

RESEARCH

DNA sequencing

cells

nanoscience

patient care

UCLA service

School of Dentistry



UCLA School of Dentistry
2013-2014 Annual Report

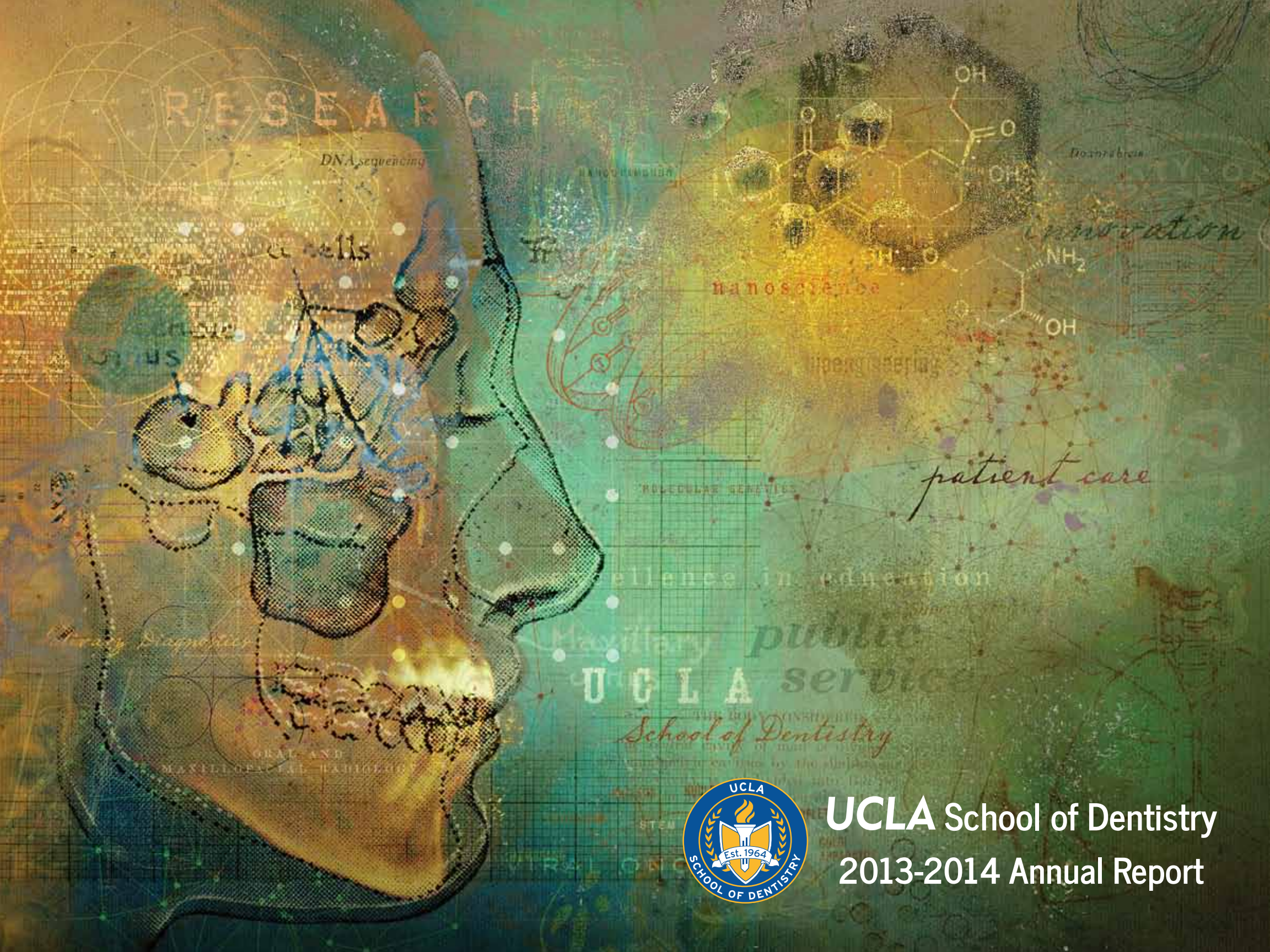


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Dean's MESSAGE



Fifty years ago, in 1964, the UCLA School of Dentistry opened its doors to the first DDS class, marking the beginning of our legacy of excellence. I am astounded by the progress we have made over the decades, and I am confident that we have accomplished the vision that the University of California had when they set out to build a world-class dental school on the UCLA campus.

During the 2014-2015 fiscal year, a series of events and symposiums will be held to commemorate our 50th Anniversary. A celebratory gala will take place in May of 2015 that will bring together up to 500 academic and community leaders, faculty, alumni, and students in Los Angeles. I hope that everyone will join us in the year-long festivities to observe this significant milestone.

Falling at the same time as the dental school's 50th Anniversary milestone is the launch of The Centennial Campaign for UCLA. The 5-year campaign kicked-off in May 2014 and will continue through UCLA's 100th anniversary in 2019. The passing of 100 years marks a historic moment here on campus and we invite the entire community to celebrate with us as we look to the future of UCLA and the UCLA School of Dentistry.

Following our curricular reform process in recent years, the School of Dentistry was tasked with restructuring our academic divisions and sections. A specially appointed committee was charged with reviewing and recommending a new structure. After numerous discussions and evaluations, the committee endorsed potential changes, which would be effective at the start of the 2014-2015 fiscal year. Based on the committees' recommendation, the creation of two new divisions was announced, the Division of Constitutive and Regenerative Sciences, encompassing the Sections of Endodontics, Periodontics, and Restorative Dentistry, and the Division of Growth and Development, encompassing the Sections of Orthodontics and Pediatric Dentistry. Additionally, fixed prosthodontics curriculum was moved from the Section of Restorative Dentistry to the Division of Advanced Prosthodontics to better align similar disciplines. These changes are reflected in the faculty recognition section in the back of this report.

We have continued to improve in all areas while also fulfilling our mission of improving the oral and systemic health of the people of California, the nation, and the world through education, research, patient care, and public service. I am pleased to highlight our achievements briefly below and in-depth throughout this report.

Training future leaders in the dental community. At the 47th Commencement Ceremony that was held on June 1st, we conferred 106 DDS and 19 oral biology MS and PhD degrees, and awarded 51 advanced training certificates. This commencement was especially significant. One of our very own alumni was honored with the UCLA Medal – the university's highest honor. Dr. Gary Parker, UCLA DDS '77, was presented with the medal by UCLA Chancellor Gene Block. A full article can be found on page 56 about Dr. Parker and the UCLA Medal. Dr. Parker is just one alumnus who has made an impact on the dental field and beyond. Many leaders in dental research, advocacy, and academia are graduates of the School of Dentistry. There is no question that our alumni will continue to be recognized as the pioneers, the innovators, and the trailblazers in the oral healthcare community.

Administrative TEAM

No-Hee Park, DMD, PhD

Dean & Distinguished Professor

Carol Bibb, PhD, DDS '78

Associate Dean, Student Affairs

Paulo Camargo, DDS, MS '91, MBA '07, FACD

Associate Dean, Clinical Dental Sciences

Neal Garrett, MA, PhD

Associate Dean, Education & Faculty Development

Edmond Hewlett, DDS '80

Associate Dean, Outreach & Diversity

Ronald Mito, DDS '76, FDS, RCSEd

Associate Dean, Academic Programs & Personnel

Cun-Yu Wang, DDS, PhD

Associate Dean, Graduate Studies

David Wong, DMD, DMSc

Associate Dean, Research

Tara Aghaloo, DDS, MD '98, PhD '07

Assistant Dean, Clinical Research

Out of a pool of nearly 1,800 applications, we welcomed 88 new pre-doctoral students to the dental school last September. The students, who make up the Class of 2017, come from some of the top colleges and universities in the country. We look forward to witnessing the many successes that will surely come from this bright and talented group of future leaders in the dental community.

Groundbreaking research to improve human health. Our research endeavors continue to break school records. In the 2013-2014 fiscal year, a staggering \$26.28 million was received in research funding, eclipsing past fiscal years. Additionally, \$19 million in new research funding was awarded. Many of our research faculty appeared in top research journals, including Dr. Dean Ho's work on the therapeutic benefits of nanodiamonds in *Science Translational Medicine*, and Dr. Cun-Yu Wang's work on head and neck cancers in *Science Signaling*. Dr. Wang was also elected to the Chinese Academy of Engineering – one of the most prestigious and exclusive engineering and medical academies in Asia.

One of the awards of particular significance was a nearly \$4 million research grant that Dr. David Wong received from the National Institutes of Health - Common Fund to study biological markers in saliva to attempt to develop a tool for detecting stomach cancer. Additional funding from NIH's National Institute of Dental and Craniofacial Research hit a three-year high at \$7.5 million, supporting research that focused on the causes of osteonecrosis of the jaw, oral cancer, and other oral-related diseases. A full report on the School's research projects can be found on page 15.

Commitment to quality patient care. Providing quality, affordable dental care to the local and regional community is a core value of the School of Dentistry. This passion was reflected in the completion of the Section of Orthodontics' Clinic Innovation Unit. The project introduced advanced technology to this specialty clinic, improving the quality of life of adults and children who have complex craniofacial deformities. Plans to renovate several other specialized clinics are underway, furthering our commitment to providing the best possible care to individuals with complicated cases.

In addition to infrastructure improvements, the number of patient visits provided to our patient population hit approximately 140,000. The School of Dentistry also received a 2-year contract from the Los Angeles County Department of Public Health for \$2.36 million, whose funding will provide dental care for more than 1,000 people who are HIV+/AIDS each year. A full report on our patient care initiatives can be found on page 29.

Serving the community by providing free dental care. In another push to improve the oral and systemic health of the community, the School of Dentistry partnered with Wilshire Bank at the start of the fiscal year. The bank pledged \$100,000 over a 5-year period to the dental school to provide free oral health screenings and dental care to the community. In addition to this partnership, the dental school maintained a busy schedule participating in 47 health fairs across the southern California region. The number of people who received free dental care jumped approximately 30 percent compared to the last fiscal year.

We also continued to make headway in our commitment to training opportunities for underrepresented communities in the Science, Technology, Engineering, and Mathematics (STEM) fields. One such example is our Pre-college Science Education program, which has been in existence for seven years. Year after year, the program has proven to be successful. Nearly 70 students have entered the program and almost every one has gone on to attend a top university. Today, the program is supported through special funding from UCLA Chancellor Gene Block and the Office of the Dean. Another pipeline program that has had long running success is our Post-Baccalaureate program. In its tenth year of existence, the program assisted another two disadvantaged students successfully gain acceptance to dental school.

Lastly, and most importantly, I would like to commend our faculty and staff, bright and talented pre-doctoral students, residents and trainees, and supportive and loyal alumni and friends, on the achievements and accolades received in the 2013-2014 fiscal year. Were it not for the hard work, dedication, and talent of this community, the School of Dentistry would not have had such a successful year.

I welcome you to learn more about the UCLA School of Dentistry in the pages of this report. To read more about what makes this dental school one of the best in the world, please also visit our newly, redesigned website at www.dentistry.ucla.edu.

Best regards,



No-Hee Park, DMD, PhD
Dean & Distinguished Professor

Andrew Alexan
Assistant Dean, Finance & Chief Financial Officer

Todd Schoenbaum, DDS '05, FACD
Director, Continuing Dental Education

Jane Fransella, MBA
Executive Assistant to the Dean

Vina Chin, JD
Assistant Dean, Administration & External Relations

Brianna Aldrich, MA
Communications & Media Officer

Mallory Gompert
Director of Development

Erin Hakim
Postgraduate Program Coordinator & International Advisor

Celebrating Fifty Years of Excellence 1964-2014



1960s

1960

Dr. Reidar Sognaes Appointed First Dean

1964

UCLA School of Dentistry Established

1968

First DDS Graduation

Early 1970s

Apollonians Established - Fundraising Group for the School

Improvement of Student Diversity

1970s



1980s

1983

Pediatric Dentistry Clinic Opens in Downtown Los Angeles

1989

Wilson-Jennings-Bloomfield UCLA Venice Dental Center Opens

▼ New Weintraub Center lab pictured in the 2000s.



Photo: stenorS|Architects

1994

Northridge Earthquake - Seismic Renovations Begin

1997-2000

All Clinics Remodeled

1997-1998

Dr. No-Hee Park Appointed Dean

Late 1990s

Tarrson Family Endowed Chair in Periodontics

1990s



▲ General clinic before the remodel and clinics after the remodel with all new operatories.

2000s

Early 2000s

Clinic Moves to Electronic Patient Records
BISCO Dental Teaching Lab Established

2002

Weintraub Center for Reconstructive Biotechnology

2003

Jack A. Weichman Chair in Endodontics

2004

Dr. Thomas R. Bales Endowed Chair in Orthodontics

2006

Nobel Biocare Endowed Chair in Surgical Implant Dentistry

2008

Felix and Mildred Yip Endowed Professorship in Dentistry
Dr. No-Hee Park Endowed Chair in Dentistry

2009

Thomas K. Barber Endowed Term Chair in Pediatric Dentistry

2012

Bob and Marion Wilson Endowed Chair

2013

Center for Oral/Head & Neck Oncology Research Established (Above)

Dr. Gary Park, UCLA DDS Class of 1977, Awarded the UCLA Medal

2014

Top, right photo, from left to right: UCLA Chancellor Gene Block, Dean No-Hee Park, Dr. Gary Parker, and Mr. Anthony Pritzker before the 47th commencement ceremony.



An **EDUCATION** OF EXCEPTIONAL VALUE

Thank you for the opportunity to share this annual update from the Office of Student Affairs. In addition to information on our educational programs, the entering Class of 2017, and the future plans of the graduating Class of 2014, we have featured three heartwarming stories of how individual students have been inspired to take community service to new levels of innovation and outreach. You will be amazed at the professionalism, collegiality, and creativity of our students working together as members of the award winning UCLA chapter of the American Student Dental Association (ASDA).

The pre-doctoral DDS program continues its longstanding record of attracting a highly qualified and talented student body. The 88 students in the incoming Class of 2017 were selected from a pool of nearly 1,800 applicants on the basis of their impressive academic credentials, promise of professional service and leadership, and

diverse backgrounds. The diversity will be further enhanced when 20 foreign-trained dentists enter the Professional Program for International Dentists (PPID) and join the third year class.

The future plans of the Class of 2014 indicate that of the 106 graduates, 75 will continue their training in a variety of postgraduate programs spread across the country, and 31 will join the ranks of general dentists in private practice. Our educational programs are clearly preparing our graduates to meet the needs of the dental profession for both general dentists and the full spectrum of specialists.

Although the UCLA School of Dentistry is the least expensive dental school in California, dental education is costly, and we are very grateful for the scholarships, fellowships, and grants that help to reduce student indebtedness. I would like to acknowledge the generosity of the individuals and organizations that fund student

Class of 2017: AT A GLANCE

38 Females	Bachelor's: 84 Master's: 4	Dental Admission Test:
50 Males	Overall GPA: 3.66 Science GPA: 3.60	22 Average Score Perceptual Ability Total Science

scholarships, enabling us to recognize achievement in diverse areas including academic excellence, leadership, community service, and research.

The accomplishments of the recipients of the DDS, MS, and PhD degrees, and residency certificates were celebrated at the annual commencement ceremony held on June 1st in Royce Hall. This was a particularly memorable occasion because Dr. Gary Parker, Class of 1977 alumnus and 2014 recipient of the UCLA Medal, gave the commencement address in which he encouraged the degree recipients to lead lives of service. His inspiring message clearly resonated with the graduates, as exemplified by the students highlighted in this report.

I hope that you have enjoyed this update on our educational programs, and that you will enjoy the introduction, on the next four pages, of some of the bright and talented students who will shape the future of the dental profession. Empowering our students to be partners in their educational and professional development has enabled us to meet our objective of offering an education of exceptional value. There is no question that future leaders in patient care, dental education, research, community service, and legislative advocacy will be alumni of the UCLA School of Dentistry.

Carol Bibb, PhD, DDS '78

Associate Dean, Student Affairs



Above: Class of 2014 graduates at the Commencement Ceremony at Royce Hall. The ceremony was the 47th in the dental school's history and marked the School of Dentistry's 50th anniversary milestone.

Opposite page: Pre-doctoral students pose with Dean No-Hee Park, 3rd from the right, with Drs. Ronald Mito and Susan Fredericks, center, after receiving scholarship certificates at the annual Scholarship Ceremony.

“Dr. Gary Parker’s commencement speech was a well-timed call to action for my class of new dentists. It reminded us why we chose this profession in the first place – to help people in a very direct way.”

Jeff Diamond, President, Class of 2014

Class of 2014 GRADUATES

Khushbu Aggarwal • ❖
 Holly Katherine Aguigam
 Christine Jae Eun Ahn
 Andrey Antonenko • ❖
 Reemon Y. Ashoty
 Christina Jieun Baek
 Cigdem Bal Er
 Ryan Terence Brennan • ❖
 Yesenia Camacaro
 David J. Chang
 Misoo Cho
 Ryann Michelle Christensen ❖
 Michael L. Chung • ❖
 Hayley Alysse Cox ❖
 Arianna Damian
 Natalie T. Dang • ❖
 Jennifer Dean
 Naman Janak Desai
 Jeffrey Arthur Diamond ❖
 Marie Beverly Inton Dizon-Leung
 Sepideh Dolatyar
 Frank Duong
 Joshua Ely
 Camron Fakhar
 Golnaz Ghanooni
 Manbir Singh Gill
 Lindsay Lee Graves

Christian Jack Hagge
 Hassan Michael Haidar
 Aashna Handa
 Farah Yousuf Haroon
 Dan Herrera
 Scott Ryan Hiramoto
 Thanh Hoang
 Lydia Hou
 Jacob Brimhall Hyer
 Allison Kate Inouye * ❖
 Dmitriy Vladimirovich Ivanov
 Jane Jian Jia
 Wonil 'Eddie' Jung
 Isabelle Jamil Kaldawi
 Oliver Fonacier Kamari-Bidkorpeh
 Claudine Lisa Kashiwabara
 Derek Yoshi Kawano
 Jared Scott Kenney
 Shaghayegh Khodadadzadeh
 Bryan M. Kim
 Christine Jihae Kim
 Lauri Jiah Kim
 Elizabeth Koo
 Sarah Elaine Koyama
 Vickie Lai
 Angela W. Lam
 Kent Lau

Matthew Charles LeCheminant ♦ ❖
 Daniel K. Lee
 Kevin Seokjong Lee
 Rachel Suhhee Lee
 WooRam Alex Lee
 Andrew James Leland
 Ho-Yin Leung
 Brandi Ellyn Lewis
 Catharin Maney
 Kapil Mangla
 Andrei Viktorovich Marechek
 Salina Massei
 Lane Bothwell Medina
 Denisse Monroy
 Lourdes Moreno
 Rod Najibi
 Barrett Kyle Nordstrom ❖
 Noha Nour •
 Daniel Oh
 Michael Kenji Okumoto
 Michael Robert Pace
 Jessica Yoon Kyung Pack
 Alisha Marie Paletsas
 Laura Kate Pashkowsky ❖
 Jay Frederick Knudsen Ponto
 Kathryn Ann Preston • ❖
 Pardis Rajabi

Mark Robert Rowan
 Shadi Safai
 Youn Sagong
 Anna Lee Scharfen
 Navjot Sekhon
 Kevin Bradley Seto
 Kruti Shah
 Saru Sharma
 Alexander Y. Shau
 Payam Sionat
 Anne Celeste Skaron
 Mahesh Solanki
 Francisco Edgardo Suarez
 Elysia Marie Elizabeth Sybert
 Nidhi Taneja
 Kim Thuc Trinh
 Seyed Aliakbar "Ali" Vahdati
 Sakib Vahora
 Diane Elizabeth Vasquez
 Diana P. Vu
 Jonathan Weng
 Tatiana Witte
 Jihee Jessica Woo
 Justin Wu
 Sandra Yen • ❖

Future PLANS

Key

• Cum Laude * Magna Cum Laude ♦ Summa Cum Laude ❖ Graduated with Special Honors

106
Graduates

75
Continuing Education

31
Private Practice

27 General Practice/Adv.
Edu. in Gen. Dentistry

9 Pediatric Dentistry

3 Dental Anesthesiology

14 Oral & Maxillofacial
Surgery

4 Endodontics

1 Orofacial Pain &
Dysfunction

12 Orthodontics

4 Periodontics

1 Oral & Maxillofacial
Surgery Internship

Scholarships, Fellowships & Grants to *DDS Students*

Aid from University Sources

Dean's Scholarship			\$2,056,027
UC Student Aid Health Science Grant			\$118,951
UC Regent's Scholarship			\$58,500

Dental School Scholarship Awards

Drs. Miki and David Lee Endowed Scholarship	\$50,000	Dr. Yoshio Yamaguchi Endowed Scholarship	\$6,000
Apollonian Society Scholarship	\$24,000	Dr. Donell C. Fisher Memorial Scholarship	\$5,000
Board of Counselors Endowed Scholarship	\$15,000	Kathy and Randy Wall Endowed Scholarship	\$4,000
Dental Foundation of California Endowed Scholarship	\$10,000	Wyatt Rory Hume Endowed Scholarship	\$4,000
Webb Family Endowed Scholarship	\$10,000	Dr. Riley K. Hayashi Memorial Scholarship for Orthodontics	\$2,500
Yip Family Endowed Scholarship	\$7,000	Mason C. & May Oong Endowed Scholarship	\$2,500
Dr. Howard Y. Chen Endowed Scholarship	\$6,000	Mary Hooley Endowed Scholarship	\$2,000
School of Dentistry Student Scholarship & Fellowship Fund	\$6,000	Dr. Sherwin Rosen Endowed Scholarship	\$1,500
Shirley and Ralph Shapiro Endowed Scholarship	\$6,000	Chris and Naomi Bement Endowed Scholarship	\$1,000
Quon Family Endowed Scholarship	\$6,000	Steven S. Koh Endowed Scholarship	\$1,000
Subtotal (Aid from University Sources & Dental School)			\$2,402,978

Aid from Outside Sources

US Veteran Benefits; Post 9/11 GI Bill & Cal Vet Benefits	\$165,231	UCLA Affiliates Scholarship	\$5,000
National Health Service Corps	\$126,151	Auxiliary Community Hospital of the Monterey Peninsula	\$3,000
US Army Scholarship	\$118,214	Johnson & Johnson Scholarship for Academic Excellence and Community Service	\$3,000
US Navy Scholarship	\$87,437	ADA Foundation Dr. Robert B. Dewhirst Scholarship	\$2,500
Delta Dental Hispanic Initiative	\$40,000	CDA Foundation Latinos for Dental Careers Scholarship	\$2,000
Western Interstate Commission for Higher Education	\$23,900	Governor's Scholarship Program	\$1,337
Dental Foundation of California Scholarshi	\$9,375	Hispanic Dental Association Foundation	\$1,000
Tylenol Future Care Scholarship	\$5,000	The Foundation of the Pierre Fauchard Academy	\$1,000
Subtotal (Aid from Outside Sources)			\$594,145

Total Aid from All University and Outside Sources **\$2,997,123**

INNOVATION & LEADERSHIP in Research & Community Service

ASDA Grows to New LEVELS



The 2013-2014 academic year was a landmark year for UCLA's American Student Dental Association (ASDA) chapter. Areas that the group wanted to expand and further develop included, advocating for students' rights, participation in organized dentistry, leadership development, educational opportunities, communications and media, and student collaboration. Their efforts paid off. Last February in Anaheim, California, the chapter ended up winning multiple awards at the 2014 ASDA Annual Session.

Awards included: Best Newsletter, Best Website in Competition, Outstanding Pre-Dental Involvement, 2nd Place in Pre-Dental Recruitment, Excellence in Social Media, District 11 Delegate of the Year, and several other awards.

National Recognition

Additionally, Kris Mendoza '15 (pictured at right), was elected the 2014-2015 National ASDA President. One of his biggest goals during his year-long term is to advocate for the elimination of a live-patient clinical licensure exam. He feels there are many negative ethical implications with the current clinical licensure process; and through his efforts, he hopes to protect patients and the profession. Additionally, he and ASDA are working with the American Dental Association to search for innovative solutions to address the increasing burden of student debt on dental school graduates.



The chapter's achievements and accolades were a true representation of the hard work of the entire student body and guidance of faculty mentors. Congratulations to the entire chapter on such a successful year. The dedication displayed by its members has made the UCLA chapter one of the strongest in the country.

Dean's Leadership INSTITUTE

The Dean's Leadership Institute (DLI), offered during the winter and spring quarters of the academic school year, provides approximately 12 pre-doctoral students who are in their third or fourth year of dental school the opportunity to develop their professional leadership skills. The program has been going on for 10 years and the individuals chosen exhibit talent and drive. The participants in the 2013-2014 Institute were no exception to the typical UCLA dental student who is bright, eager, and has a passion for dentistry.

The Institute was created as a way to foster and grow leadership qualities exhibited by our DDS classes and it serves as a valuable professional development opportunity. Over the course of 12 weeks, the students are exposed to a number of influential, dynamic leaders, who discuss topics such as improving patient satisfaction, strategic planning, entrepreneurship, professional ethics, and wealth management. The Institute is led by Dean No-Hee Park and Associate Dean Ronald Mito, and the sessions are meant to prepare the future dentists to be leaders in the profession, whether in private practice, organized dentistry, academic dentistry, dental science, or the entrepreneurial realm.

The following students are being recognized for their participation in the 2014 DLI and we wish them well as they complete their training at the School of Dentistry. Pictured below, back row from left to right, David Lindsey, Kris Mendoza, Sepidah Dolatyar, Armand Keuroghlian, Nidhi Taneja, Susan Bae, Mark Ortega, and Alex McMahon. Front row from left to right: Gizelle Para, Brittany Ko, Dr. Ron Mito, Dean No-Hee Park, Amy Tam, and Jennifer Sun.



Representing UCLA for Student RESEARCH

This year's representative at the 2013 American Dental Association (ADA)/DENTSPLY Student Clinician Research Program was John Nguyen, Class of 2015. The Student Clinician Research Program began during the centennial session of the ADA in New York City in 1959, as a joint venture between DENTSPLY and the American Dental Association. The program brings together more than 5,000 students from around the world to present their research in the clinical, basic science, or public health research categories.

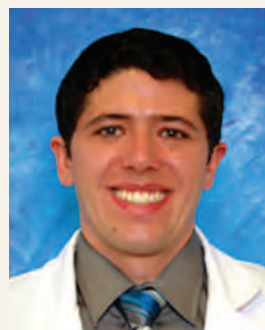
John's research project was titled: "Customized Biomimetic Chitosan-Based Implants for Bone Regeneration", and he was under the mentorship of Dr. Min Lee. He joined Dr. Lee's lab in 2012 as a student researcher where he is researching the ability of apatite coated chitosan to serve as a protein delivery system and osteoconductive scaffold to promote bone regeneration. John is also a member of the Oral and Maxillofacial Surgery (OMS) Track group and plans to pursue an OMS residency program.

Making an Impact on the COMMUNITY



After receiving his BA and MS degrees in Chemistry, Brian Lehigh worked for a large pharmaceutical company testing drugs to ensure they met FDA regulations. With a desire to make a more direct impact on the greater public, he started to explore other options. After spending a summer volunteering at the Veterans Affairs Dental Clinic in West Los Angeles, Brian began to think of ways he could make a difference in the community.

In 2012, Brian became part of the DDS Class of 2016, and in the spring of 2014, he was honored with the Charles E. Young Humanitarian Award for his work with homeless and impoverished military veterans. With his innovative and creative nature, he spearheaded a program that offers veterans instruction on proper oral hygiene, information on low-cost dental clinics, and free dental hygiene supplies. He also partnered with a transitional housing and substance abuse program called New Directions for Veterans and developed a series of oral health lectures to be given by UCLA dental students to the at-risk veterans in the program. He even recruited other dental students to volunteer their time serving the unmet dental health needs of veterans, and made it possible for them to receive credits towards graduation for volunteering their time.



Ryan Brennan, Class of 2014, made giving back to the community one of his highest priorities while in dental school. Through two important community partnerships and hours of planning, he was able to organize 14 clinic sessions where over 140 UCLA dental students volunteered their services. During the 2013-2014 academic year, 520 dental procedures were provided to more than 200 patients in need.

Ryan's efforts did not go unrecognized; he was awarded the Health Sciences Volunteer of the Year by Meet Each Need with Dignity (MEND) dental clinic – one of the sites that benefitted from his efforts. He came in contact with MEND when he was named an Albert Schweitzer Fellow for Life and the clinic was

his community site.

The other organization that Ryan was instrumental in connecting with UCLA School of Dentistry was Homeless Not Toothless (HNT), a not-for-profit organization that provides free dental care to the homeless and underserved. Additionally, Ryan also received the Bud Tarrson Dental School Student Community Leadership Award and the Rishwain Award from the UCLA Luskin Center for Civil Society. Due to the many hours of planning and promoting, both MEND and HNT will now continue as part of the UCLA American Student Dental Association Community Service Committee. Both sites are now permanent options where dental students can provide care to patients in need.



Nidhi Taneja is on the fast track to becoming a pediatric dentist. After completing her Bachelor of Dental Surgery degree in her native country, India, she was accepted in to UCLA School of Dentistry's Professional Program for International Dentists in 2012 and earned a DDS degree with the Class of 2014. What Nidhi accomplished in just two short years is astounding. Aside from keeping up with the requirements of a full-time dental student, she immersed herself in all of the service and community outreach activities she could fit into her busy schedule.

One of the most significant projects that Nidhi worked on was improving the oral health of mothers, infants, and children through screenings and educational courses and materials. She was able to do this impactful work after being named an Albert Schweitzer Fellow for Life, and choosing the Venice Family Clinic as her community site. In addition, Nidhi was also named a Paul Ambrose Scholar in 2013, a program that prepares clinical health professionals to address population health challenges at the national and community level.

Postgraduate Training *CERTIFICATES*

Advanced Education in General

Dentistry-Venice

Sara Hashmi Deen
Truong Quang Dong
Rana Rushdi Kaleel
Marisa Grace Origel
Steven Kenneth Wong
Wendy Wong

Advanced Education in General

Dentistry-Westwood

Andrew Duc Dinh
Elmer Enerio Hilo, II
Erica Tammy Kim
David Ken Miyasaki
Christopher James Young
Rui Yu

Advanced Prosthodontics

Darin Dichter
Andrea Lynn Hall
Parisa Shahi

Dental Anesthesiology

Janice Jai-Ying Huang
Ryan Winn Judd

Endodontics

Alan T. Commet
Brent Allen Medema
Wenfei Wang

General Practice Residency

Kate Suzanne Goldberg
Alexander Hyunjoo Lee
Melissa Blair Ota
Nayrika Salamati
Chris Sung
Jared Michael Weiss

Maxillofacial Prosthetics

Kirstin Ty McCarville
Jeffrey Michael Rodney
Tanya Somohano

Oral & Maxillofacial Radiology

Mohammed Abbas Husain
Susan M. White

Oral & Maxillofacial Surgery

Michael James Bundy
Raquel Milagros Ulma

Orofacial Pain & Dysfunction

Cynthia Phong Diep
Tahani Mohammed Garguri

Orthodontics

Elise Boersma
Chuck Carlson
Nicole Cheng
Tracy Li Cheung
Gowhar Iravani
Thais Macedo Soares
Mohamed Moharam Mostafa

Pediatric Dentistry-CHAT Venice

Patricia Saura McClory
Jack C. Yeung

Pediatric Dentistry-Westwood

Thawinee Chaichanasakul
John Shengdao Chen
Alex Ryan Griego
Adele Phyllis Newell
Konita Lee Wilks

Periodontics

Tabitha Nein-Tzu Chen
Peter Alfonse Refela



*“I can’t thank my mentors
enough for the guidance
they’ve given me over the past
six years in residency.”*

Raquel Ulma, UCLA DDS ‘08, PG Cert (OMS) ‘14

Oral Biology Degree *RECIPIENTS*

PhD Recipients

Andreh Barkhordarian – (Mentor: Dr. Francesco Chiappelli)
Biomarkers and Local Responses to Temporomandibular Joint Disorders

Helen Tseng Dick – (Mentor: Dr. Anahid Jewett)
Natural Killer Cells as Effectors for Selection, Differentiation and Resistance of Healthy and Transformed Stem Cells

Edward Meyer – (Mentor: Dr. Igor Spigelman)
Behavioral, Biochemical, and Physiological Components of Stress-Enhanced Fear Learning in an Animal Model of Post-Traumatic Stress Disorder

Yu-Chyuan Trent Su – (Mentor: Dr. Siavash Kurdistani & Dr. Wen Yuan Shi)
Dynamics of Host Cell Transcriptome in DNA Tumor Virus Infection



“I have thoroughly enjoyed my time here as a Ph.D. candidate in the Section of Oral Biology. This section is full of world class scientists and clinicians. The education and training that I received has provided me with the wherewithal to study important scientific questions and share my research at national and international conferences.” – Ed Meyer

MS Recipients

Elise Boersma – (Mentor: Dr. Kyle Lee)
Effects of a Novel Mini-Implant Assisted RPE in an Early and Late Treatment Group through CBCT Analysis

Vickie TamDoan Bui – (Mentor: Dr. Anahid Jewett)
Bacteria Induced Split Anergy in NK Cells Drive Maturation, Differentiation and Resistance of Healthy and Transformed Stem Cells

Yangpei Cao – (Mentor: Dr. Mo Kang)
Senescing Effect of Ionizing Radiation on Dental Pulp Cells

Chuck Carlson – (Mentor: Dr. Won Moon & Dr. Sotirios Tetradis)
Landmark-Free Three-Dimensional Quantification of Morphologic Variation and Shape Change in the Mouse Mandible

Nicole Cheng – (Mentor: Dr. Christine Hong & Dr. Sotirios Tetradis)
Effects of Timing of Bisphosphonate Treatment on Intraoral Cleft Bone Grafting in an Animal Model

Tracy Li Cheung – (Mentor: Dr. Christine Hong)
Mini Implant Facilitated Accelerated Tooth Movement in Rats: A Pilot Study

Naseim Elzakra – (Mentor: Dr. Shen Hu)
Identification and Characterization of SOX11 Binding Proteins in Oral Cancer Cells

Ching-Yun Hsu – (Mentor: Dr. Kang Ting)
Silver Nanoparticle-Based Materials for Orthopedic Implantation

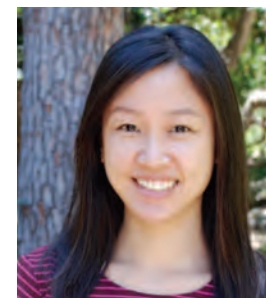
Eoon-Hye Ji – (Mentor: Dr. Shen Hu)
Mass Spectrometry-based Proteomic Analysis of Oral Cancer Cells

Kawaljit Kaur – (Mentor: Dr. Anahid Jewett)
Role of Osteoclasts in the Pathogenesis of Osteonecrosis of the Jaw (ONJ)

Rachel Suhhee Lee – (Mentor: Dr. Reuben Kim)
Microarray Gene Expression Profiling of Bisphosphonate-Treated Normal Human Oral Keratinocytes

Mohamed Moharam Mostafa – (Mentor: Dr. Won Moon)
Developing a Corticopuncture System to Accelerate the Rate of Tooth Movement

Juyoung Park – (Mentor: Dr. Kang Ting)
Systemic Delivery of PEGylated NELL-1 as a Novel Strategy for Osteoinductive Therapy



“It has truly been an honor working with such talented mentors and fellow residents over the last three years in the UCLA Oral Biology/Orthodontics program. I am confident that residents leave with a strong clinical and scientific foundation to succeed in their future endeavors.”

– Nicole Cheng

Ramin A. Rabii – (Mentor: Dr. Shen Hu)
A Study on DNA Repair and Invasion of Head and Neck Cancer Cells

Michelle Wu – (Mentor: Dr. Renate Lux)
A Phylogenetic Study of *Fusobacterium nucleatum* Using the Major Outer Membrane Protein FomA

Training Dentists from Around the *GLOBE*

The UCLA School of Dentistry is the leader of dental education in the world. For this reason, the dental school's international training programs have grown in popularity over the past several years. The variety of programs paired with a world-class faculty is extremely attractive to an ever-increasing pool of enrollees.

The Advanced Clinical Training (ACT) Program and Preceptorship program experienced another successful and productive academic year. The valuable training programs, which cater to an international and domestic audience, help enrollees gain advanced skills in the dentistry field in an abbreviated amount of time. The majority of the program's participants are trainees from abroad with countries of origin of the 2013-2014 trainees spanning over 21 countries in six continents. At the June 2014 certificate ceremony, 33 ACT trainees and 43 preceptors completed certificate programs. The enrollment numbers for the ACT program were on par with the last few fiscal years, and while the number of preceptor trainees declined, the amount of time that they were enrolled

increased. In the previous fiscal year, there were 94 quarters of preceptor enrollments, whereas in the 2013-2014 fiscal year, there were 116. This means that preceptors stayed in their programs for longer periods of study. Additionally, both restorative dentistry and the surgical implant dentistry ACT program grew.

Participants who completed training programs returned to their home country to put into practice the skills they learned while at UCLA. Some trainees took their experience further and applied to postgraduate programs and DDS programs throughout the U.S.

Rodrigo Gomes Beltrao, BDS, MsC, PhD

ACT Trainee in Advanced Surgical Implant Dentistry

"My experience as an Advanced Surgical Trainee allowed me to enhance my professional skills. Having access to high quality education shared with colleagues from all around the world and lead by the UCLA faculty members expanded my horizons in dentistry. This was definitely the most valuable year of my professional career."



Sungjun Hwang, DMD

ACT Trainee in Restorative Dentistry

"The 2-year ACT program in Restorative Dentistry helped improve my hand-skills and gave me the confidence to practice dentistry. My mentors were energetic, enthusiastic and encouraging."

Naruna Chevangkul, DDS

ACT Trainee in Orthodontics

"I had a wonderful time as an ACT student over the past 12 months. I now have both clinical and research experience. Moreover, the faculty, staff, and residents were very nice and helpful."

ADVANCING the Dental Profession

As the arm of UCLA School of Dentistry's continuing professional development and educational programs, the Office of Continuing Dental Education (CDE) made a significant push to increase the number of hands-on training workshops offered during the 2013-2014 fiscal year. This made for a busy schedule and course load, however their efforts paid off. CDE was able to increase the attendance of dental professionals who came from around the country and even internationally to train with the best and the brightest that UCLA Dentistry has to offer. Moreover, many of UCLA's clinical faculty teach CDE courses, elevating the quality of patient care being delivered around the world.

In addition to over 50 courses being held each year, the Office of CDE branched out to provide courses throughout California. They also have plans to stretch the UCLA Dentistry name even further.

Looking to the Future

Starting in the 2014-2015 fiscal year, they will bring together UCLA faculty with other Key Opinion Leaders in the dental field to launch three new novel programs; "The UCLA Multidisciplinary Dental Forum", "The UCLA Congress on Dental Aesthetics", and "The UCLA Interdisciplinary Dental Implant Forum."

There are additional plans to continue expansion globally through extended hands-on training workshops with dentists from various countries including, Japan, China, Bolivia, Greece, and Brazil. Additionally, several UCLA faculty members are spearheading new CDE programs in the coming fiscal year, including several Associate Deans and Section Chairmen, Drs. Tara Aghaloo, Paulo Camargo, Mo Kang, Ed McLaren, Peter Moy, and Daniela Silva.

UCLA CDE courses help re-train dentists and keep them abreast of the latest technologies and advancements in the dental field, helping them provide the highest quality of care. Through this endeavor UCLA is helping patients around the world.

All of the accomplishments made by the Office of CDE would not have been possible without an exemplary group of instructors and a dedicated staff.

Todd R. Schoenbaum, DDS, FACD
Director, Continuing Dental Education



Dr. Richard Stevenson (center) teaching advanced restorative techniques during a live patient workshop with doctors from South America.

By the NUMBERS

1,803

Total Number of Participants

1,037

Total Number of CDE Hours

64

Total Number of Courses

Groundbreaking **RESEARCH** TO CONQUER DISEASES

Groundbreaking is used to describe the UCLA School of Dentistry's research enterprise. The 2013-2014 fiscal year did not fail to live up to our reputation as a world leader in health sciences research. There were 25 new contracts and grants, totaling over \$19 million, awarded to faculty from the National Institutes of Health and other funding agencies, such as foundations, private industry, and state and local governments. The total amount of research contracts and grants received hit a staggering \$26.3 million, making 2013-2014 a banner year for the UCLA School of Dentistry. The number of faculty members who served as principal investigators (PIs) on contracts and grants awarded to the School of Dentistry remained steady with a total of 36 PIs.

UCLA Dentistry continues to be among the top funded dental schools by the National Institutes of Health (NIH). The majority of the NIH funding comes from the National Institute of Dental and Craniofacial Research (NIDCR), which totaled nearly \$7.5 million.

The following NIDCR-funded research projects began in the 2013-2014 fiscal year and were either nearly at or above \$2 million:

- Nearly \$2 million grant awarded to study the unexplained side effects of anti-resorptive agents was given to Dr. Reuben Kim, principal investigator, and his co-PIs Drs. No-Hee Park, Mo Kang, and Ki-Hyuk Shin. The research team will look at how these anti-resorptive agents cause osteonecrosis of the jaw – a painful disease that affects the upper and lower jaws.
- Nearly \$2.3 million grant awarded to Drs. Cun-Yu Wang and Reuben Kim to examine epigenetic mechanisms that control HPV-mediated gene expression and oral cancer

development. They hope to identify new therapeutics that would control HPV-associated oral cancer.

- Over \$2.1 million grant awarded to Dr. Wenyuan Shi to study the domestication and characterization of the bacteria TM7– the most elusive oral bacteria. TM7 is a potential pathogen that is difficult to study, as no one has been able to culture the bacterium since its discovery 20+ years ago.

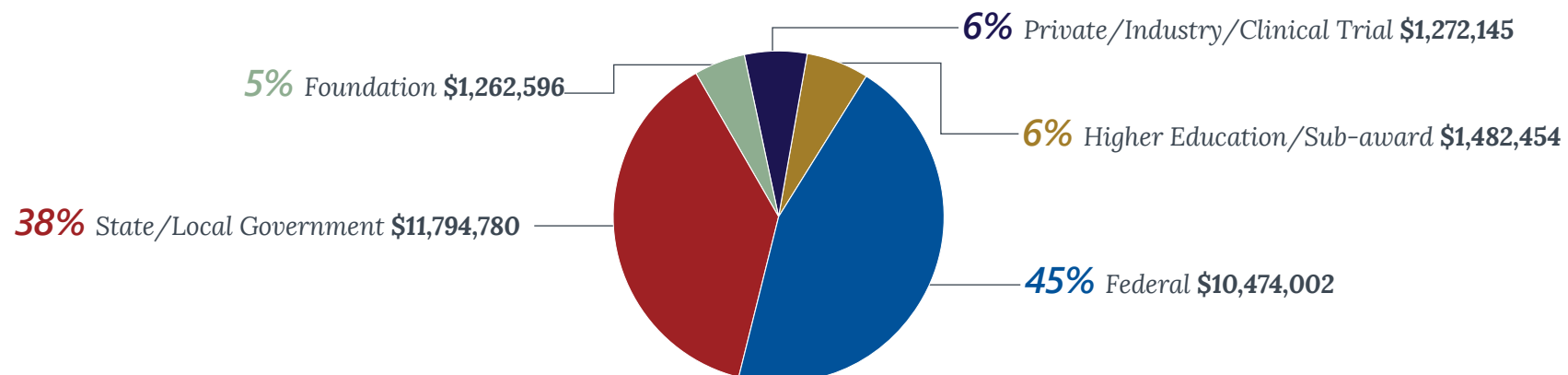
- Nearly \$2.7 million was awarded to Dr. Honghu Liu to develop a database to be used by oral health professionals, researchers, and policy makers to effectively measure oral health outcomes among children and adolescents, ages 2-17 years. This is the first database of its kind.

Another landmark research grant that the School of Dentistry received was for nearly \$4 million over five years to Dr. David Wong from NIH's Common Fund's Extracellular RNA Communication initiative. The initiative aims to tap into the transformative potential of the emerging field of salivary diagnostics. The study has the potential to create a new paradigm in the field of salivary diagnostics, and it could supply concrete evidence that saliva can be used in the detection of life-threatening diseases, including diabetes and cancers of the pancreas, breasts, ovaries and stomach.

Our research was also widely recognized in several leading journals, including *Science Signaling*, *Journal of Biological Chemistry*, and *Science Translational Medicine*. A full list of our research publications can be found later in this section. Dr. Dean Ho continued to lead the dental school in nanodiamond research and his team's work was published

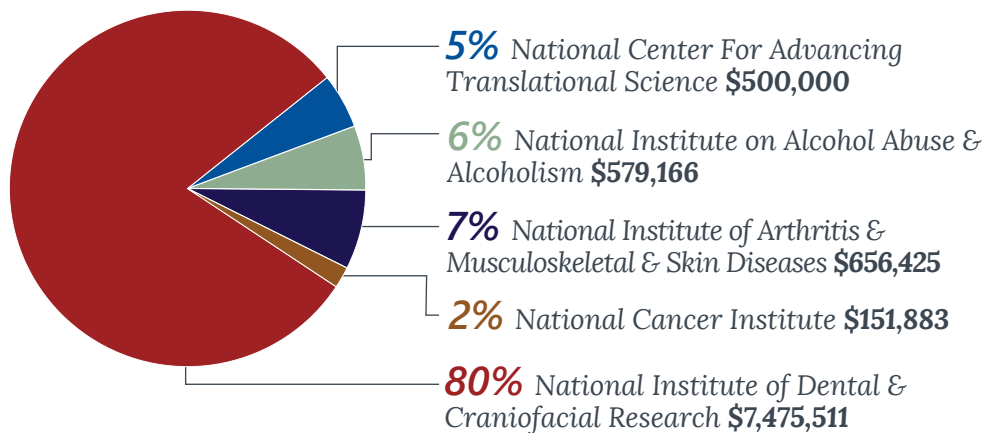
Grants by Funding **SOURCE**

Amounts reflect what was received in the 2013-2014 fiscal year, versus what was awarded.



National Institutes of Health Grants by *INSTITUTE*

Amounts reflect what was received in the 2013-2014 fiscal year, versus what was awarded.



in several highly respected journals. Of particular note was a study published in *ACS Nano*, about the therapeutic benefits of nanodiamonds to treat glaucoma, which can eventually lead to blindness. His work was widely covered in national and international media.

Another noteworthy faculty achievement was the election of Dr. Cun-Yu Wang, an internationally known cancer and stem cell researcher, as a foreign member to the Chinese Academy of Engineering – one of the most prestigious and exclusive engineering and medical academies in Asia. He was one of only six individuals in the world to be elected as a foreign member in 2013 and is the only faculty member from UCLA to ever receive this distinction. Membership into the Chinese Academy of Engineering is deemed one of the highest honors in the fields of engineering, medicine, public health, biotechnology, and pharmaceuticals in China.

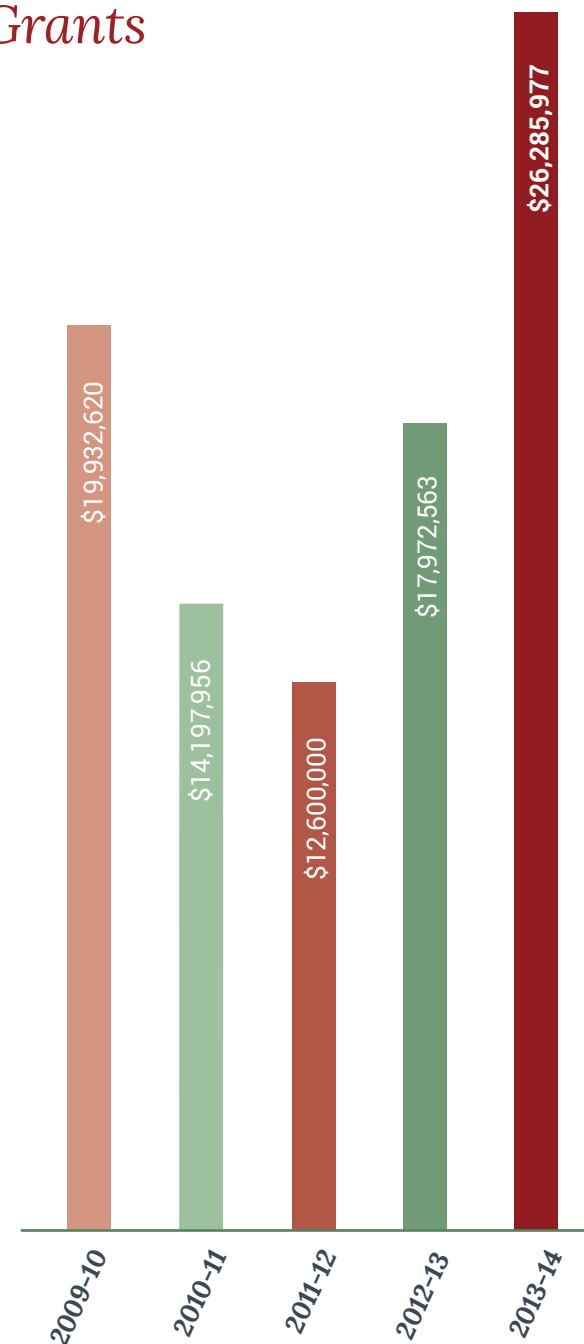
The School of Dentistry continued to expose health sciences research to disadvantaged young adults. For the seventh year in a row, the dental school offered a unique educational opportunity for Los Angeles area high school students. Our Pre-college Science Education program, one of our Science, Technology, Engineering, and Mathematics (STEM) pipeline initiatives, exposes gifted, underrepresented students to the exciting world of university research in the health sciences. With special funding from UCLA Chancellor Gene Block and the Office of the Dean, the program will continue for several more years.

Lastly, I would like to take this opportunity to acknowledge and express my gratitude to Dean No-Hee Park for his unprecedented support of the School of Dentistry's research programs in the form of seven faculty seed grants for the fourth time in the past five years.

As our research faculty members continue to advance the fields of dental science and patient care, I commend each of them for their commitment to conducting top-tier research programs that bring well deserved recognition to the School of Dentistry.

David Wong, DMD, DMSc
Associate Dean, Research

COMPETITIVELY Awarded Contracts & Grants



Pioneers in RESEARCH

Cancer Biology



Cancer is the second leading cause of death in the U.S. Oral cancers are particularly deadly, as they have a high mortality rate and sever morbidity after surgery.

Dr. Cun-Yu Wang (top), a leading cancer and stem cell researcher, has focused a portion of his research work on studying the metastasis of skin and neck cancers. In fact, Dr. Wang, along with Dr. Reuben Kim, recently received nearly \$2.3 million to study the mechanisms behind HPV-mediated gene expression and oral cancer development.



Dr. Yong Kim (2nd from top) is currently using genetic mouse models to look at the molecular mechanism in stem cell biology and cancer biology with potential impact on stem cell fate decision. Outcomes of his study would fill in missing parts of molecular regulatory network that controls both epigenetics and cell division through a tumor suppressor gene. A better understanding of the molecular mechanism and pathways will form the basis for practical applications of stem cell and cancer biology.



Drs. Mo Kang (2nd from bottom) and No-Hee Park (bottom) are

studying the progression of normal human oral epithelium into oral cancer, with an emphasis on the contribution from cancer viruses such as human papillomavirus and chemical carcinogens. They investigated the role of human telomerase gene (hTERT) in normal replication of oral epithelial cells, which requires active telomerase to retain chromosome integrity and continued replication. They recently identified Grainyhead-Like 2 (GRHL2), a novel upstream regulator of hTERT, which also regulates epithelial life span and plasticity. They were able to develop a conditional induced knockout mouse model of GRHL2 to test its physiological and pathological functions in oral carcinogenesis.



Osteonecrosis of the Jaw (ONJ)



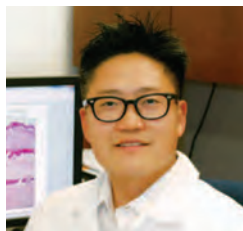
Osteonecrosis of the jaw (ONJ) is a serious disease of the orofacial complex. The condition is a side effect of bisphosphonate treatment, a drug that inhibits bone loss and is used to treat patients with bone cancer or osteoporosis.



Drs. Sotirios Tetradis (top), Tara Aghaloo (2nd from the top), Reuben Kim (bottom), and Ichiro Nishimura (2nd from the bottom), who have all secured RO1 grant funding, have invested years into studying the effects of bisphosphonates to better understand the clinical manifestations and pathophysiologic mechanisms of ONJ.



Combining their research expertise in bone biology and clinical expertise in oral and maxillofacial radiology and surgery, Drs. Tetradis and Aghaloo have established animal models that mimic the ONJ appearance in humans, which are used to explore ONJ pathophysiologic mechanisms and design interventional approaches to treat the disease. Using ONJ mouse models for both bisphosphonate and Denosumab, Dr. Reuben Kim (bottom) and collaborators found



that ONJ develops a result of defective osteomucosal healing, a term that describes simultaneous healing of soft and hard tissues in the oral cavity, via impaired bone resorption and woven bone formation.

Dr. Ichiro Nishimura (2nd from bottom) and collaborators looked at the behavior of bisphosphonates and was able to show that the drug attaches to bone by molecular equilibrium and thus, could be easily removed without osteoclastic bone loss. Before this discovery, it was believed that once bonded to bone minerals, bisphosphonates were not removed for an extended period of time.

Stem Cell



Transforming our understanding of genetics, including the proteins and enzymes that dictate how genes behave, is a powerful tool to understanding how to better treat cancer and disease.



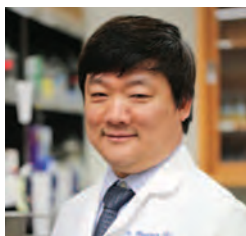
Dr. Cun-Yu Wang (top), a preeminent cancer and stem cell researcher, has focused his recent work on identifying the process that occurs when genes promote the spread of squamous cell cancer or skin cancer. Identifying these epigenetic factors, which modify the proteins responsible for promoting the spread of cancer, opens up new avenues for more effective cancer therapeutics. His team has also studied the molecular and epigenetic mechanism by which growth factors promote adult stem cells-mediated tissue regeneration by inhibiting inflammation.



Dr. Kang Ting (bottom), a leading expert in treating craniofacial deformities in children, was responsible for discovering a new gene, Nell-1, that is closely associated with craniosynostosis – when an infant skull prematurely fuses into bone. His discovery suggests that Nell-1 would be valuable in translational research related to bone formation and regeneration, with potential applications in craniofacial defect reconstruction as well as general orthopedic problems.

Dr. Ben Wu (middle), a renowned bioengineer, develops novel strategies to deliver genes, energy, drugs, and cells to accelerate tissue repair and regeneration for a wide variety of clinical applications. Besides building tools and technologies to control gene expression and cell fate, his lab also uses DNA as a natural biomaterial. One exciting application is the development of biocompatible, DNA-based drug carriers that blue light used in common dental offices.

Microbiology



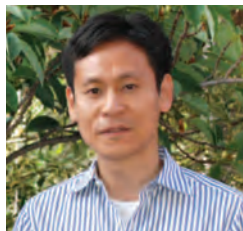
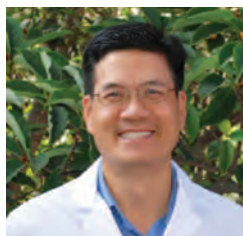
For the past 10 years, Dr. Wenyuan Shi (top) has been working on a new microbial technology that could essentially wipe out the bacteria that cause cavities. His technology, called specifically targeted anti-microbial peptides or STAMPS, is currently in the clinical trial phase of development, but could be available to the general public in the near future. The STAMPS formula comes in liquid form and would be released into the oral cavity to kill the bad bacteria that cause cavities.

But unlike conventional mouthwash and the other antibiotics on the market, it ignores the good bacteria. The effect would be the creation of a protective barrier for the good bacteria that provides long-term therapeutic benefits. Most recently, Dr. Shi received funding to study the domestication and characterization of the bacteria TM7 - the most elusive oral bacteria. TM7 is a potential pathogen that is difficult to study, as no one had been able to culture the bacterium since its discovery 20+ years ago.

Another researcher making headway in the fight against oral bacteria is Dr. Renate Lux (bottom). Her work focuses on understanding how bacteria in the mouth interact to form oral biofilm also known as oral plaque. Her work, in collaboration with Dr. Shi, revealed that bacteria employ a variety of different binding mechanisms to modulate their ability to attach to other bacterial species. With this new discovery, she can begin to study bacteria's binding process with a goal of combatting its ability to attach to teeth, tissue, and other surfaces. Both researchers' work will have a great impact on human health and disease.



Bioengineering/Biomaterials



The recent appointments of three world-class bioengineers, Drs. Ben Wu (top) Dean Ho (middle) and Dr. Min Lee (bottom) created a strong foundational expertise in bioengineering and biomaterials. Just as new dental materials have enabled breakthroughs in the areas of implants, bonding, tissue regeneration, and maxillofacial prosthodontics, the next generation of advanced technologies will revolutionize the ways in which dentists will diagnose, plan, prevent, and treat oral diseases.

A new generation of point-of-care diagnostic devices are being developed to enable rapid, low cost detection of biomarkers for oral and systemic diseases with unprecedented sensitivity and specificity. Modern approaches are

taken to reduce the damaging effects of ionizing radiation, minimize the loss of healthy tissues, while destroying cancer. Exciting new nanomaterials are being created to enable the delivery of stem cells, enable safer gene therapy, prolong therapeutic half-life, and regenerate complex tissues.

These and other groundbreaking technologies have the potential to transform the modern dental office from procedure-driven "drill & fill" practices to data-driven management of oral, craniofacial, and systemic diseases.

Salivary Diagnostics



Recent progress in biomarker discovery for systemic diseases using bodily fluids, specifically saliva, has demonstrated the importance of saliva's cellular signaling functions in differentiating disease from a non-disease counterpart. Researchers at the UCLA School of Dentistry are leading the way in the emerging field of salivary diagnostics, which has promising potential in the prediction and early detection of many oral and systemic diseases. Drs. David Wong (top) and Yong Kim (middle) are making a name for UCLA Dentistry in the field of salivary diagnostic research. Their current work is investigating the biological mechanisms behind exRNAs in exosomes as a molecular transmitting signal(s) from distal sites to saliva. Both Wong and Kim

are trying to explain the cellular and molecular mechanisms underlying the reproduction and distribution of systemic disease-specific exRNA biomarkers, which may prove to be beneficial to develop an early detection tool for life-threatening diseases, including diabetes and cancers of the pancreas, breasts, ovaries, and stomach.

Another researcher doing cutting-edge work in the field is Dr. Vivek Shetty (bottom), who is focused on using salivary biomarkers of the stress response to better detect and predict the psychological impact of traumatic injuries such as post-traumatic stress disorder. Dr. Shetty recently secured a large grant from NIH to develop new technologies to screen and measure traumatic psychopathology in patients with general trauma.

NEW Contracts & Grants

Grants and contracts awarded between July 1, 2013 and June 30, 2014

<i>Principal Investigator(s) & Sponsor</i>	<i>Project Title</i>	<i>Project Period</i>	<i>Total Awarded</i>	<i>Total Received</i>
Tara Aghaloo Biohorizons, Inc.	Evaluation of a Connective Tissue Attachment to a Laser Microgrooved Surface: A Human-Retrieval Histologic Study	09/25/13 - 08/31/15	\$80,519	\$80,519
Tara Aghaloo Straumann Company	A Randomized, Controlled, Multi- Center Clinical Study Evaluating the Crestal Bone Level Change of Straumann Bone Level O3.3 MM NC Slactive Roxolid Imp	03/04/14 - 03/03/19	\$49,500	\$49,500
Edmond Hewlett American Dental Association	Bud Tarrson Dental School Student Community Leadership Award	01/02/14 - 10/31/14	\$5,000	\$5,000
Dean Ho National Science Foundation	Multifunctional Nanodiamond Platforms for Targeted Imaging and Therapy *	08/11/12 - 07/31/15	\$313,639	\$313,639
Dean Ho Northwestern University	Theranostic Magnetic Nanostructures for the Molecular Imaging of Cancer	05/01/13 - 07/31/15	\$89,699	\$53,394
Dean Ho National Science Foundation	Scalable Fabrication of Nanodiamond Patch Platforms for Sustained Drug Release *	07/31/12 - 12/31/14	\$172,636	\$172,636
Christine Hong Cleft Palate Foundation	Effects of Bisphosphonate on Palatal Expansion and Alveolar Cleft Bone Grafting	07/01/13 - 06/30/14	\$5,000	\$5,000
Mo Kang/Shebli Mehrazarin , National Institute of Dental and Craniofacial Research	Role of Grainyhead- Like 2 (GRHL2) in Oral Carcinogenesis	01/01/14 - 12/31/14	\$43,032	\$43,032
Mo Kang/Alan Commet American Association of Endodontists Foundation	Epigenetic Regulation of Pulpal Inflammation: Opportunity for New Therapeutics	11/01/13 - 06/30/15	\$15,960	\$15,960
Reuben Kim , National Institute of Dental and Craniofacial Research	Molecular Mechanisms of Drug- Induced ONJ and Osteomucosal Chronic Wounds	09/13/13 - 05/31/18	\$1,925,000	\$770,000
Reuben Kim/Michelle Dang American Association of Endodontists Foundation	Role of Periapical Endodontic Lesions in Osteonecrosis of the Jaw in Mice	12/01/13 - 05/30/15	\$14,000	\$14,000
Honghu Liu , National Institute of Dental and Craniofacial Research	Patient- Reported Oral Health Outcomes Measurement Information System	09/25/13 - 05/31/17	\$2,669,548	\$1,213,724
Sanjay Mallya , National Institute of Dental and Craniofacial Research	Cyclin D1 and Vitamin D Signaling in Oral Keratinocyte Pathophysiology	09/26/13 - 08/31/15	\$231,000	\$115,500

* Grant was transferred from faculty member's previous position, therefore considered new to UCLA.

<i>Principal Investigator(s) & Sponsor</i>	<i>Project Title</i>	<i>Project Period</i>	<i>Total Awarded</i>	<i>Total Received</i>
Sanjay Mallya Allergan Pharmaceutical Corp.	Maxillofacial CT Image Analyses to Evaluate Efficacy and Safety of Botox Treatment of Masseter Muscle Hypertrophy	12/16/13 - 12/31/16	\$601,684	\$601,684
No-Hee Park/Paulo Camargo/Fariba Younai County of Los Angeles/Department of Public Health	Human Immunodeficiency Virus (HIV) Acquired Immune Deficiency Syndrome (AIDS) Oral Health Care (Dental Services)	03/01/13 - 02/28/15	\$2,362,908	\$1,181,454
No-Hee Park/Paulo Camargo/Fariba Younai DHHS/Health Resources & Services Administration	Dental Reimbursement Program	07/01/13 - 02/28/14	\$414,246	\$414,246
Vivek Shetty National Science Foundation	2013 mHealth Training Institute @UCLA	07/01/13 - 06/30/14	\$18,000	\$18,000
Wenyuan Shi/David Wong Delta Dental of Michigan	Exploring Host Salivary Biomarkers Related to Dental Caries	02/01/14 - 04/30/16	\$1,000,000	\$1,000,000
Wenyuan Shi/Xuesong He , National Institute of Dental and Craniofacial Research	Domestication and Characterization of TM7- The Most Elusive Oral Phylum	04/01/14 - 12/31/18	\$2,107,595	\$432,319
Igor Spigelman , National Institute on Alcohol Abuse and Alcoholism	Chronic Pain and Alcohol Dependence	09/01/13 - 08/31/15	\$404,250	\$221,375
Cun-Yu Wang/Reuben Kim , National Institute of Dental and Craniofacial Research	Epigenetic Control of HPV-Associated Oral Carcinogenesis	09/17/13 - 08/31/18	\$2,266,750	\$453,350
Shane White Farus, LLC	Noninvasive Dental Implant Imaging System	08/01/13 - 07/31/15	\$254,603	\$124,263
David Wong , National Center for Advancing Translational Science (<i>Common Fund</i>)	Clinical Utility of Salivary exRNA Biomarkers for Gastric Cancer Detection	08/01/13 - 07/31/18	\$3,699,294	\$500,000
David Wong Colgate Palmolive Company	Dry Mouth Project	01/10/14 - 01/19/15	\$237,952	\$237,952
Zhong Zheng Plastic Surgery Educational Foundation	Frep Cell- Based Therapy for Skeletal Muscle Generation	07/01/13 - 06/30/15	\$50,000	\$50,000

<i>New Grants Total</i>	\$19,031,815	\$8,086,547
<i>Continuing Grants Received</i>		\$18,199,430
Total New & Continuing Grants Received		\$26,285,977

PUBLICATIONS - Original Research Articles

Research publications between July 1, 2013 and June 30, 2014

Aghaloo TL, Cheong S, Bezouglaia O, Kostenuik P, Atti E, Dry SM, Pirih FQ, Tetradis S. RANKL inhibitors induce osteonecrosis of the jaw in mice with periapical disease. *J Bone Miner Res* 2014;29(4):843-54.

Aghaloo TL, Dry SM, Mallya S, Tetradis S. Stage 0 osteonecrosis of the jaw in a patient on denosumab. *J Oral Maxillofac Surg* 2014;72(4):702-16.

Al-Allaq T, Debord TK, Liu H, Wang Y, Messadi DV. Oral health status of individuals with cerebral palsy at a nationally recognized rehabilitation center. *Spec Care Dentist* 2014: epub ahead of print.

Arakawa C, Ng R, Tan S, Kim S, Wu B, Lee M. Photopolymerizable chitosan-collagen hydrogels for bone tissue engineering. *J Tissue Eng Regen Med* 2014: epub ahead of print.

Bae S, Sun S, Aghaloo TL, Oh JE, McKenna CE, Kang MK, Shin KH, Tetradis S, Park NH, Kim RH. Development of oral osteomucosal tissue constructs in vitro and localization of fluorescently-labeled bisphosphonates to hard and soft tissue. *Int J Mol Med* 2014;34(2):559-63.

Barkhordarian A, Pellionisz P, Dousti M, Lam V, Gleason L, Dousti M, Moura J, Chiappelli F. Assessment of risk of bias in translational science. *J Transl Med* 2013;11:184.

Bassi F, Carr AB, Chang TL, Estafanous E, Garrett NR, Happonen RP, Koka S, Laine J, Osswald M, Reintsema H, Rieger J, Roumanas E, Estafanous E, Salinas TJ, Stanford CM, Wolfaardt J. Clinical outcomes measures for assessment of longevity in the dental implant literature: ORONet approach. *Int J Prosthodont* 2013;26(4):323-30.

Bassi F, Carr AB, Chang TL, Estafanous E, Garrett NR, Happonen RP, Koka S, Laine J, Osswald M, Reintsema H, Rieger J, Roumanas E, Estafanous E, Salinas TJ, Stanford CM, Wolfaardt J. Oral Rehabilitation Outcomes Network-ORONet. *Int J Prosthodont* 2013;26(4):319-22.

Bassi F, Carr AB, Chang TL, Estafanous EW, Garrett NR, Happonen RP, Koka S, Laine J, Osswald M, Reintsema H, Rieger J, Roumanas E, Salinas TJ, Stanford CM, Wolfaardt J. Economic outcomes in prosthodontics. *Int J Prosthodont* 2013;26(5):465-9.

Bassi F, Carr AB, Chang TL, Estafanous EW, Garrett NR, Happonen RP, Koka S, Laine J, Osswald M, Reintsema H, Rieger J, Roumanas E, Salinas TJ, Stanford CM, Wolfaardt J. Psychologic outcomes in implant prosthodontics. *Int J Prosthodont* 2013;26(5):429-34.

Bassi F, Carr AB, Chang TL, Estafanous EW, Garrett NR, Happonen RP, Koka S, Laine J, Osswald M, Reintsema H, Rieger J, Roumanas E, Salinas TJ, Stanford CM, Wolfaardt J. Functional outcomes for clinical evaluation of implant restorations. *Int J Prosthodont* 2013;26(5):411-8.

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Tara Aghaloo



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PUBLICATIONS - Original Research Articles

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Faculty Principle Investigators (PIs) and Co-PIs of GRANTS AND CONTRACTS



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Faculty Principle Investigators (PIs) and Co-PIs of GRANTS AND CONTRACTS



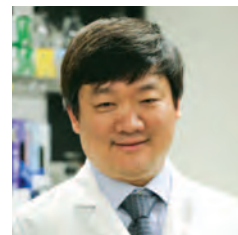
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PUBLICATIONS - Book & Book Chapters

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NIH Career Development AWARDS

Principal Investigators	Sponsor	Mechanism	Title
Tara Aghaloo	NIH/NIDCR	K02	Salivary Biomarkers in The Diagnosis of Bronj
Eric Tang/Cun-Yu Wang	NIH/NIDCR	K99	Molecular Regulation of The Invasive Growth of Oral Cancer by YAP
Shebli Mehrazarin/Mo Kang	NIH/NIDCR	F30	Role of Grainyhead-Like 2 (Grhl2) in Oral Carcinogenesis
Edward Meyer/Igor Spigelman	NIH/NIAAA	F31	Gabaergic Inhibition in Stress - Enhanced Fear Learning

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Federal Training GRANTS

<i>Principal Investigators</i>	<i>Sponsor</i>	<i>Mechanism</i>	<i>Title</i>
Francisco Ramos-Gomez	HRSA	D88	Postdoctoral Training In General, Pediatric and Public Health Dentistry and Dental Hygiene
David Wong	NIH/NIDCR	T90/R90	UCLA Dentist - Scientist & Oral Health - Scientist Training Program
Diana Messadi	NIH/NIDCR	R25	Recruiting, Mentoring, and Empowering the Next Generation of Academic Dentists

Commitment to PATIENT CARE & Public Service

The UCLA Dental Clinics at the UCLA School of Dentistry experienced a very productive 2013-2014 fiscal year. Our patient care services continue to provide general dentistry and specialty care to diverse populations in the Los Angeles metropolitan area. Our patients, who span in age from toddlers to seniors, are seen at our Westwood clinics and at the Wilson-Jennings-Bloomfield UCLA Venice Dental Center with treatment needs that range from preventive and basic to complex and multidisciplinary. The care we provide is not only essential for the wellbeing and health of the patient populations we serve, but is also necessary for the education of our dental students, residents, and other trainees. The value we bring to the community continues to be the provision of affordable, high-quality dental care.

During the 2013-2014 fiscal year, the UCLA Dental Clinics received a total of 140,246 patient visits, which corresponds to an increase of nearly 2 percent when compared to the 2012-2013 fiscal year, considering that our services in San Diego were discontinued at the end of the 2012-2013 fiscal year. Our clinic operations had a 3.3 percent increase in revenue. This revenue increase, when combined with effective management of resources, translated into a 46 percent increase in profitability. Despite the less than favorable economic climate, the financial viability of our clinics has been steadily increasing over the last few years, suggesting that self-sustainability may become a reality in the future, which is a major and rare of benchmark among dental school clinics.

The success of our dental clinic operations is attributable to the commitment of our students, residents, trainees, faculty, and staff to serving the comprehensive needs of

our patients. It is through our high patient satisfaction that our clinics continue to generate new referrals, which helps to expand our reputation as a provider of quality dental care in the greater Los Angeles region. Our patient care operations remained innovative and flexible, which allowed us to quickly respond to the worthwhile opportunities described below.

Enhancing Access to Dental Care to HIV+/AIDS Patients

The School of Dentistry was able to secure a 2-year patient care contract from the Department of Public Health of the County of Los Angeles. The \$2.36 million award allows for the provision of dental care to over 1,000 HIV+/AIDS patients per year. It is the ultimate goal of both organizations – UCLA School of Dentistry and the County of Los Angeles – to extend this contract on an indefinite basis. The funding is being channeled through the federal government’s Ryan White Care Act, which funds HIV disease-related services to individuals who do not have sufficient health care coverage or financial resources (see full report on page 32). I conducted most of the negotiating with the County of Los Angeles and would like to thank Dr. Fariba Younai for her efforts in working out the details of the contract.

Community Outreach Partnership with Wilshire Bank

In 2013, Wilshire Bank and the School of Dentistry embarked on a partnership to provide dental treatment for various populations in the community. Wilshire Bank pledged \$100,000 over a 5-year period to provide free oral health screenings and dental care to underserved individuals and families who live in the Los Angeles metropolitan area. The 2013 UCLA/Wilshire Bank screening day triaged 250 patients, of which 115 received free care on treatment day (see complete coverage on page 31). The School of Dentistry wishes to express its appreciation to Drs. Nancy Reifel and Jeffrey Goldstein for their leadership and coordination. Planning for the 2014 UCLA/Wilshire Bank event is currently underway.

Patient VISITS

Adv. Edu. in General Dentistry - Venice	4,678	Jack & Geraldine Weichman Endodontics Clinic	3,562	Oral Diagnosis	1,762
Adv. Edu. in General Dentistry - Westwood	4,439	Faculty Group Dental Practice - Westwood	29,228	Oral Pathology	4,600
Anesthesiology Faculty Practice	530	Harbor - UCLA Medical Center	1,368	Oral Radiology	4,927
Center for Esthetic Dentistry	1,187	Maxillofacial, Graduate Prosthodontics & Hospital Dentistry	11,006	Oral Surgery Faculty Practice - Venice	911
Children's Dental Center of Greater Los Angeles	1,932	Oral & Maxillofacial Surgery - Westwood	7,383	Orofacial Pain and Oral Medicine Faculty Practice	1,585

Return of Adult Denti-Cal

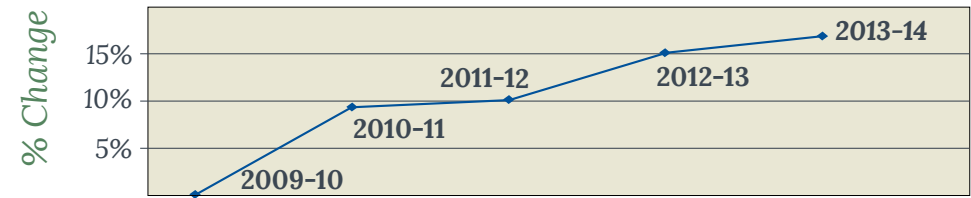
Following a 5-year hiatus in the funding of dental treatment for adults, the Denti-Cal program was re-instituted as of May 1, 2014. The School of Dentistry has been re-credentialed with California as a provider of dental care for qualifying adults, in addition to continuing to provide dental care to children. This is an important step in increasing access to dental care for the financially disadvantaged populations, who constitute a substantial fraction of our patient pool. Although the new Denti-Cal benefits are more limited than when they were last available in 2009, the School of Dentistry has been working to combine funds raised through philanthropy, along with the coverage offered by Denti-Cal, to provide comprehensive care to underserved adult patients.

Investing in Our Clinic Infrastructure

There were several infrastructure improvement projects that occurred during the 2013-2014 fiscal year. Updating our clinical treatment areas allows for increased patient care capacity and more efficient patient flow. One of the spaces that will undergo renovation is the operating room in the Oral and Maxillofacial Surgery (OMS) Clinic. The large, outdated room became inactive nearly fifteen years ago when OMS services began performing its major procedures at the Ronald Reagan UCLA Medical Center. Today, the room is used strictly for outpatient procedures. Initial planning for a complete overhaul began and construction is set to begin December 2014. The project will take the mostly unused space and convert it into two additional treatment rooms. This transformation will substantially increase patient capacity in the OMS clinic. Funding is being provided by the Office of the Dean.

Coming to a close, the Section of Orthodontics' Clinic Innovation Unit was completed in 2014. The project began in May of 2013 and took the better part of the 2013-2014 fiscal year to complete. Improvements include renovation of clinic and office spaces and the addition of state-of-the-art digital technology. The fully integrated clinic features a 3D-scanner and printer; a model scanner that scans models; specialized software that uses patient or

5-Year Snapshot of PATIENT VISITS



model data to generate virtual tooth movement; and an additional imaging and practice management software that organizes all components of the patient database. The Clinic Innovation Unit was made possible by funds raised by the Section of Orthodontics and the Office of the Dean.

Maximizing Our Space

Another project that kicked-off was construction for a new conference room on the B-level. For a long time, the space being renovated was used for storage. However, there was an urgent need for a modern lecture/seminar room and the underutilized square footage was the perfect location for this purpose. With funding from the Office of the Dean, the new seminar room will be able to accommodate dozens of guests and will support our graduate clinics and the education of our residents and students. It will also be used to host visiting speakers who come to the dental school to present to smaller audiences.

Paulo M. Camargo, DDS, MS, MBA, FACD
Associate Dean, Clinical Dental Sciences

Orofacial Pain
Graduate Clinic

1,502

Postgraduate Periodontics &
Implant Surgery Clinic

3,486

Straumann Surgical
Dental Clinic

2,035

Orthodontics - Venice

313

Pre-Doctoral Clinic -
Venice

4,596

Sunset Kaiser Permanente
Medical Center

568

Dr. Thomas R. Bales
Orthodontic Clinic -

12,120

Pre-Doctoral Clinic -
Westwood

26,535

UCLA Craniofacial Clinic

720

Pediatric Dentistry -
Venice CHAT

1,477

Ronald Reagan UCLA
Medical Center

752

VA Sepulveda

180

Pediatric Dentistry -
Westwood

6,288

Saban Free Clinic

288

VA Wadsworth

288

140,246
Total Number of
Patient Visits

CREATING Partnerships to Provide Care

In July of 2013, Wilshire Bank and the UCLA School of Dentistry embarked on a collaborative partnership to reshape patient care and dentistry education for customers of the bank and residents of the Los Angeles metropolitan area. Wilshire Bank, which serves multi-ethnic small and mid-sized business communities, pledged \$100,000 over a 5-year period to the dental school to provide free oral health screenings and dental care to the community.

The funding established the Wilshire Bank Community Outreach Fund, a fund which covers part of the supplies to examine, screen, and treat individuals each year. The School of Dentistry matched the bank's gift by contributing \$100,000 over five years in in-kind donations including faculty time and expertise, additional supplies, and staff support.

The collaboration delivers oral health screening exams, oral care instructions, and dental home care kits to people who are in dire need of dental care. In addition, the

treatment plans generated by these annual screenings creates an opportunity for those severely lacking in access to receive definitive dental care and oral health education at the School of Dentistry's clinics.

On an annual basis, the patient examination and screening procedures are held at a local bank branch in the Los Angeles area and dental treatment days are held at the School's dental clinics in Westwood for those patients selected from the screening procedures. The partnership also provides a learning opportunity for dental students who are active and enthusiastic participants in the events.

The first screening day took place on Saturday, October 12, 2013, at the Wilshire Bank headquarters in Koreatown; and the treatment day took place the following weekend on Saturday, October 19, 2013. The partnership will continue through 2017.

Care Provided

Procedures Delivered: **334**

Quadrants of Scaling: **69**

Patients Treated: **115**

Endodontic Procedures: **29**

Direct Restorations: **113**

Radiographic Exams: **35**

Extractions/Biopsies: **76**

Treatment Plans: **12**



"I couldn't be more pleased about our partnership with the UCLA School of Dentistry and the goodwill the collaboration will generate in the community."

Jae Whan Yoo, President and CEO of Wilshire Bank

Volunteers, made-up of dental students, residents, and supervising faculty, gave up two weekends to help screen and treat dozens of patients who were in dire need of dental care.

Treating HIV+/AIDS PATIENTS

Gaining access to affordable medical and dental care is a major challenge for people living with HIV and AIDS, many of whom are disabled and cannot afford dental exams and treatment. For this underserved, vulnerable population, maintaining oral health is important not only for functional and aesthetic reasons, but also as part of overall HIV disease management.

At the beginning of May of 2013, the Los Angeles County Department of Public Health awarded the UCLA School of Dentistry a 2-year grant of \$2.36 million, which will enable UCLA to provide dental care for more than 1,000 people with HIV or AIDS each year.

The program is being funded under the Ryan White Care Act, which works with cities, states, and community-based organizations to provide HIV-related services to individuals who do not have sufficient health care coverage or financial resources. An estimated 50,550 people who have been diagnosed with HIV and AIDS are living in Los Angeles County – and, counting undiagnosed cases, experts believe the number might actually exceed 60,000.



“The dental needs of HIV-positive and AIDS patients can be extensive and complex. This contract allows the delivery of comprehensive dental treatment to a large patient population that would otherwise not have access to this type of care.”

Dr. Paulo Camargo, Associate Dean of Clinical Dental Sciences, Tarrson Family Endowed Chair in Periodontics



“With this funding, we are going to be able to provide quality dental care and oral health specialty services to thousands of patients living with HIV and AIDS. The patients targeted in this program are financially disadvantaged and have extremely limited access to care.”

Dr. Fariba Younai, Professor of Clinical Dentistry, Section of Oral Medicine & Orofacial Pain & Vice Chair of the Division of Oral Biology & Medicine

Patients will receive diagnostic services such as exams and radiographs; preparatory work such as cleanings and removal of tooth decay; and corrective care including extractions, fillings, crowns and other prostheses, and periodontal surgery. In addition, care providers will emphasize prevention and early detection of oral diseases by teaching patients about the importance of proper oral care at home and periodic visits to the dental office for examinations.

The majority of the patients who will be treated will be referred by neighboring clinics that specialize in caring for people with HIV and AIDS. A patient care liaison will assist with communication between the referring clinics and the UCLA Dental Clinics to help position dental care as an integral component of the patients' overall health.

By the NUMBERS

\$2.36 mil.

Total Funding for
Patient Care Over 2 Years

50,000+

Diagnosed Cases of
HIV/AIDS in L.A

1,000+

Patients Treated
Annually in Program

DELIVERING Oral Healthcare to Our Community

Clinical Care Locations

- A. VA Sepulveda
- B. VA Wadsworth/VA West LA
- C. UCLA Dental Clinics
Ronald Reagan UCLA Medical Center
UCLA Medical Plaza
- D. Saban Free Clinic
- E. Wilson-Jennings-Bloomfield UCLA Venice Dental Center
- F. The Clinic, Inc.
- G. Harbor-UCLA Medical Center
- H. The Children's Dental Center of Greater Los Angeles
- I. Sunset Kaiser Permanente Medical Center



Health Fairs Locations

- 1. Power of God Church
- 2. John Sutter Middle School
- 3. Plaza del Valle
- 4. Our Lady of Peace Parish
- 5. City of San Fernando Recreation Pool Facility
- 6. El Cariso Park
- 7. All Nations Korean Church
- 8. East Valley High School
- 9. Reading to Kids
- 10. Crossroads School for Arts and Sciences
- 11. Boys and Girls Club of Santa Monica
- 12. Safe Place for Youth
- 13. Lenox Middle School
- 14. Lennox Academy
- 15. Inglewood Southside Christian Church
- 16. Kenneth Hahn Park
- 17. El Rodeo Elementary School
- 18. Hawthorne Elementary School
- 19. Wilshire Bank Headquarters
- 20. First African Methodist Episcopal Church
- 21. Martin Luther King Jr. Recreation Center
- 22. Community Outreach for OASIS House, South Central Health & Rehabilitation
- 23. Greater Ebenezer Missionary Baptist Church
- 24. Los Angeles Memorial Sports Arena
- 25. Bresee Youth Center
- 26. Miramonte Elementary School
- 27. Parmelee Elementary School
- 28. Los Angeles Convention Center
- 29. Fred Jordan Mission
- 30. Chinese United Methodist Church
- 31. Charles R. Drew University of Medicine and Science
- 32. Gardena High School
- 33. Wilmington Recreation Center
- 34. The First Evangelical Church of San Gabriel Valley
- 35. Monterey Park City Hall
- 36. Rancho Santa Gertrudes School
- 37. Westminster Civic Center
- 38. Salgado Community Center
- 39. Mammoth Elementary School/Mammoth Middle School
- 40. Big Pine School
- 41. Lone Pine School
- 42. Death Valley Academy/Death Valley School District

COMMITMENT to Public Service

Giving back to the community is an activity that is emphasized and encouraged in our pre- and post-doctoral training programs. During the 2013-2014 fiscal year, the number of adults and children who received a free oral health screening and oral hygiene instruction (OHI) increased to almost 3,000 – a nearly 30 percent jump from the previous fiscal year. Our pre-doctoral students and residents traveled to all corners of Los Angeles County to provide free dental care, and some even traveled to remote locations in Death Valley and Mammoth Lakes.

The School of Dentistry's public service initiatives date back to 1998 and 16 years later, this commitment remains strong. Our participation at health fairs and other community outreach events are organized through various divisions. Our Division of Public Health and Community Dentistry has two selective courses, led by Drs. Nancy Reifel, Assistant Professor and Vladimir Spolsky, Associate Professor, that pre-doctoral students can choose from: "Community Oral Health Education" and "Screening and Service". Our Pre-doctoral Program Director for Pediatric Dentistry, Dr. Chanel McCreedy, also maintains a busy schedule for pre-doctoral students interested in pediatrics and pediatric dentistry residents.

There were also four major events where the School of Dentistry had a strong presence, which included the annual Care Harbor Clinic, Give Kids A Smile, KJLH-FM's 14th Annual Women's Health Forum, and the newly created Wilshire Bank Community Outreach program.

Nearly 200 students and residents participated in 47 health fairs and outreach events, which occurred in the 2013-2014 fiscal year. In addition to the nearly 3,000 people who received free oral health screenings and OHI, we provided approximately 1,640 topical fluoride applications; 2,419 sealants for 419 children; and 118 sealants for 10 adults. The health fairs listed on the facing page, refers to outreach events where patients received free care and the clinical care sites refers to the patient visits listed on page 29 and 30, where our pre- and post-doctoral students and faculty provided quality, affordable care.

One of the benefits of participating in health fairs is that our pre-doctoral students and residents are exposed to diverse populations, of all ages and backgrounds, who have specific oral health needs. These public service activities prepare our trainees for future career demands that they may face in the country's ethnically and culturally rich landscape.

Public service is a value we strive to uphold and instill in everyone who receives training at the School of Dentistry. Providing a service to the community, while also educating our students and trainees, is among our most valuable contributions to society.



Pre-doctoral students at a health fair in Kenneth Hahn Park, sponsored by Assemblymember Holly Mitchell, who represents the 26th District. The dental students were on-hand to offer oral hygiene instruction.

By the NUMBERS

47

Health Fairs

Screenings: 2,908

Dental Sealants: 2,419

Topical Fluoride Applications: 1,640

CARING for Our Fellow Angelenos

For the fourth year in a row, dozens of pre-doctoral students, faculty, and residents from the UCLA School of Dentistry volunteered their time at the annual Care Harbor event – a major health fair near downtown Los Angeles that takes place at the Los Angeles Sports Arena. Thousands of adults and children lined up outside the arena, starting on Monday, October 28, 2013, to reserve a spot to receive free health services. The actual clinic days began on Thursday, October 31st and culminated on Sunday, November 3rd 2013.

The School of Dentistry was one of numerous health care providers in the Los Angeles area that came together during Care Harbor to provide free medical, dental, and vision care. This past year, dental care was in the highest demand.

The final number of people served this past October eclipsed past years. People seen by the dental school had the opportunity to have teeth examined, extracted, and even filled. The total number of patients seen by all dental care providers was nearly 2,000 individuals, with 400 seen on Thursday, 500 patients seen on Friday, 500 on Saturday, and 500 on Sunday.

Recognition and thanks goes to Drs. Edmond Hewlett, Dean No-Hee Park, Diana Messadi, Reuben Kim, William Morgan, Fariba Younai, Russell Christensen, Setareh Ghafouri, Mo Kang, James Kelly, and several residents who provided dental treatment; to Jeff Goldstein who spent two days assisting with patient flow and triage; and to several of our pre-doctoral students who volunteered as chair side dental assistants to the faculty and residents.

Right: Dr. Edmond Hewlett performs an extraction on a patient while two dental students assist.

Below: Dr. Diana Messadi does a preliminary examine on a young patient to evaluate his dental care needs.



“It was extremely rewarding to see and treat patients at Care Harbor. The care we provided meant so much to patients who suffered from dental problems for several months or even years.”

Dr. Reuben Kim, Associate Professor, Section of Restorative Dentistry

Giving Kids a Reason to *SMILE*

Pediatric Dentistry residents, dental students, and volunteer faculty rose to the occasion, and made this year's Give Kids A Smile event a resounding success. The annual outreach event took place on Saturday, February 8th, 2014, at The Children's Dental Center of Greater Los Angeles in the City of Inglewood. This national event was created in 2003 by the American Dental Association to promote pediatric oral health in underserved communities.

Under the Give Kids A Smile program, dental schools, dental societies, and local dentists across the country organize local health fairs, which aim to benefit thousands of young children who lack proper dental care. To prepare for the event, pre-doctoral students, pediatric dentistry residents, and faculty spent the week before the event visiting local elementary and junior high schools where they screened hundreds of children who had been deemed good candidates to receive actual dental treatment at the event.

Thank you to this year's coordinators: Peter Nguyen and Andy Ko, our first-year pediatric dentistry residents, and Amber Nierode and Laura Van (Co-Presidents of the Student Chapter of the American Academy of Pediatric Dentistry). Because of them, 150 children were screened by the Colgate Mobile Van and 63 patients received treatment, including radiographs, cleanings, restorations, pulp therapy, and over 200 sealants. Sixteen UCLA residents and several dental school faculty were on-hand to provide supervision to the dental students. In addition to treatment, 93 dental students provided oral hygiene instruction and diet counseling.

A special thanks to the following supporters: faculty from UCLA School of Dentistry, Colgate Outreach and the Mobile Dental Van, Kerr Total Care, GC America, dentists and staff from The Children's Dental Center of Greater Los Angeles, Premier Dental Products, Henry Schein, and the American Dental Association.

By the *NUMBERS*

150
Children Screened

Received Treatment: **63**

Sealants: **200+**

Dental Students: **93**



Above, from left to right: Laura Van (2015), Andy Ko (Peds Resident), Dr. Francisco Ramos-Gomez, Amber Nierode (2015) were on-hand all day volunteering their time at the annual event.

Right: Volunteers welcome young patients to the clinic.

Photos courtesy of Brendan John.



PROMOTING Dentistry and the Health Sciences in the Community

Creating Opportunities in the Health Sciences

The UCLA School of Dentistry makes a priority of developing pipeline programs to make careers in the health sciences more accessible to underrepresented communities in these challenging fields.

One program that has proven to be very successful in achieving this goal is our Pre-college Science Education program. Formerly funded by the Howard Hughes Medical Institute and now funded by Dean Park and Chancellor Block, this program, which has mentored nearly 70 individuals, prepares gifted and disadvantaged high school students for health and science-related baccalaureate degrees. The program enhances the participants' interest in science through a monthly Saturday Academy, summer research experiences in university laboratories, and mentoring activities at UCLA. Two scholars from the sixth-cohort, Sierra Balatan and Nancy Silva, jointly received a Student Award of Excellence at the recent AAAS Pacific Division Annual Meeting, taking second place in the poster competition in the Cell and Molecular Biology category. The number of university acceptances for the 2014 participating students is impressive and the colleges are among the top in the nation. Congratulations to program director Dr. Carl Maida, the faculty research mentors, and the student scholars for sustaining the excellence of this program.

Beyond Our Borders

For the second year in a row, 3rd year pre-doctoral students went beyond the limits of Westwood, and brought the Basic Dental Principles (BDP) course to Rwanda. In collaboration with the University of Rwanda, College of Medicine and Health Sciences, our DDS students remotely presented seven lectures to their counterparts via webinar software. Plans to continue the presentations during the 2014-2015 fiscal year are already in place, as well as an intellectual exchange program for faculty from both dental schools.

Collaborating with Medicine

The School of Dentistry continued its long-standing partnership with the David Geffen School of Medicine at UCLA for the Summer Medical-Dental Enrichment (SMDEP) and Pre-Medical/Pre-Dental Enrichment (PREP) Programs. The UCLA SMDEP was created to serve as a model teaching community in which students examine a variety of oral health and systemic issues affecting medically underserved communities. The curriculum is made up of problem-based learning cases, lectures, clinical experiences, small-group discussions, and a research project. The goal is for students to improve their learning skills and strengthen their foundation in science. Upon completion of this 6-week program, students become more aware of the urgent need for healthcare professionals in medically compromised communities and of the educational pathways that lead to providing medical and dental services to these populations. The other collaborative program, UCLA PREP, runs for seven weeks and is designed to provide pre-medical and pre-dental students from disadvantaged backgrounds with a means of strengthening their ability and readiness to study medicine or dentistry



Top photo: High school students in the Pre-college Science Education program spent a summer at the School of Dentistry working in a research lab. Left to right: Micayla Agyepong, Emily Rivera, Lila Torres, Oluwafemi Oyekan, and Damon Rideaux.

Bottom photo, from left to right: Greg Asatrian, Jeremy Chau, and Rebecca Moss. Pre-doctoral students in the Basic Dental Principles course.

Making Dental School a Reality

In its tenth year of existence, the School of Dentistry's Post-Baccalaureate program helped two underprivileged college students successfully gain acceptance to top dental schools. Following closely behind are two more students who recently completed the program, and are finalizing their dental school applications. These students will indeed be competitive and reach their goal of acceptance into dental school.

So far, a total of 46 students have completed the program since 2004, of the total, 32 have graduated from or are currently enrolled in dental schools, and six are currently applying. Many of the participants have chosen to pursue alternative degrees to dentistry. Two have completed Masters of Public Health degrees, one is pursuing a Ph.D., and one is pursuing dental hygiene. Efforts are underway with the Office of Development to seek funding and sponsorship to expand the program to accommodate more worthy students.

Helping Women Improve Their Oral Health

Noteworthy among our students' participation at numerous health fairs was radio station KJLH-FM's 14th Annual Women's Health Forum at the Los Angeles Convention Center in May. This was the second year that the School of Dentistry participated in this event. With over 9,000 women in attendance, this event constituted a major community outreach opportunity for our pre-doctoral students. Numerous attendees received oral cancer screenings and general oral health information. As a participating provider of health screenings, the dental school was mentioned in promotional materials and on-air announcements prior to the event. Our presence at this event served not only to elevate the profile of the dental school in the community, but also, constituted an opportunity to recruit new patients to our clinics.

Edmond Hewlett, UCLA DDS '80
Associate Dean, Outreach & Diversity



Top photo: Post-baccalaureate students present their research poster. Lillian Lwanga (left), entered the program after graduating from the University Massachusetts at Amherst and Wayne Gonzales (right) entered the program after graduating from the University of the Virgin Islands in St. Croix, US Virgin Islands.

Bottom photo: Conducting an oral cancer screening is a 4th year dental student, Linda Onyejiji, along with 3rd year dental student Tigon Abalos.

DEDICATED Faculty & Staff

The future of dental education is dependent upon the recruitment of talented, young faculty. We understand the challenges new professionals face when determining their career choice; and, we are proud that we continue to attract the highest qualified professionals with diverse backgrounds and expertise to become full-time academics.

During the 2013-2014 fiscal year, we recruited five talented young professionals to join our nationally and internationally recognized team. Their superb capacity to teach complements those of our existing faculty and together, we shall continue to advance our teaching, research, patient care, and public service initiatives. Moreover, the long-term retention of faculty is a key element of success for any program. We are proud that 124 faculty members have been with the school for 10 to 19 years, 81 members for 20 to 29 years, 37 members for 30 to 39 years and 12 members for 40 or more years.

Additionally, I would like to recognize those faculty listed at the right who have been promoted to a rank of professor, step VI and above. Achieving this rank is a significant milestone and can only be granted through sustained excellence and academic distinction in scholarship or creative activities, university teaching, and service.

We extend our heartfelt gratitude to all of our faculty and especially those who have dedicated their careers to the School of Dentistry for multiple decades. Your impact on education, research, patient care, and public service to the community and the dental profession is collectively immeasurable. Thank you for your service.

Ronald Mito, DDS '76, FDS, RCSEd

Associate Dean, Academic Programs & Personnel

Full-time Academic Senate Faculty Members

(Distinguished careers with a Rank of Professor Step VI or higher)

No-Hee Park, Distinguished Professor	Above Scale
Ian D. Coulter, Professor	IX
Cun-Yu Wang, Professor	IX
David T. Wong, Professor	IX
Kathryn Atchison, Professor	VII
Ronald S. Mito, Professor of Clinical Dentistry	VII
James J. Crall, Professor	VI
Alan L. Felsenfeld, Professor of Clinical Dentistry	VI
Ichiro Nishimura, Professor	VI
Vivek Shetty, Professor	VI
Wenyuan Shi, Professor	VI

Recognizing Distinguished TEACHING



If you have had the opportunity to work with Dr. Earl Freymiller, Clinical Professor and Chairman of the Division of Diagnostic and Surgical Sciences, you can attest to his dedication to the profession, to his trainees, and to the UCLA School of Dentistry. For the past 25 years, Dr. Freymiller has committed his life's work to improving the quality of instruction and the caliber of residents and pre-doctoral students that graduate from this dental school. For his accomplishments as a teacher, he was selected for the Distinguished Teaching Award for Senate Faculty by the UCLA Academic Senate Committee on Teaching. He was one of only six awards issued from a large field of nominees to receive this high-

level honor. The award shows how much of an impact he makes on his students and colleagues.

Dr. Freymiller, who holds the Bob & Marion Wilson Endowed Chair, was also awarded the 2013 Dr. Arthur A. Dugoni Faculty Award in recognition of his exceptional leadership, innovation, collaboration, and many other commendable qualities. In addition to the award, he received support to set-up a fund designated for improving teaching methods in UCLA's Oral and Maxillofacial Surgery Clinics. On behalf of the entire School of Dentistry community, we thank Dr. Earl Freymiller for his loyalty and dedication.

Above: Dr. Earl Freymiller, at left, with two trainees.

Interprofessional DEVELOPMENT

The UCLA School of Dentistry is leading the way in terms of curricular innovation and interdisciplinary approaches to dental education. In the 2013-2014 fiscal year, the dental school was among the first to partner with Schools of Medicine and Nursing to offer an interprofessional education (IPE) course in Systems-Based Healthcare. Changes in healthcare delivery have accelerated over the last 20 years with increasing emphasis on a healthcare team-based approach to ensure more efficient provision of care, error reduction, and enhanced clinical outcomes.

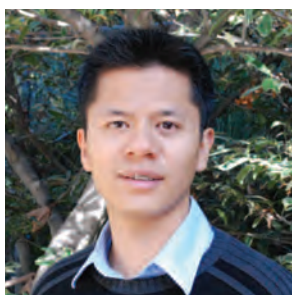
To adequately prepare students for this new practice environment, our faculty members worked diligently to create an IPE course that would provide third year dental students with a rare opportunity to interact with third year medical students and second year advanced practice nursing students through small group discussions focusing on common issues in healthcare management, such as leading inter-professional teams, addressing personal biases, and examining healthcare culture, politics, and economics. After

faculty successfully piloted the program, a credited course will become a regular fixture in the curriculum for our third year dental students beginning in Fall 2014.

To spearhead curricular innovations and to support faculty training, development, and curricular advancement, the dental school hired Dr. Minh Tran (pictured right with Dr. Neal Garrett) as the new Director of Curriculum and Academic Enrichment. Dr. Tran plans to offer faculty development resources and workshops in a number of areas, including instructional technologies, making use of limited class time, and identifying and developing students' talent and potential.



Welcome to Our NEW FACULTY



Dr. Jonathan Do

Full-time Lecturer, Section of Periodontics

- D.D.S., UCLA School of Dentistry '09
- AEGD Certificate, UCLA School of Dentistry '10
- Certificate in Periodontics, UCLA '13



Dr. Jin Hee Kwak

Visiting Assistant Professor, Section of Orthodontics

- D.D.S., Yonsei University, College of Dentistry '09
- M.S. in Oral Biology, UCLA School of Dentistry '12
- Certificate in Orthodontics, UCLA School of Dentistry '13



Dr. Joan Pi-Anfruns

Health Sciences Assistant Clinical Professor, Sections of Restorative Dentistry & Oral & Maxillofacial Surgery

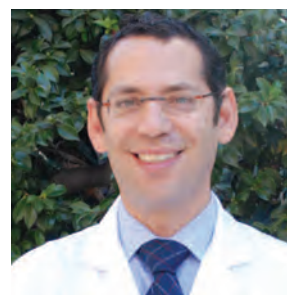
- D.M.S., Universitat Internacional de Catalunya '04
- Advanced Program in Implant Dentistry, NYU College of Dentistry '05-'07
- Surgical Implant Fellow, Straumann Surgical Dental Clinic, UCLA



Dr. Minh Tran

Academic Administrator & Director of Curriculum and Academic Enrichment

- M.Ed., Postsecondary Administration & Student Affairs, University of Southern California '05
- M.A., Higher Education & Organizational Change, UCLA '07
- Ph.D., Higher Education & Organizational Change, UCLA '11



Dr. Yair Whiteman

Health Sciences Assistant Clinical Professor, Section of Restorative Dentistry

- D.M.D., Semmelweis University '03
- Prosthodontics Training, Goldman School of Dental Medicine '06

Faculty HONORS



Dr. Flavia Q. Pirih, Assistant Professor in the Section of Periodontics & Director, Periodontics Pre-doctoral Program, received the Bud and Linda Tarrson Fellowship, which came with an award of \$12,000 annually for the next three years. The fellowship was established to recognize and reward the best and brightest scientific and clinical minds with a demonstrated skill for teaching.

Dr. Pirih also received the 2014 Award for Outstanding Teaching and

Mentoring in Periodontics from the American Academy of Periodontology (AAP) and Education Committee.

The AAP award is given at each dental institute to the periodontal educator who has demonstrated a commitment to excellence in providing education in the full scope of clinical periodontics and relays that enthusiasm to his/her students.



Dr. Christine L. Quinn, Clinical Professor & Chair of the Section of Dental Anesthesiology received the American Society of Dentist Anesthesiologists (ASDA) 2014 Leonard M. Monheim Award – the most prestigious award ASDA gives out. The award is intended to recognize dentists who have made outstanding contributions to the discipline of anesthesiology, benefitting the dental profession.

The Distinguished Service Award is named in honor of Leonard M.

Monheim, DDS, whose many contributions to the art and science of anesthesiology and visionary leadership helped lay the foundation for a specialty in anesthesiology for dentistry.

Dr. Quinn, the third UCLA Dentistry faculty member to receive this award, was recognized in May 2014 during the ASDA 2014 Annual Scientific Session in Boston.



Dr. Shane White, Professor, in the Section of Endodontics was re-elected for a second term as chair of The UC Retirement System (UCRS) Advisory Board. The Board develops ideas and new approaches to the provisions of UCRS benefits and communicates them to the President of the University. The UCRS Advisory Board discusses concerns relating to all members, participants, and their beneficiaries.

In addition, Dr White recently completed two terms as Chair of the UC system-wide Task Force on Investment and Retirement (TFIR). TFIR monitors and advises on policies and proposals relating to investment and retirement issues at the University of California.



Dr. Dean Ho, Professor in the Section of Oral Biology & Co-Director of the Weintraub Center for Reconstructive Biotechnology received the 2014 International Association for Dental Research (IADR) Young Investigator Award, which is generously supported by P&G Professional Oral Health, Crest Oral-B. He was recognized for his significant contribution to the field of dentistry research. He received the award at the IADR/AMER General Session and Exhibition in Capetown South Africa, along with a cash prize of \$3,500.

Dr. Ho was also named the Vice President of the Board of Directors for the Society for Laboratory Automation and Screening (SLAS) – an 18,000-member society focused on new drug development, automation, and screening/diagnostics. SLAS bridges academic and industry/government innovation.

Faculty HONORS



Dr. Cun-Yu Wang, Professor & Chair of the Division of Oral Biology & Medicine, Associate Dean for Graduate Studies & Dr. No-Hee Park Endowed Chair in Dentistry was elected as a foreign member to the Chinese Academy of Engineering – one of the most prestigious and exclusive engineering and medical academies in Asia. He was one of only six individuals in the world to be elected as a foreign member in 2013 and is the only faculty member from UCLA to ever receive this distinction.

Membership into the Chinese Academy of Engineering is deemed one of the highest honors in the fields of engineering, medicine, public health, biotechnology, and pharmaceuticals in China.

Dr. Cun-Yu Wang was also elected to the Scientific Advisory Board for the Journal of Laboratory Automation, the scientific publication for the Society for Laboratory Automation and Screening (SLAS). Additionally, he was named to the Asia Honorary Directorate for SLAS.



Dr. David Wong, Professor in the Section of Oral Biology, Associate Dean for Research, Director for UCLA Center for Oral/Head & Neck Oncology Research (COOR) & the Felix and Mildred Yip Endowed Professorship in Dentistry was awarded the 2014 American Association for Dental Research (AADR) – Student Research Group Mentor Award. He was

chosen by the AADR National Student Research Group Officers from a pool of nominated mentors from around the country. The award is given annually and was established in order to provide national recognition for outstanding faculty advisors.



Dr. Jin Hee Kwak, Visiting Assistant Professor in the Section of Orthodontics won second place in the Johnson & Johnson Hatton Awards Competition, which took place at the 43rd Annual Meeting & Exhibition of the American Association of Dental Research. Dr. Kwak's exciting report of successful *in vitro* and *in vivo* results presents PEGylated NELL-1 as a novel platform technology for the systemic treatment of various osteo deficient disorders including osteoporosis and post-surgical healing of large or medically-compromised skeletal defects.

Along with the award, Dr. Kwak received a full sponsorship to cover all travel and accommodation expenses to Cape Town, South Africa to compete in the 92nd General Session & Exhibition of the International Association for Dental Research.



Dr. Mo Kang, Professor and Chair of the Division of Constitutive & Regenerative Sciences & the Jack A. Weichman Chair in Endodontics was appointed as a regular member of the Oral, Dental, Craniofacial Study (ODCS) section within the National Institutes for Health Center for Scientific Review. The ODCS study section reviews applications on

oral microbiology, oral immunology, periodontology, cariology, salivary gland biology, pathophysiology and clinical studies of oral structures and restorative dentistry.



Dr. Takahiro Ogawa, Professor in the Section of Prosthodontics received the 2014 International Association for Dental Research (IADR) Award for Distinguished Research in Prosthodontics and Implants, along with a cash prize. He was recognized for his outstanding research accomplishments in

the field of Prosthodontics. He received the award, which was generously supported by DENTSPLY Implants, at the IADR/AMER General Session and Exhibition in Capetown South Africa.



Dr. Jonathan H. Do, Lecturer in the Section of Periodontics received the Dr. D. Walter Cohen Teaching Award from the American Academy of Periodontology (AAP) Foundation. The \$10,000 award is intended to assist third-year periodontal residents in launching their careers as educators.

Dr. Do received his DDS in 2009, his AEGD certificate in 2010 and his periodontics certificate in 2013, all from UCLA. He was recently appointed a full-time lecturer position. He was also one of the three finalists for yet another AAP Foundation award – the Dr. and Mrs. Gerald Kramer Scholar Award for Excellence.



Dr. Francesco Chiappelli, Professor in the Section of Oral Biology & Special Assistant to the Vice Chancellor for Graduate Education was given a honorary doctorate degree in Endodontics from the Center for Research and Dental Studies IPSEMG for his work on the development and establishment of the field of evidence-based endodontics.

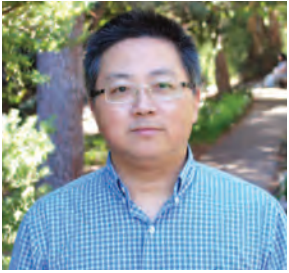
In 2012, Dr. Chiappelli was also internationally recognized as a Fulbright Specialist for his work in comparative effectiveness and evidence-based decision-making in dentistry.



Dr. Alan L. Felsenfeld, Professor of Clinical Dentistry in the Section of Oral and Maxillofacial Surgery received a recognition award for being a top reviewer for Dentoalveolar Surgery in the *Journal of Oral and Maxillofacial Surgery* out of a pool of nearly 400 reviewers in 2013. This

was the second year he received the top reviewer award. Additionally, he received a “Certificate of Excellence in Reviewing” for his work in 2013. Dr. Felsenfeld has been a reviewer for the journal for approximately 11 years.

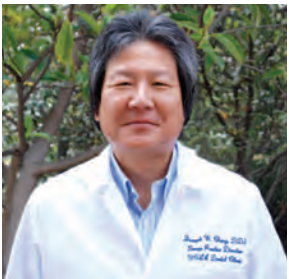
Faculty HONORS



Dr. Shen Hu, Associate Professor and MS Program Advisor in the Division of Oral Biology and Medicine was asked to serve as Associated Editor of the Journal of Integrated Omics and Senior Editorial Member for *American Journal of Stem Cells*. Dr. Hu has authored and co-authored more than 70

research articles and book chapters. He has been an editorial member or regular reviewer for multiple other scientific journals.

Recognizing RETIREMENTS



Dr. Joseph Chang '75, Group Practice Director in the Section of Restorative Dentistry, retired after more than 10 cumulative years of service at the School of Dentistry. He received his DDS from UCLA with the Class of 1975 and went on to be one of the first residents in the General Practice and Hospital Dentistry Program with an emphasis on dental anesthesiology. After completing his residency training, he started a private practice in

general dentistry in Rancho Palos Verdes and maintained this practice until 2008. For roughly five years, he also served as the Director of the same residency program he trained in, while also maintaining his private practice. From 2008 until his retirement he held the position of a Group Practice Director.



Dr. Gerald Longhurst, Health Sciences Clinical Professor in the Section of Endodontics retired after teaching at the School of Dentistry for over 10 years. He first joined the School of Dentistry as faculty in Oral Radiology, during which time he also served as Chairman of the Section of Oral Radiology. He then went onto run a successful private practice in Westlake Village for nearly 30 years. He came back to UCLA

as the interim Chairman in the Section of Endodontics. His passion for teaching was well recognized and every year since 2005, he received a teaching award from the graduating DDS class. He earned a DDS and a Master of Science degree in Oral Radiology and Pathology from the University Toronto Faculty of Dentistry. He then went onto to complete his Endodontics certificate at the University of Pennsylvania.



Dr. Sue Spackman, Lecturer in the Section of Restorative Dentistry retired after teaching at the School of Dentistry for 20 years. From 2011 until her departure, she was an Assistant Researcher in the Section of Oral Medicine & Orofacial Pain. She received her DDS degree from UCLA, a certificate in Geriatric Dentistry Medicine from the David Geffen School of Medicine at UCLA and concurrently a certificate in Advanced Dentistry

for the Disabled from the University of Washington. She also received a certificate in Medical Education Fellowship from the UCLA School of Medicine. Along with Dr. Janet Bauer, Sue was heavily involved in the Geriatric Curriculum at the dental school and was working with other practitioners in the Schools of Medicine and Nursing, in a Geriatric Interdisciplinary Program.



Dr. Jon Standlee, *Recalled Clinical Professor in the Section of Restorative Dentistry* retired after 48 years of service at the School of Dentistry. Dr. Standlee was initially hired as a part-time faculty member in the Department of Operative Dentistry, retired at the end of 1992, and shortly afterwards became a recalled professor. He contributed to the School's educational program with lectures, preclinical and clinical assignments in the Sections of Endodontics, Fixed Prosthodontics, Biomaterials,

Restorative Dentistry, and the now dissolved Sections of Biomechanics and Operative Dentistry.

He graduated from dental school at the University of Southern California. He contributed to more than 50 publications of original research and books in the field of biomechanics in clinical dentistry. Since 1968, Dr. Standlee concurrently maintained a private practice in Santa Barbara.



Dr. Kenneth Trabert, *Health Sciences Clinical Professor in the Section of Endodontics* retired after teaching at the School of Dentistry for over four decades. During his tenure at UCLA, Dr. Trabert made notable contributions to the Endodontic teaching programs, including the introduction of new technologies such as rotary instrumentations, apex locators, and operating microscopes. His expertise and vast experience

in patient management during treatment planning conferences have left a significant impact on the endodontists he has taught. He graduated from the Loyola Dental School in Chicago, completed his endodontics certificate from the dental school at the University of Southern California (USC) as well as a Master's Degree in Education, also from USC.



Dr. Janet Bauer, *Professor in the Section of Restorative Dentistry*, announced her retirement in January 2013 after serving the school for over 35 years in evidence-based research and practice, and restorative and geriatric dentistry.

Year in Staff **PERSONNEL**

As with any business, it is the people who are at the core of a successful operation. This is true of the UCLA School of Dentistry whose staff members contribute substantially to the success of the school's numerous clinical operations, diverse academic activities, and innovative research enterprises.

In 2013-2014 fiscal year, the School of Dentistry continued to provide a secure and stable work environment for its nearly 300 staff members due to the school's impressively solid and stable financial status and the ongoing revenue surplus generated under the leadership of the Dean.

Our annual holiday breakfast was held on Friday, December 6th this past year. In acknowledgement and appreciation of the hard work of our staff members, we honored Veronica Rios, the school's Finance Office Supervisor, as the Outstanding Supervisor

of the Year. Among her many attributes, Veronica's institutional knowledge and years of experience have proven invaluable to the school's financial operations. On the Outstanding Staff Member side, we were compelled to present two awards this year given the number of deserving employees at the school. Rather appropriately, the awards went to staff members who work in the HR and personnel arena – Pat Rowley, one of our Human Resources Specialists in the Staff HR Office, and Cindy Kogure, one of our Academic Personnel Specialists in the Academic Personnel Office. As the participants at the holiday party roundly acknowledged with their enthusiastic applause, both Pat and Cindy are highly valued and indispensable resources for the staff and faculty personnel at the school.

The holiday breakfast also marked milestones in years of service for the following individuals for their dedicated and reliable service to School of Dentistry and UCLA:

Recognizing Years of Service

Susan Gerski, 45 years
New Patient Services

Rebecca Lopez-Piraino, 30 years
Children's Dental Center

Sandi Ferrer, 30 years
Periodontics & Implant Surgery Clinic

Victoria Ibarra-Sandoval, 30 years
Division of Advanced Prosthodontics

Evelyn Kelly, 25 years
Business and Clinical Services

Harvey Nakashima, 25 years
Faculty Group Dental Practice

Sylvia Swartz, 20 years
Orofacial Pain & Dental Sleep Medicine Clinic

Lorraine Poster, 20 years
Business and Clinical Services

Last but far from least, the School of Dentistry is once again extremely grateful for the generosity of Mr. VJ Lyons of Eurodent who donated nearly \$3,600 worth of raffle gifts for the students and staff.

The School of Dentistry would like to thank its staff members for their commitment and support to another successful year in the school's academic, clinical, and research operations.

Vina Chin, JD
Assistant Dean, Administration & External Relations

Staff Personnel ACTIONS

Actions that took place between July 1, 2013 and June 30, 2014

New Hires to Campus

Guillermo Castillo, Facilities Administrator

Stephanie Cuellar, PPID Coordinator

Mariam Gandy, Dental Assistant

Miriam Gumes-Aragon, Staff Research Associate

Johanna Lozano, Administrative Assistant

Korey Mather, Clinic Software Coordinator

Barbara Nichols, MSO-Supervisor

Linda Silva, Clinic Assistant

Elizabeth Tong, Administrative Assistant

Maribel Uribe, Information Officer and Receptionist

Veronica Villasenor, ACT Program Coordinator

Unit

Facilities Planning Office

Student Affairs & Outreach

Venice Dental Center

Research Laboratory Support

Diagnostic and Surgical Sciences

General Clinic

Oral and Maxillofacial Surgery

Implants

Oral and Maxillofacial Pathology

Student Affairs & Outreach

Venice Dental Center

Transfer From Another Department

Andrew Alexan, Assistant Dean, Finance & CFO

Unit

Dean's Suite

Promotions

Kathy Kim, Clinic Administrative Assistant

Unit

Oral and Maxillofacial Radiology

Retirements

Caroline Casillas

Unit

General Clinic



Staff HONORS



From left to right: Pat Rowley, Veronica Rios, and Cindy Kogure proudly display their awards in the front of the dental school's breezeway.

Opposite page, from left to right: Harvey Nakashima, Lorraine Poster, Susan Gerski, Victoria Ibarra-Sandoval, Evelyn Kelly, and Rebecca Lopez-Piraino. Not Shown: Sandi Ferrer and Sylvia Swartz.

Staff Members of the Year

Cindy Kogure, Academic Personnel Specialist, joined the Office of Academic Personnel in 2010. Cindy's key attribute is taking ownership of her job and has a wide range of responsibilities and functions, including faculty student evaluations, hire forms, payroll for faculty, residents and postdoctoral students, and assisting in faculty dossier voting process. She has been instrumental

in updating the resident database and resident program listings. She has taken the lead on learning and using the new Academic Recruit system implemented by campus and facilitates faculty recruitment notices.

Pat Rowley, Human Relations Specialist, joined the Office of Staff Human Resources in 2010 and has proven herself to be a conscientious, efficient, dedicated, and hardworking professional who is able to meet the myriad of demands and deadlines. Pat, who has had perfect attendance

in her three years of service, always goes the extra mile to help her colleagues and will never turn down a project. The School of Dentistry congratulates Pat on this well-deserved award.

Supervisor of the Year

Veronica Rios, Senior Administrative Analyst, joined the Office of Finance in 2000, transferring to the School of Dentistry from UCLA's Dining Services. Her institutional knowledge has been invaluable and her reliability and dedication has made her an integral part of the School's finance team. Veronica is a friend and valued colleague

for the three staff members she supervises and helps keep the financial operations run smoothly for the dental school. The School of Dentistry is grateful to Veronica for all her hard work.

A Foundation FOR THE FUTURE

In the 2013-2014 fiscal year, the UCLA School of Dentistry successfully navigated through a budget year that saw unfunded cost increases to wages, benefits, and supplies. Additionally, this past fiscal year was the second year of the newly instituted Office of the President Tax which is levied as a percentage of total expenditures. Moreover, state support has been virtually unchanged from 10 years ago.

Instead of pegging our progress to our state funding level, UCLA Dentistry has increased its diversification of fund sources, thereby enabling the dental school to meet these fiscal challenges without sacrificing quality and excellence. Among the School of Dentistry's key growth areas helping to compensate for reduced public funding has been the expansion of programs under the international category. International programs have increased \$5.5 million or 426 percent since the 2008-2009 fiscal year. This is mostly due to new or expanding advanced clinical training and preceptorship programs.

Extramural support in the form of contracts, grants, gifts, and endowments have also been pivotal in helping to share the School of Dentistry's operational cost burden. Contract and grant awarded dollars have nearly doubled from five years ago and gifts and endowments have increased 58 percent over the same time period.

As we look toward the next few fiscal years, it will be critical to continue following this path of diversification. All revenue components including state funding, tuition, and extramural support will play key roles in meeting the School of Dentistry's needs as we continue our pursuit of excellence across our academic, research, patient care, and public service endeavors.

Andrew Alexan
Assistant Dean, Finance & Chief Financial Officer

Revenue by SOURCE

Fund Source	Fiscal Year 2003-2004	% of Total Revenue	Fiscal Year 2008-2009	% of Total Revenue	Fiscal Year 2013-2014	% of Total Revenue
State Support	\$14,173,533	26.0%	\$13,666,775	20.6%	\$13,601,061	15.5%
Other University and State Support	691,239	1.3%	1,046,666	1.6%	1,295,759	1.5%
Student Fees and Tuition	3,399,664	6.2%	6,717,405	10.1%	9,122,726	10.4%
International Programs	833,955	1.5%	1,292,010	2.0%	6,792,773	7.7%
Resident Funding ¹	3,747,705	6.9%	2,793,410	4.2%	3,339,644	3.8%
Contracts & Grants ²	10,175,931	18.7%	13,882,849	21.0%	26,285,977	29.9%
Gifts and Endowments ³	2,148,981	3.9%	2,448,423	3.7%	3,858,402	4.4%
Clinics, Faculty Practice Groups, and Continuing Education	19,378,759	35.5%	24,353,779	36.8%	23,732,825	27.0%
Total Revenues	\$54,549,766	100.0%	\$66,201,317	100.0%	\$88,029,168	100.0%

¹ Includes GME resident salaries paid from the Ronald Reagan UCLA Medical Center Hospital and Veterans Administration funding also paid through the UCLA Medical Center.

² Contracts & Grants uses awarded dollars from new and continuing grants. This figure does not reflect what was recorded in the General Ledger.

³ Gift and Endowments revenues include new gifts applied to endowment corpus.

Investing in Our *LEGACY*

Just 50 years since its inception, the UCLA School of Dentistry has joined the ranks of the world's best dental schools in an astonishingly short period of time. This is in no small part due to private philanthropy, which supports the dental school's mission for excellence in education, research, patient care, and public service.

During the 2013-2014 fiscal year, the School of Dentistry received gifts and pledges totalling more than \$4 million. The philanthropy from alumni, corporations, foundations, and friends continues to make a very positive impact. Whether it is in the form of volunteering their time, providing expertise, or giving financial contributions, we want to thank our philanthropic leaders and Apollonian Society members for helping to shape the brightest dental minds of this and coming generations.

Most significantly this year, the UCLA Centennial Campaign kicked off with a total fundraising goal of \$35 million for the School of Dentistry, to conclude in 2019. In the first two years of the 7-year campaign, the dental school raised \$8,503,839, which represents approximately 25 percent of the total goal. We want to thank our Centennial Campaign Steering Committee Members who include, **Dr. Naomi Ellison who serves as the Chair, Mr. Jae Min Chang, Dr. Ronald Mito, Dean No-Hee Park, Mr. Ralph Shapiro, Dr. Eric Ting, Mr. Bob Wilson, and Dr. Douglas Yoon.**

This past year, the School of Dentistry also announced the creation of the Discretionary Fund in Hospital Dentistry made possible by gifts from Shirley, Ralph, and Peter Shapiro. These discretionary funds will help address the critical issue of training the next generation of residents and trainees in Hospital Dentistry. Additionally, the funding will help treat and educate our patients and their families in a hospital and/or outpatient setting. Many of the patients at the Hospital Dentistry Clinic have special needs as a result of medical conditions, psychiatric disorders, physical limitations, or extraneous circumstances. Due to the complexity of these cases and the lack of specialists in this area, many private dental clinics decline to take special needs patients. Furthermore, reimbursement rates are less for these cases as more time is required to provide treatment for this population. We feel

honored to be able to make a life changing difference for so many underserved individuals in our community through the Shapiro family's enduring support.

In May, the School of Dentistry launched its 50th Anniversary Celebration at the Alumni Reunion and Awards Luncheon. The centerpiece campaign of this celebration is the establishment of a term-endowed chair, the ninth endowed chair at the dental school, to aid in the recruitment and retention of exceptional faculty members. We are already 78 percent pledged to goal, and invite you to take part in this important campaign to provide a sustainable source of funds that will be used to attract and retain bright rising stars in dental education.

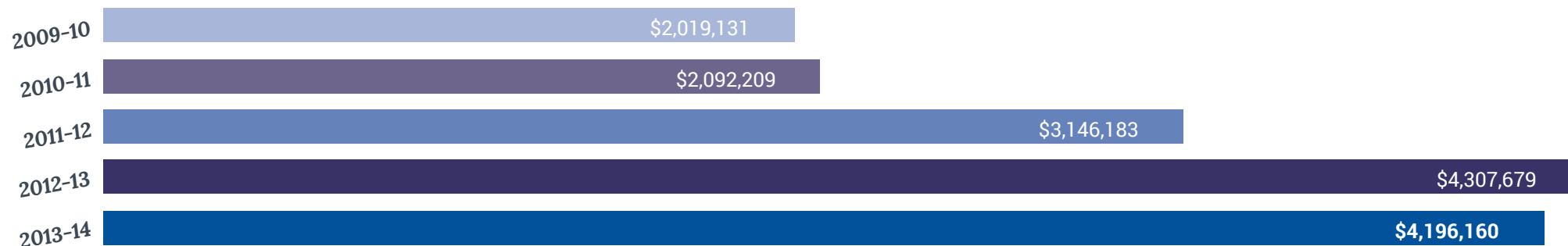
Continuing a tradition of providing high quality care to underserved communities in Los Angeles remained a top priority this year, and a new partnership between the School of Dentistry and Wilshire Bank will broaden access to dental care for adult clients who would otherwise be unable to afford care.

In its tenth year as a membership organization dedicated to enhancing the student experience, the Apollonian Society received donations surpassing \$260,000, (see pages 65-67 for a list of members). We have found that the best way to invest in our future is to invest in our students. Their educational experience ripples outward to benefit the entire community, cultivating better dentists, a more engaged community, and ultimately a stronger reputation for the dental school.

As we celebrate our 50th anniversary, we hope that you will reflect on your dental education and how it has benefitted you. We thank you for your support and ongoing efforts to preserve the tradition of excellence in teaching, research, and service for which the UCLA School of Dentistry is known. By giving back to the dental school you are not only helping the next generation of dental students succeed, but helping to take our school to even greater heights.

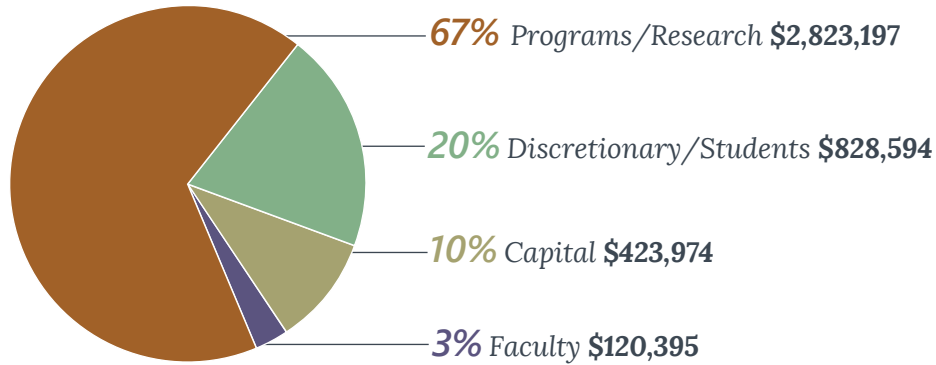
Mallory Gompert
Director of Development

Annual Fundraising *2009-2014*

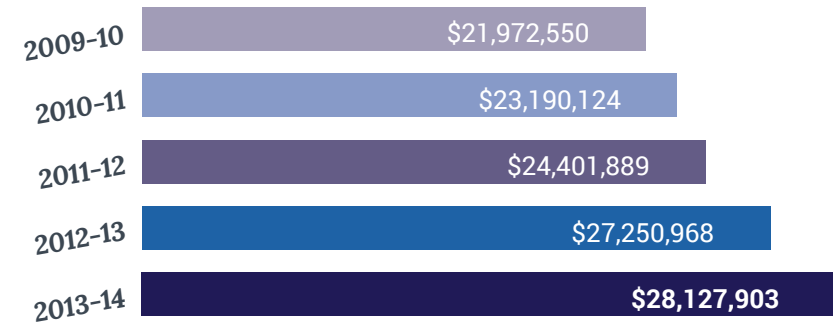


Development by the *NUMBERS*

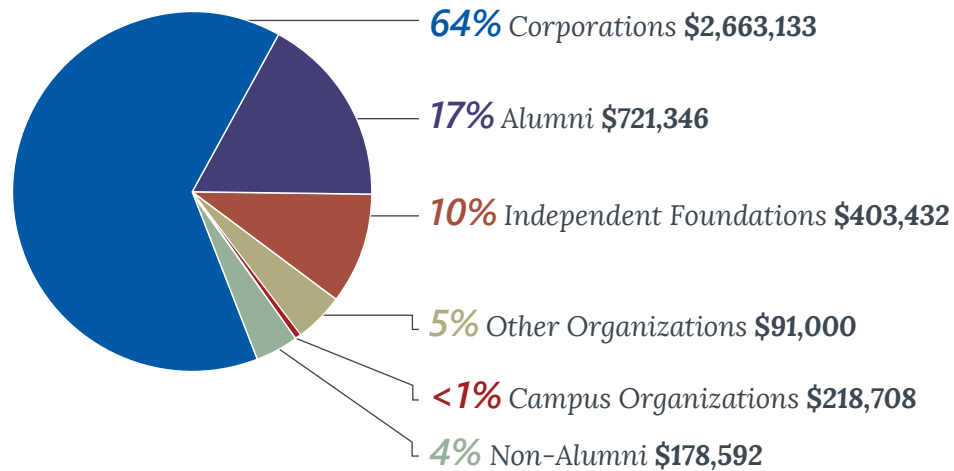
New Donations by *PURPOSE*



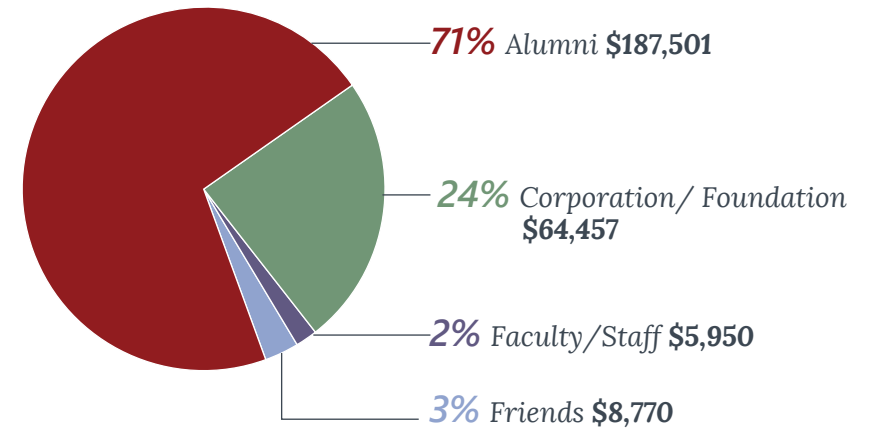
Principal Value of *GIFTS & ENDOWMENT*



New Donations by *SOURCE*



Apollonian Society *DONORS*



Supporting Growth & DEVELOPMENT

Development Highlights between July 1, 2013 and June 30, 2014

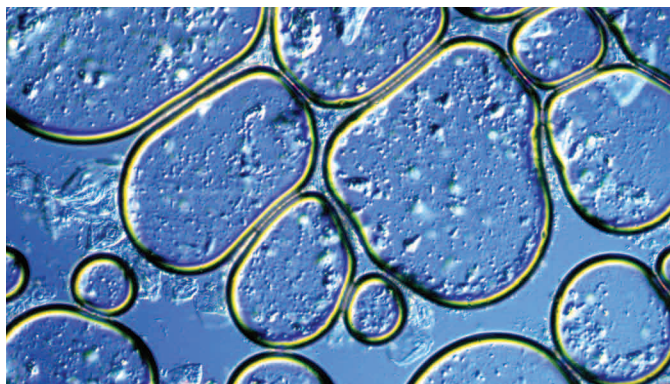
Generous Gift Makes the Impossible Possible



The Society for Laboratory Automation & Screening (SLAS) and Beckman Coulter Life Sciences are supporting research programs based on the development of novel technologies that serve as vehicles for therapeutic molecular compounds at the UCLA School of Dentistry. With a generous donation from Beckman Coulter Life Sciences, the School of Dentistry will be able to develop novel therapeutic agents using state-of-the-art high throughput technologies. The research team, led by Dr. Dean Ho, Professor in the Section of Oral Biology and Co-Director of the Weintraub Center for Reconstructive Biotechnology is looking at ways to treat cancers and other disease by tapping into the power of nanotechnology. We are extremely grateful to be awarded start-up funding for research projects that have the potential to advance the disciplines, technologies, and skills involved in screening and molecular discovery, including support of graduate and undergraduate training in these areas.

Pictured above, from left to right: Dr. Dean Ho and Dr. Graham Threadgill.

Advancing Research Through Philanthropic Support



The Esther B. O’Keeffe Charitable Foundation’s support of research in the emerging field of salivary diagnostics has the potential to allow for prediction and early detection of many oral and systemic diseases and disorders. Promising research on saliva testing indicates that in the near future, your dentist could be testing your saliva to check for life-threatening diseases, including diabetes and cancers of the pancreas, breasts, ovaries, and stomach. Saliva is far easier and cheaper to collect than blood and it does not expose health care professionals to blood-borne diseases. Further, saliva is readily accessible via a noninvasive method, which would dramatically reduce the anxiety and discomfort associated with blood tests. In addition, saliva does not clot, thus lessening the manipulations required for diagnostic procedures.

This funding is pushing research advancements made in the field of salivary diagnostics, allowing for the role of the dental practitioner into primary health care and point-of-care testing. Thank you to The Esther B. O’Keeffe Charitable Foundation for their support of the School of Dentistry’s mission of improving the oral and systemic health of Los Angeles, the nation and the world.

Celebrating UCLA’s Centennial Anniversary



UCLA kicked off the \$4.2 billion Centennial Campaign for UCLA in the 2013-14 fiscal year. This campaign is the largest fundraising effort ever undertaken by a public university.

To celebrate the launch of The Centennial Campaign for UCLA, the university produced a spectacular 3-D light and sound show called “Reflections and Projections” that was projected onto iconic Royce Hall. This captivating presentation honored both the past and future of UCLA, and reflects the optimistic spirit of a university dedicated to changing the world. The campaign celebrates a century of growth and achievement as a top-tier university and seeks to secure the entire institution’s future as a center for higher education where innovative teaching, groundbreaking research, and dedicated service advance the public good.

Since the beginning of the campaign’s private phase in July 2012, over \$1.3 billion has been raised in cash and pledges, nearly \$9 million of that from gifts and pledges to the UCLA School of Dentistry.

Thanks to Dr. Tom Rauth & Welcome to Dr. Susan Fredericks



The Apollonian Society welcomed a new leader in the 2013-2014 fiscal year. After nearly a decade of service, Dr. Thomas Rauth (pictured at left), UCLA DDS Class of 1973, stepped down as the Chair of the membership-based society, which is dedicated to enhancing the student experience and

UCLA's reputation for excellence. Taking his place as the new Apollonian Society Chair is Dr. Susan Fredericks, UCLA DDS Class of 1981. Susan is a founding member of the Apollonian Society, a member of the School of Dentistry's Board of Counselors, and a volunteer faculty member in the Section of Restorative Dentistry.

Dr. Rauth is one of the School's most valued alumni and the entire community is grateful for his dedication, loyalty, and friendship. Under his leadership, the Apollonian Society contributed over \$2 million to enhance the student experience and the reputation for excellence of the UCLA School of Dentistry.

The Apollonian Society is lucky to have such dedicated and energetic leaders. With the help of Co-Chair, Dr. Ronald Mito, Dr. Fredericks (pictured at right) will continue the legacy of excellence and passion for raising funds to enrich the dental student experience.



Alumni & Friends Endowed Chair Campaign



To commemorate UCLA School of Dentistry's 50th Anniversary Celebration, a landmark fundraising campaign was launched to establish the Alumni and Friends Endowed Chair. Endowed chairs are powerful recruitment tools to help attract and retain the best and brightest faculty members in the field. Showing strong momentum throughout the fiscal year, the campaign was over 78 percent pledged to goal as of the end of the 2013-2014 fiscal year. With the support of our alumni, Board of Counselors, corporate partners and friends, the 50th Anniversary Celebration year will be one to remember at the School of Dentistry.

Advancing Orthodontics to the Next Level



Over the past several decades, the UCLA Orthodontics Postgraduate Training Program has grown into one of the most academically lauded and clinically advanced residencies in the country. To ensure that this legacy continues, the Section of Orthodontics developed the Clinic Innovation Unit, which will offer residents, international preceptors, pre-doctoral students, faculty, and staff the opportunity to work with the most sophisticated and efficient tools available in the field of orthodontics. Equipped with the NewTom 5G Cone-beam CT, 3D intraoral scanners, 3D model scanners, digital modeling software, 3D printers and 3D photography, the unit will greatly contribute to the continued success of the program.

The Clinic Innovation Unit Campaign Fundraising Committee Members included Drs. Thomas Bales, Krisena Fell Borenstein, Aaron Molen, Jason Pair, and Robert Sheffield. All members are UCLA alumni and loyal donors who share a demonstrated commitment to improving the Section of Orthodontics through investing in UCLA. We thank them and all the other donors, which resulted in approximately \$425,000 raised in cash and pledges for the Clinic Innovation Unit.

Serving the Community Through Patient Care Subsidies



For the second year in a row, The Schutz-Engel Trust renewed their funding to support a patient care subsidy fund at the Wilson-Jennings-Bloomfield UCLA Venice Dental Center (VDC). Specifically, the funds are being used to provide oral healthcare services at the VDC to adult patients from Upward Bound House (UBH), an independent non-profit institution that operates residential facilities for homeless individuals in Santa Monica and Culver City.

While most of the adults seen at UCLA will now have Denti-Cal coverage through the State of California, there are several procedures that will remain non-covered benefits. These include those procedures that are not considered preventative care, restorative care (mostly fillings) and full dentures. Further, despite the recent restoration of Adult Denti-Cal funding since its suspension in 2009, the Legislature's 2010 decision to reduce all Medi-Cal reimbursements by 10 percent makes it cost-prohibitive for the School of Dentistry to serve these patients most in need of non-covered benefits.

With the continued and renewed support of The Schutz-Engel Trust, the VDC has been able to provide dental care to UBH patients who would otherwise be unable to afford care and advanced treatment. Concurrently, the UCLA dental students, residents, and faculty providing the treatment can see and appreciate the value that dental care can bring to the homeless.

Creating a Worthwhile Partnership



UCLA School of Dentistry and Wilshire Bank came together at the beginning of the 2013-2014 fiscal year to announce a 5-year community outreach partnership to reshape patient care and dentistry education for bank customers and residents of the Los Angeles metropolitan area. The bank, which serves multi-ethnic small and mid-sized business communities, pledged \$100,000 over five years to the dental school to provide free dental care to the community.

The partnership will allow the dental school, with help from the bank, to hold a screening at a local Wilshire Bank branch followed by a treatment day at the UCLA Dental Clinics. The School also contributed \$20,000 per year for a total of \$100,000 in in-kind donations including faculty time and expertise, and additional supplies and staff support in the School clinics.

The funding will deliver much-needed dental care to people who are in dire need of these basic services. Thank you to Wilshire Bank for their support of the School of Dentistry's mission of improving the oral and systemic health of the community.

Top photo, left to right: Drs. Paulo Camargo, Mo Kang, Tara Aghaloo, Ronald Mito, Ms. Mallory Gompert, Dean No-Hee Park, President of Wilshire Bank, Jae Whan Yoo, and Elaine Jeon.

Board of Counselors 2013-2014

Dr. Naomi L. Ellison '81
Chair

Dr. Russell I. Webb '78
Vice Chair

Dr. Ralph Buoncristiani
Mr. Jae Min Chang
Dr. Susan C. Fredericks '81
Dr. David Y. Lee, MD
Dr. Oariona Lowe '84

Mr. Harold M. Matheson
Dr. Elizabeth McNabb '75
Professor Jun Miyata
Dr. Steven Okamoto '84
Dr. Joan Otomo-Corgel '76
Dr. Howard Park
Dr. Margaret C. Pan Quon '68
Dr. Thomas J. Rauth '73
Dr. Gerald P. Roodzant '79
Dr. Elliot P. Schlang '74

Dr. Byoung I. Suh
Ms. Linda Tarrson
Mr. Don Waters
Mr. Robert S. Wilson
Dr. Felix C. Yip, MD
Dr. Douglas Yoon '83

BUILDING Ties with Our Alumni & Friends

Building a strong connection to our alumni has never been more important.

The coming fiscal year, 2014-2015, marks the UCLA School of Dentistry's 50th Anniversary. From the initial planning years in the early 1960s, through the graduation of the first class in 1968, to the attainment of its status as one of the leading dental institutions in oral and health research, the School of Dentistry has prospered because of the vision of its leaders, tireless devotion of its faculty, lecturers and staff, loyalty from its alumni, and exuberance and excellence of its students, residents, and trainees. To commemorate this milestone, the School of Dentistry kicked off a yearlong series of events and research symposiums at the annual Alumni Day at the CDA event this past May in Anaheim.

The highlight of the day was the recognition of the Co-Alumnus of the Year, Drs. Douglas Yoon and Adam Chen, and the Co-Honorary Alumnus of the Year, Shirley and Ralph Shapiro, as well as the reunion classes 1964, 1969, 1974, 1979, 1984, 1989, 1994, 1999, 2004, and 2009.

In June, 106 newly minted DDS graduates and 51 advanced training certificate holders were welcomed to the vast network of UCLA Dentistry alumni. Our hope is that these new graduates stay connected with their alma mater and carry on the legacy of excellence in their professional lives.

As we enter our 50th Anniversary milestone year, we welcome all our alumni and supporters to join us in the festivities and celebrate UCLA Dentistry. Please visit www.dentistry.ucla.edu/fifty for a full schedule of events.

David Altman, UCLA DDS '78
Director of Alumni Affairs



Left to right: Drs. Douglas Yoon and Adam Chen with Dean No-Hee Park and Mrs. Shirley and Mr. Ralph Shapiro after they received their awards at the luncheon.

Co-Honorary Alumni of the Year

Mrs. Shirley and Mr. Ralph Shapiro were named the 2014 Co-Honorary Alumni of the Year at the annual Alumni Day Luncheon. The couple, who both graduated from UCLA, have generously supported UCLA School of Dentistry for the past 10 years. The long-time donors established an Endowed Discretionary Scholarship, a fund the Dean has designated to support student scholarships, an endowed fund in Hospital Dentistry, and the No-Hee Park Endowed Chair at the School of Dentistry.

Their history of giving back extends far beyond the dental school. The Shapiros have a total of eight endowed chairs at UCLA; have contributed to 18 different schools/units and have been philanthropic leaders at UCLA for over 45 years. In recognition of their enduring commitment to UCLA, the Shirley and Ralph Shapiro Fountain, near Royce Hall, was named in their honor.

Other endowments and gifts include the Shapiro Endowed Directorship at the Fowler Museum, as well as numerous endowments and fellowships, specifically in the arts and library sciences. The Shapiros' generosity to the UCLA community has touched individuals at every level, including deans, faculty, and students.

Co-Alumni of the Year

Drs. Adam Chen and Douglas Yoon were named the 2014 Co-Alumni of the Year at the annual Alumni Day Luncheon. Dr. Yoon, UCLA DDS Class of 1983, started his career as a senior scientist at Logicon/RDA. His research areas included digital signal analysis, pattern recognition, and process automation. He left Logicon to join the UCLA School of Dentistry as a part-time lecturer in the Section of Oral and Maxillofacial Radiology.

In 2000, he and Dr. Adam Chen started a company that would become Cyber Medical Imaging, Inc. and goes by XDR Radiology. He has served at Cyber Medical Imaging as President and Chief Technology Officer from its inception to the present day.

Dr. Chen, UCLA DDS Class of 1983, has worked in private practice for the past 30 years performing general dentistry. He is the co-founder of Cyber Medical Imaging, Inc. with Dr. Yoon. He helped design the XDR graphical user interface and, along with Dr. Yoon, has published a number of patents in the field of dental digital imaging. He still treats patients two days a week and has served at Cyber Medical Imaging, Inc. as Vice President and Director of Clinical Operations from its inception to the present day.

The classmates and business partners have been long-time supporters of the School of Dentistry and have made their mark on several fundraising campaigns, including the Dr. Stuart White Lectureship Series, the Alumni and Friends Endowed Chair Campaign, and the Apollonian Society. The School of Dentistry is grateful for their involvement and support.

Alumni *ACHIEVEMENTS*

Recognizing Dr. Gary Parker '77 with the UCLA Medal

Addressing a packed Royce Hall, alumnus Dr. Gary Parker, UCLA DDS Class of 1977, gave the keynote speech at the 2014 Commencement Ceremony. Before taking the podium, he was presented with the coveted UCLA Medal – the university’s highest honor – from UCLA Chancellor Gene Block. He is the first graduate of the School of Dentistry to receive the medal and it was for his career of selfless dedication helping those with congenital deformities that he was chosen.

Following the medal presentation, Dr. Parker, who was also the 2012 School of Dentistry Alumnus of the Year, delivered an important message to the 2014 graduating class. He encouraged them to pursue a life of service by using the skills and expertise they gained while in dental school.

During his address, the three-time UCLA alumnus recalled his time as a UCLA dental student, as a resident in the hospital dentistry program, followed by the oral and maxillofacial surgery program. Following nearly 10 years of dental training at UCLA, he went on to gain more surgical experience in the British National Health Service in the North Wales’ oral and maxillofacial surgical unit. The opportunity to do a six-month volunteer mission with Mercy Ships, a not-for-profit organization that operates a fleet of hospital ships bringing medical and dental services to impoverished countries, came up, and Dr. Parker decided that it was something he wanted to pursue.

That short volunteer stint turned into a 27-year career with Mercy Ships. He currently serves as the Chief Medical Officer of Africa Mercy, the organization’s largest charity ship. He began as a ship surgeon and over the past two decades rose to his current position. He is credited with starting the organization’s oral and maxillofacial surgery program.

Since 1986, Dr. Parker has performed life-changing surgery on hundreds of children and adults in more than 15 countries. Most of his patients suffer from congenital deformities like cleft lip and cleft palate. Other medical procedures he performs include removal of tumors, reconstruction after destructive infections and the repair of burn damages.

The ship is more than Dr. Parker’s home and hospital. In 1987, while aboard the ship, he met his wife, Susan, and the couple’s two children have grown up on board. Currently, their daughter, Carys, attends college in the United States and their high school-aged son, Wesley, lives with them on board the Africa Mercy. Despite the sacrifices that the family has had to make, they see life aboard ship as an incredibly enriching lifestyle.

The School of Dentistry is humbled by the celebrated career that Dr. Parker has built. As one of our most valued alumni, the UCLA Medal and the designation as the 2014 Commencement Speaker are well-deserved.



The Parker Family in front of Royce Hall after the Commencement Ceremony, from left to right, Wesley, Susan, Gary and Carys.

“I believe we reach significance when we define our personal success as adding value to the lives of others.”

- Dr. Parker to the newly minted 2014 graduates

Full-Time Academic *PERSONNEL* (July 1, 2013 to June 30, 2014)

Division of Advanced Prosthodontics

Benjamin Wu, Chair & Eric Sung, Vice Chair

Section of Biomaterials Science

Min Lee, Associate Professor

Benjamin Wu, Professor (*Chair*)

Section of Hospital Dentistry

Evelyn Chung, Health Sciences Associate Clinical Professor

Eric Sung, Professor of Clinical Dentistry (*Chair*)

Section of Prosthodontics

Ting-Ling Chang, Health Sciences Clinical Professor (*Chair*)

Min Chung, Health Sciences Assistant Clinical Professor

(*Effective through April 2014*)

Neal Garrett, Professor

James Kelly, Health Sciences Assistant Clinical Professor

Ronald Mito, Professor of Clinical Dentistry

Ichiro Nishimura, Professor

Takahiro Ogawa, Professor

Sil Park, Health Sciences Assistant Clinical Professor

Kumar Shah, Health Sciences Associate Clinical Professor

Division of Constitutive & Regenerative Sciences

Mo Kang, Chair & Richard Stevenson, Vice Chair

Section of Endodontics

Wei Chen, Assistant Researcher

Nadia Chugal, Health Sciences Clinical Professor

Mo Kang, Professor (*Chair*)

Shane White, Professor

Section of Periodontics

Paulo Camargo, Professor (*Chair*)

Jonathan H. Do, Lecturer

Perry Klokkevold, Associate Professor

Flavia Pirih, Assistant Professor

Section of Restorative Dentistry

James Choi, Academic Coordinator

Edmond Hewlett, Professor

Reuben Kim, Associate Professor

Edward McLaren, Health Sciences Clinical Professor

William Morgan, Health Sciences Clinical Professor

Joan Pi-Anfruns, Health Sciences Assistant Clinical Professor

Todd Schoenbaum, Health Sciences Assistant Clinical Professor

Richard Stevenson, Professor of Clinical Dentistry (*Chair*)

Yair Whiteman, Health Sciences Assistant Clinical Professor

Division of Diagnostic & Surgical Sciences

Earl Freymiller, Chair

No-Hee Park, Dean & Distinguished Professor

Section of Anesthesiology

Steven Ganzberg, Health Sciences Clinical Professor

(*Effective through December 2013*)

Christine Quinn, Health Sciences Clinical Professor (*Chair*)

Section of Oral & Maxillofacial Pathology

Russell Christensen, Associate Professor (*Chair*)

Yi-Ling Lin, Assistant Professor

Section of Oral & Maxillofacial Radiology

Sanjay Mallya, Assistant Professor

Sotirios Tetradis, Professor (*Chair*)

Section of Oral & Maxillofacial Surgery

Tara Aghaloo, Associate Professor

Alan Felsenfeld, Professor of Clinical Dentistry

Earl Freymiller, Professor of Clinical Dentistry (*Chair*)

Vivek Shetty, Professor

Joan Pi Anfruns, Health Sciences Assistant Clinical Professor

Division of Growth & Development

Kang Ting, Chair

Section of Orthodontics

Christine Hong, Assistant Professor

Jie Jiang, Assistant Project Scientist

Jin Hee Kwak, Visiting Assistant Professor

Kiho Lee, Health Sciences Assistant Clinical Professor

Won Moon, Health Sciences Associate Clinical Professor

Kang Ting, Professor (*Chair*)

Xinli Zhang, Adjunct Associate Professor

Zhong Zheng, Adjunct Assistant Professor

Section of Pediatric Dentistry

Donna Henley-Jackson, Assistant Professor (*On-leave*)

Clarice Law, Health Sciences Associate Clinical Professor

Chanel McCreedy, Health Sciences Assistant Clinical Professor

Francisco Ramos-Gomez, Professor

Daniela Silva, Health Sciences Associate Clinical Professor (*Chair*)

Division of Oral Biology & Medicine

Cun-Yu Wang, Chair & Fariba Younai, Vice Chair

Section of Oral Biology

Francesco Chiappelli, Professor

Robert Chiu, Professor

Xuesong He, Assistant Adjunct Professor

Dean Ho, Professor

Shen Hu, Associate Professor

Anahid Jewett, Professor

Yong Kim, Associate Adjunct Professor

Feng Li, Assistant Researcher

Jiong Li, Adjunct Assistant Professor

Renate Lux, Associate Professor-in-Residence

Kenneth Miyasaki, Associate Professor

Wenyuan Shi, Professor (*Chair*)

Ki-Hyuk Shin, Associate Adjunct Professor

Igor Spigelman, Professor

Eric Tang, Assistant Researcher

Cun Yu Wang, Professor

Fang Wei, Assistant Adjunct Professor

David Wong, Professor

Yongxin Yu, Project Scientist

Section of Oral Medicine & Orofacial Pain

Carol Bibb, Health Sciences Clinical Professor

Robert Merrill, Health Sciences Clinical Professor

Diana Messadi, Professor (*Chair*)

Andrew Pullinger, Professor

Craig Woods, Adjunct Professor/Academic Administrator

Fariba Younai, Professor of Clinical Dentistry

Division of Public Health & Community Dentistry

James Crall, Chair

Kathryn Atchison, Professor

Ian Coulter, Professor

James Crall, Professor

Honghu Liu, Professor

Carl Maida, Adjunct Professor

Nancy Reifel, Assistant Professor

Vladimir Spolsky, Associate Professor

Wilson-Jennings-Bloomfield UCLA Venice

Dental Center

Lillian Cheng, Chair

Lillian Cheng, Health Sciences Associate Clinical Professor

Colby Smith, Health Sciences Assistant Clinical Professor

Dentistry

Minh Tran, Academic Administrator

Part-Time & Volunteer Academic *PERSONNEL*

Division of Advanced Prosthodontics

Section of Biomaterials Science

Brian Williams, Lecturer
Robert Wylie, Lecturer

Section of Hospital Dentistry

William Chen, Lecturer
David Ciraulo, Lecturer
Terrie Debord, Lecturer
Tracy Golden, Lecturer
Veronica Greene, Assistant Adjunct Professor
Ken Harada, Lecturer
Brian Huang, Lecturer
Mita Jethwani, Lecturer
Katsumi Kawakami, Assistant Adjunct Professor
Shadrouz Kianouri, Lecturer
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The dental hygiene program at West Los Angeles Community College provides an important collaborative training experience for our dental students and residents, as well as another point of care for our patients in Westwood and Venice. We wish to acknowledge the following lecturers:

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IN MEMORIAM



Dr. Gerald "Jerry" Gelfand, a dedicated faculty member in the Section of Oral and Maxillofacial Surgery (OMS), passed away last October. He began his career at the School of Dentistry in 1979 as a part-time faculty member and through the years served the Section as a member of the OMS Resident Selection Committee and the OMS Appointments and Reappointments Committee.

After receiving a DMD degree from the University of Medicine and Dentistry of New Jersey, Dr. Gelfand went on to pursue OMS residency training at the, now shuttered, Michael Reese Hospital and Medical Center in Chicago, Illinois. Following residency, Jerry served in the U.S. Air Force as a Major and Chief of Oral & Maxillofacial Surgery at George Air Force Base in Victorville, California. Following his service in the Air Force, he started a private practice in OMS in Woodland Hills.

Jerry dedicated his life to the field of dentistry and OMS. Among his many accolades, he was President of the Southern California Society of Oral and Maxillofacial Surgeons, President of the Western Society of Oral and Maxillofacial Surgeons, President of the California Association of Oral and Maxillofacial Surgeons, and was also appointed a Fellow of the American and International Colleges of Dentists and the Pierre Fauchard Academy.

As the longest-standing volunteer faculty member in the Section of Oral and Maxillofacial Surgery, Jerry's dedication to dentistry, his specialty, and to our school made a significant impact. With his passing, the School of Dentistry has lost a true friend and he will be greatly missed.

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(AEGD) Adv. Edu. in General Dentistry
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(E) Endodontics

(GP) General Practice
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The Annual Report is published for the alumni and friends of the UCLA School of Dentistry. Please send questions and/or comments to Dean No-Hee Park at nhpark@dentistry.ucla.edu.

Celebrating Our Past, Building Our *FUTURE*

The Centennial Campaign for UCLA is bigger than a retrospective of our past 100 years. It is a self-imposed challenge. We live in an ever-changing environment and must become more adaptive, more responsive, and even more integral in solving the world's most pressing oral health issues.

UCLA School of Dentistry is already among the finest dental schools in the world, with an international reputation for excellence in education, research, patient care, and public service. Philanthropic support is absolutely crucial if we are to retain our role in shaping the brightest dental minds of this and coming generations. Join us today by investing in the UCLA School of Dentistry to support future leaders and champion oral health. Over the next five years, through to 2019, the School of Dentistry will channel its fundraising efforts to the following areas:

Student Scholarships

Endowed scholarships and academic prizes attract and reward the most qualified, dedicated, and promising students. Financial support empowers these students to develop their talents through rigorous academics and enriching experiences.

\$10 Million

Research and Scholarly Activities

Developing relevant academic programs and maintaining top-flight research centers that focus on clinical innovations to improve oral and systemic health are core goals. Our research centers enhance scholarship and give students the training they need to become leaders in the field.

\$10 Million

Community Outreach

We strive to provide affordable and accessible patient care to the community through health fairs and other outreach events. Establishing a pipeline for students from underrepresented communities to enter professions in the health sciences expands pathways to higher education.

\$5 Million

Discretionary Fund and Dean's Priority Campaigns

The Apollonian Society enhances the student experience and the School of Dentistry's reputation for excellence. With these unrestricted funds, we can uphold exceptionally high standards in all areas of our school.

\$10 Million

Goal: *\$35 Million*

Naming Opportunities

Transformative gifts to UCLA School of Dentistry are recognized by the official naming of rooms, buildings, scholarships, funds, and endowed chairs. Gifts may be made with pledge payments over a five year period. If you are interested in learning more about the different naming opportunities that are available, please contact Ms. Mallory Gompert, Director of Development at (310) 206-6079 or mgompert@support.ucla.edu.



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