manuscript
Summary: A multidisciplinary collaboration that included UCSF SM department chair (Singer) and president of the National Chapter of the American Cancer Society (Schweitzer) which provided a great learning opportunity for me. Our major findings showed that reconstructed patients had improved mastication as a result of a more stable occlusion and that bite force as an outcome measure was poorly predictive of patient reports of masticatory function. We showed measures of tongue function were more important than bite force in predicting masticatory function. Prior to this study, the primary outcome used to determine improvement was increased occlusal bite force, which we showed was much less relevant than measures of tongue function. This and

related research helped change the surgical practice of using the tongue to close surgical wounds because of the importance we demonstrated of tongue volume and mobility.

4. Hannam AG, Stavness K, Lloyd JE, Fels S, Miller AJ, **Curtis DA** Jaw Biomechanics after Segmental Mandibular Resection and Reconstruction J Prosthet Dent 2010;104:191-198
Role on paper: The paper reflects a 20-year exchange of ideas between Miller, Hannam, and Curtis which was necessary for the iterative process of developing parameters of model inputs and relating this to clinical significance.
 Summary: Scarring and fibrosis following head and neck surgery and radiation have a dramatic effect on mastication and QOL, but is poorly understood. This was the first model of mandibular movement to incorporate the impact of scarring and fibrosis. The major findings showed that dynamic modeling can be a useful way to study oral biomechanics, that mandibular opening and closing trajectories can be explained by a combination of muscle vectors and models of scarring nodes, and that scarring and soft tissue tension probably explains mandibular deviation and frontal plane rotation in hemimandibulectomy patients more than muscle imbalance.

5. Ho S, Kurylo MP, Grandfield K, Hurng J, Herber RP, Ryder MI, Altoe V, Aloni S, Feng J, Webb S, Marshall GW, **Curtis DA**, Piennatta P, Andrews Hayter J, The Plastic Nature of the Human Bone-Periodontal Ligament-Tooth Fibrous Joint. Bone 2013; 57:455-467
Role on paper: Worked with primary author for two years on concepts, relevance and clinical applications. Assisted with writing the manuscript.
 Summary: I am especially proud of my collaborations with Dr. Ho showing how and where micro- adaptations to occlusal forces occur. In clinical dentistry we tend to study what we can see and what is measurable. There is very little discussion of biologic adaptations, especially of tissues difficult to measure such as the PDL, cementum, and bone. The work I have done with Dr. Ho the past three years was to investigate the numerous, recently measurable adaptations within the PDL, bone and cementum from occlusal loading forces and how these adaptations have relevance to explaining outcomes basic to the success or failure of our restorations and procedures. The editor liked our article so much he featured it on the cover of the journal.

RESEARCH AWARDS - CURRENT

1. P0500850	PI		
International Team for Implantology Foundation, Switzerland. Awarded but not funded due to disagreement between UCSF and ITI on IP		09/01/2014	09/01/2016
Critical Thinking and Confidence among Students of Implant Dentistry		\$ 62,613 direct/yr 1	\$ 123,913 total

RESEARCH AWARDS - PAST

1.	PI		
	Joint Commission on National Dental Examinations. IDEA grant. Applied and was not funded. No applications were funded.	2012	2014
	Identifying Misconceptions in Biomedical Education		\$ 60,000 total
2.	PI		
	Greater New York Academy of Prosthodontics	2009	2009
	Failure of Acrylic Resin around Dental Implants	\$ 2,000 direct/yr 1	
3.	PI		
	Parnassus Club Funding	2006	2006
	Fixed Prosthodontic Objective Structured Clinical Examination (OSCE)	\$ 4,000 direct/yr 1	\$ 4,000 total
4.	PI		
	Instructional Grant Award, Academic Senate		2002
5.	PI		
	Dentco Research and Development Corporation	1998	1998
	Use of instrumentation to remove fixed bridges		\$ 500 total
6.	PI		
	American College of Prosthodontist/Proctor and Gamble Research Grant	1997	1997
	Role of Implant Loading in the Success of Complete Dentures		\$ 5,000 total
7.	PI		
	Corporate funding from Ivoclar International	1996	1996
	Bond Strength of acrylic resin teeth to high impact resins		\$ 600 total

8.	#2KT0023	PI		
	Tobacco-Related Disease Research Program	1991	92	
	Stabilizing the Occlusion in the Dentate Hemimandibulectomy Patient		\$ 106,008 total	
9.		PI		
	Dental School Research Committee, Multi-user equipment proposal		1991	
	Recording and analyzing mandibular movement		\$ 7,500 total	
10.		PI		
	Education and Research Foundation of Prosthodontics		1990	
	Stabilizing the Occlusion in the Dentate Hemimandibulectomy Patient		\$ 2,500 total	
11.		PI		
	New York Academy of Prosthodontics. First place in the Granger-Pruden National Prosthodontic Research Competition	1990	1990	
	Adaptability within the adult primate craniofacial complex to asymmetrical lateral forces		\$ 2,500 total	
12.		PI		
	Pew Career Development Grant	1989	1990	
	Computer Modeling of Mandibular Movements in Oral Cancer Patients		\$ 22,000 total	
13.		PI		
	Committee on Research, Academic Senate	1988	1988	
	Reproducibility of Mechanical Equivalents to Mandibular Movement		\$ 7,631 total	

14. R01 DE022032-01	Consultant- no salary PI Sunita Ho		
1. Consultant- No salary (PI: Sunita Ho)			
Load-mediated adaptation of the bone-PDL-tooth complex in vertebrates.			
15.	Consultant- no salary		
NSERC Strategic Proposal Canadian Research Council	2007	2010	
Biomedical simulation model of the oral and pharyngeal regions	\$ 606,700 direct/yr 1	\$ 1997 total	
16. K16 DE00386	No salary Co-investigator		
The dentist-scientist training program at UCSF	1997	2001	
PI: GW Marshall		\$ 1,688,791 total	
17. R03 DR089871990-92	Co-investigator PI: S Kapila		
National Institute of Dental Research	1990	92	
Effect of mandibular position on craniomandibular growth	\$ 21,000 direct/yr 1	\$ 21,000 total	
18.	PI: Art Miller Co-investigator		
Research Committee, School of Dentistry	1989	1990	
Multi-user proposal: Establishment of an integrated neuromuscular laboratory		\$ 13,300 total	
19.	Co-investigator PI: Octavia Plesh		
Research Committee, School of Dentistry	1989	1990	
Axiograph instrumentation to study mandibular movement		\$ 12,900 total	
20. PI: S Kapila			
	1989	1990	
Effect of altered occlusal position on craniomandibular growth		\$ 7,700 total	

21. P.I. S Kapila	Co-investigator		
Committee on Research, Academic Senate		1989	1990
Effect of mandibular position on craniomandibular growth		\$ 7,547	
		direct/yr 1	

22.	Co-investigator PI: L Lum		
Corporate funding from Calcitec Inc.		1988	1990
Bone-implant interface of load-carrying hydroxylapatite and uncoated titanium implants		\$ 22,000	
		direct/yr 1	

PEER REVIEWED PUBLICATIONS

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8. Curtis DA, Curtis TA, Holmes JB. Use of a paralleling post for cast orientation when fabricating removable partial denture abutment crowns. J Prosthet Dent 1988, 59, 117-118.
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10. Davis DR, Curtis DA, White JM. Microwave irradiation of contaminated dental casts. Quintessence Int 1989, 20, 24-26. Also: Quintessencia 1990, 1, 23-26; Quintessence of Dental Technology 1990, 15, 91-94.

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12. Curtis DA. A comparison of protrusive interocclusal records to pantographic tracings. *J Prosthet Dent* 1989, 62, 154-156.
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5. **Curtis, DA,** Ho SP, Sharma AB. Posterior occlusal function associated with dental implants. In Hall's Critical Decision in Periodontology & Dental Implantology. Harpenau L, Kao R, Lundergan W, and Sanz M. 2013
6. **Curtis DA,** Sharma AB, Plesh O. In Hall's Critical Decision in Periodontology & Dental Implantology. Implant Design for Partially Edentulous Patients. Harpenau L, Kao R, Lundergan W, and Sanz M. 2013
7. **Curtis DA,** Setia G, Setia A. In Hall's Critical Decision in Periodontology & Dental Implantology. Implant Design for Edentulous Patients. Harpenau L, Kao R, Lundergan W, and Sanz M. 2013
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9. Kao R, **Curtis DA.** In Hall's Critical Decision in Periodontology & Dental Implantology. Extraneous Factors: Restorative Considerations. Harpenau L, Kao R, Lundergan W, and Sanz M. 2013
10. The American College of Prosthodontists asked Dr. Johnathan Wiens to write a textbook for dental students that would become the standard for what dental students should know about dental occlusion. Because of the dynamic modeling of mandibular movement I have completed and the different animal models I have used to show adaptations to occlusal forces, Dr. Wiens asked me to write two of the chapters. The chapters are on treatment planning and on advanced topics. Dr. Sunita Ho from PRDS has also been asked to participate. The chapters will be completed by February, 2014 and the book is scheduled for publication April, 2014.
11. **Podcasts**
12. **Curtis DA,** Chander J, Interview with Jayshree Chander, MD, MPH on "Your Mouth Matters" where we discuss oral health and quality of life measures. 2012 At: <http://www.neijingnow.org/2012/09/episodes/your-mouth-matters/>

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2. **Curtis DA**, Plesh O, Miller A. Stabilizing the occlusion in the dentate hemimandibulectomy patient. Annual report of abstracts to the State of California legislature. 1994, 110.
3. **Curtis DA**. The impact of airport noise on children and the elderly. "Alameda Times", 11/19/96.
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5. **Curtis DA**. President's Message. The Bulletin. Berkeley Dental Society Newsletter, 1999, vol 13.
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7. Gansky SA, **Curtis DA**: A heterogeneous variance model with interactions for prosthodontics failure load. American Statistical Association 1999 Proceedings of the Section on Statistical Education, the Section on Teaching Statistics in Health Sciences and the Section on Statistical Consulting, 134-139.
8. **Curtis DA**, et al. American Board of Prosthodontics. Brochure outlining, "What is a Prosthodontist" that is used to inform the public. 2011
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13. **Curtis DA**. Managing Dental Erosion. Smile Digest, 2014 UCSF OMFS Newsletter
14. **Curtis DA**. I was asked to write a position paper for the American College of Prosthodontists on the merits of fluoridation. 2014

CONFERENCE ABSTRACTS

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2. **Curtis DA**. A comparison of protrusive interocclusal records to pantographic tracings. J Dent Res 1988, 67, 1932. (presenter)

3. **Curtis DA**, Miller AJ, Nielsen I, Kapila S. Lateral shifts of the occlusion of the Macaca Mulatta monkey. J Dent Res 1989, 94, 1866. (presenter)
4. **Curtis DA**, Eggleston T, Watanabe L, Marshall SJ. Visible-light cured resin as a relining material. J Dent Res 1989, 70, 1263.
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6. **Curtis DA**, Hannam A, Curtis T, Miller AJ. Occlusal instability in the hemimandibulectomy patient. J Dent Res 1990, 69, 135. (presenter)
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51. Wu H, **Curtis DA**. The auricular prosthesis for an elderly patient with Treacher Collins syndrome. American College of Prosthodontics 2013
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OTHER CREATIVE ACTIVITIES

1. 2000 Syllabus for junior dental students on relevant implant literature and nomenclature. 2012 Interview with Jayshree Chander, MD, MPH on "Your Mouth Matters" where we discuss oral health and quality of life measures. At: <http://www.neijingnow.org/2012/09/episodes/your-mouth-matters/>
2. In 2003 I received funding and developed an OSCE on fixed prosthodontics/>