



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

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
Outcomes - 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
Outcome: 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	Chair, Clinic and Research Day Oversight Committee, UIC, College of Dentistry <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.
1997-9	Member, Accreditation Steering Committee, UIC, College of Dentistry
1997-9	Chair, Clinical Sciences Educational Programs Accreditation Committee, UIC, College of Dentistry
2000-04	Prosthodontic Accreditation Review Committee, Commission on Dental Accreditation, American Dental Association
2004-07	Chair, Accreditation Steering Committee, UIC, College of Dentistry. Oversight of the COD 2006 Accreditation process and preparation including the 9 COD Accreditation Committees. <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. 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.
2007-	Oral Sciences Graduate Committee and Graduate Education Committee (GDE), UIC, College of Dentistry
2008-12	Predoctoral Review Committee, Commission on Dental Accreditation, American Dental Association. 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).

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.

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| 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- 2001-2	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. <u>Outcome</u> - 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) <u>Outcome</u> 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	Predocctoral 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- Student and Faculty Mentoring – 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

- 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.
- 1994-04 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
- 1995-2000 Clinical Competency Examiner, Predoctoral Students, UIC
1997 Developer of the first competency document and Competencies for the College of Dentistry, UIC
- 2000-Present 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
- 2002-Present Implant and Innovations Center (IIC)
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).

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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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.
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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.