A MOST WELCOME RETURN
DEAN’S MESSAGE

Welcome to our Annual Report for the fiscal year 2020-2021. I am excited to share this report with you and I am also proud of what our community has accomplished during this time. The theme of this report is *A Most Welcome Return* and indeed it has been a big relief and very inspiring to see our clinics and pre-clinics buzzing with energy again.

Together, we overcame many obstacles this past year while continuing to teach our dedicated students, conduct vital research, and serve the people of Los Angeles County and beyond.

With greater access to COVID-19 vaccines and strict safety protocols guided by UCLA, the School of Dentistry, and the CDC, we were able to ramp up our clinical operations once again. Please see our sections on Patient Care and Community-Based Clinical Education for the remarkable number of people we were able to treat during this difficult time.

I want to thank our students, trainees, faculty, staff, alumni, donors, and friends for their ongoing support. I could not fulfill my duties without the dedication and support of our entire community. *Welcome back, everyone.*

Sincerely,

Paul H. Krebsbach, DDS, PhD
Dean and Professor

DEPARTMENT OF DENTAL EDUCATION

**At a Glance:**

**Class of 2025**

<table>
<thead>
<tr>
<th>Females</th>
<th>50</th>
</tr>
</thead>
<tbody>
<tr>
<td>Males</td>
<td>38</td>
</tr>
</tbody>
</table>

3.72 Overall GPA
3.67 Science GPA

**Future Plans:**

*Class of 2021*

105 Graduates

40% Entering Private Practice
60% Pursuing Postgraduate Education

- General Practice Residency/ Adv. Edu. in Gen. Dentistry: 28
- Oral and Maxillofacial Surgery: 10
- Pediatric Dentistry: 10
- Orthodontics: 5
- Periodontics: 4
- Prosthodontics: 3
- Endodontics: 2
- Anesthesiology: 1
- Total: 63

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8. PATIENT CARE
10. COMMUNITY SERVICE
12. DEVELOPMENT

Dear UCLA School of Dentistry Community,

Welcome to our Annual Report for the fiscal year 2020-2021. I am excited to share this report with you and I am also proud of what our community has accomplished during this time. The theme of this report is *A Most Welcome Return* and indeed it has been a big relief and very inspiring to see our clinics and pre-clinics buzzing with energy again.

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Sincerely,

Paul H. Krebsbach, DDS, PhD
Dean and Professor
**FINANCIALS**

### Revenue by Source:

<table>
<thead>
<tr>
<th>Fund Source</th>
<th>Fiscal Year 2020-2021</th>
<th>% of Total Revenue</th>
<th>Fiscal Year 2015-2016</th>
<th>% of Total Revenue</th>
</tr>
</thead>
<tbody>
<tr>
<td>General Funds and Other Appropriations</td>
<td>$17,242,190</td>
<td>21.2%</td>
<td>$15,861,657</td>
<td>19.7%</td>
</tr>
<tr>
<td>DDS Tuition and PPID</td>
<td>$13,493,495</td>
<td>16.6%</td>
<td>$11,644,198</td>
<td>14.5%</td>
</tr>
<tr>
<td>Sales and Service</td>
<td>$24,631,124</td>
<td>30.3%</td>
<td>$27,914,474</td>
<td>34.7%</td>
</tr>
<tr>
<td>Other Student Fees</td>
<td>$725,791</td>
<td>0.9%</td>
<td>$691,653</td>
<td>0.9%</td>
</tr>
<tr>
<td>Contracts &amp; Grants</td>
<td>$21,273,751</td>
<td>26.2%</td>
<td>$18,963,806</td>
<td>23.6%</td>
</tr>
<tr>
<td>Gifts and Endowments</td>
<td>$3,919,346</td>
<td>4.8%</td>
<td>$3,919,346</td>
<td>4.8%</td>
</tr>
</tbody>
</table>

**TOTAL REVENUES** $81,285,697 100.0%

**5-Year and 10-Year Revenue Comparison:**

<table>
<thead>
<tr>
<th>Fund Source</th>
<th>Fiscal Year 2015-2016</th>
<th>% of Total Revenue</th>
<th>Fiscal Year 2010-2011</th>
<th>% of Total Revenue</th>
</tr>
</thead>
<tbody>
<tr>
<td>General Funds and Other Appropriations</td>
<td>$14,501,444</td>
<td>21.6%</td>
<td>$17,242,190</td>
<td>21.2%</td>
</tr>
<tr>
<td>DDS Tuition and PPID</td>
<td>$9,447,910</td>
<td>14.0%</td>
<td>$13,493,495</td>
<td>16.6%</td>
</tr>
<tr>
<td>Sales and Service</td>
<td>$25,761,581</td>
<td>38.3%</td>
<td>$24,631,124</td>
<td>30.3%</td>
</tr>
<tr>
<td>Other Student Fees</td>
<td>$725,791</td>
<td>1.1%</td>
<td>$27,914,474</td>
<td>34.7%</td>
</tr>
<tr>
<td>Contracts &amp; Grants</td>
<td>$14,197,956</td>
<td>21.1%</td>
<td>$18,963,806</td>
<td>23.6%</td>
</tr>
<tr>
<td>Gifts and Endowments</td>
<td>$2,635,271</td>
<td>3.9%</td>
<td>$3,919,346</td>
<td>4.8%</td>
</tr>
</tbody>
</table>

**TOTAL REVENUES** $14,501,444 21.6% $17,242,190 21.2%

To communicate our fiscal year 2020-2021 revenue table, we have adjusted our source categories to be more in-line with financial reporting from main campus. Additionally, we have chosen to remove the “Resident” revenue line item this year as this reflects indirect medical education, GME resident salaries paid from Ronald Reagan UCLA Medical Center (RRUMC), and Veterans Administration resident funding paid through the David Geffen School of Medicine at UCLA.

### Scholarships & Grants

#### Aid from University Sources:

- **Dean’s Scholarship & Dentistry Grant Awards**: $2,183,098
- **UC Regents Scholarship**: $58,500

#### Dental School & University Scholarship Awards:

- **David & Miki Lee Scholarship**: $88,000
- **Bob & Marion Wilson Endowed Scholarship**: $60,000
- **Dr. No-Hee Park Award for Excellence Endowed Scholarship**: $45,000
- **Frida A. Xhonga-Oja Scholarship**: $35,000
- **The Board of Counselors Endowed Scholarship**: $22,500
- **Shapiro Family Endowed Scholarship**: $11,500
- **Quon Family Scholarship**: $13,500
- **Dental Foundation of California Endowed Scholarship**: $12,000
- **Dr. Ronald Mito Award for Professionalism, Leadership, and Service**: $12,000
- **Apollonian Society Scholarship**: $10,000
- **Mason C. Dong, DDS & May H. Dong Endowed Scholarship**: $10,000
- **Shapiro Family Special Patient Care Endowed Scholarship**: $7,500
- **Yip Family Scholarship**: $7,200
- **Dr. Susan Kinder Haake Endowed Scholarship**: $6,000
- **Kathy & Randy Wall Endowed Scholarship**: $6,000
- **Garinia Lowe Endowed Scholarship**: $6,000
- **Yoshi Yamaguchi Scholarship**: $6,000
- **Dorothy Schick Endowed Scholarship**: $5,000
- **Dr. Donell C. Fisher Memorial Scholarship**: $5,000
- **Dr. Howard Y. Chen Endowed Scholarship**: $5,000
- **Li Family Endowed Scholarship**: $5,000
- **Russ & Kathi Webb Family Endowed Scholarship**: $5,000
- **Wyatt Rory Hume Endowed Scholarship**: $5,000
- **Mary Hooley Scholarship**: $3,500
- **Shenwin Rosen Scholarship**: $2,500
- **Naomi Ellison Endowed Scholarship**: $1,500
- **Steven S. Koh Endowed Scholarship**: $1,500

**Subtotal** ($Dental School & University Sources): $3,480,498

#### Aid from Outside Sources:

- **National Health Service Corps**: $468,693
- **US Navy Health Professions Scholarship Program**: $341,502
- **US Veteran Benefits; Post 9/11 GI Bill & Cal Vet Benefits**: $315,344
- **US Air Force Health Professions Scholarship Program**: $172,955
- **US Army Scholarship**: $62,716
- **Wiche**: $54,700
- **Jack Kent Cooke Foundation**: $17,938
- **Naval Health Services Colligate Program (HSCP)**: $12,245
- **Delta Dental Community Care Foundation**: $10,000
- **National Dental Association President’s Gala Scholarship**: $10,000
- **The Gene & Marilyn Nuziard Healthcare Scholarship**: $10,000
- **Hispanic Dental Association Foundation (HDAF) Colligate scholarship**: $4,000
- **Iranian-American Scholarship**: $2,500
- **Oral Health Foundation of the Pierre Fauchard Academy**: $1,000

**Subtotal** (Outside Sources): $4,964,091

**Total Aid**: $4,964,091

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**Dr. Ronald Mito Award for Professionalism, Leadership, and Service Given to Two Outstanding Dental Students**

The 2020-2021 fiscal year marked the five-year anniversary of the Dr. Ronald Mito Award for Professionalism, Leadership, and Service scholarship campaign. This past year, the award was given to two dental students for their excellence in professionalism, active leadership, and dedicated service. The scholarship campaign, which had over 300 donors for endowed student support, honors Dr. Ron Mito’s extraordinary leadership and commitment to UCLA Dentistry during his 40+ years of dedicated service.

UCLA School of Dentistry thanks the Scholarship Campaign Co-Chairs, Dr. Joan Otomo-Corgel and Dr. Thomas Rauth, and all the alumni and friends from UCLA Dentistry who gave to the campaign.
The UCLA School of Dentistry has one of the most robust research programs among all U.S. dental schools. In the 2020 – 2021 fiscal year, the School of Dentistry received over $21.2M in research contracts and grants.

We are ranked #6 for National Institute of Dental and Craniofacial Research Grants to U.S. Academic Institutions.

Grants by Funding Source (other than NIH):

- Business Related/Interest Group: $97,500 (2%)
- Charitable Organizations: $387,733 (6%)
- Higher Education - Subawards & Foreign Institutions: $539,721 (9%)
- UC Campus, Location, or Program: $848,755 (14%)
- Business/For-Profit Entity: $1,692,857 (27%)
- Non-Governmental Organization, State/County/City: $2,619,267 (42%)

$6,185,833 Amount received in FY 2020 – 2021

$15,087,918 Amount received in FY 2020 – 2021

Total National Institutes of Health Grants Received in FY 2020 – 2021

National Institutes of Health Grants by Agency:

- National Institute of Dental and Craniofacial Research: $8,729,058 (58%)
- National Institute on Drug Abuse: $207,194 (1%)
- National Institute of Mental Health: $679,777 (4%)
- U.S. Army Medical Research Acquisition Activity: $1,047,148 (7%)
- National Cancer Institute: $1,692,385 (11%)
- National Center for Advancing Translational Science: $1,798,005 (12%)
- National Institute on Alcohol Abuse and Alcoholism: $384,353 (3%)
- Health Resources and Services Administration: $549,998 (4%)

Total National Institutes of Health Grants Received in FY 2020 – 2021

$15,087,918

We are ranked #6 for National Institute of Dental and Craniofacial Research Grants to U.S. Academic Institutions.
**Unlocking the Mystery Behind Skeletal Aging**

Posted February 10, 2021

Researchers from the UCLA School of Dentistry have identified the role a critical enzyme plays in skeletal aging and bone loss, putting them one step closer to understanding the complex biological mechanisms that lead to osteoporosis, the bone disease that afflicts some 200 million people worldwide.

The findings from their study in mice, published online in the journal *Cell Stem Cell*, could hold an important key to developing more effective treatments for osteoporosis and improving the lives of an aging population, they say.

The UCLA researchers, led by distinguished professor Dr. Cun-Yu Wang, chair of oral biology at the dentistry school, demonstrated that when the epigenetic factor KDM4B is absent from mesenchymal stem cells, these cells are far more likely to differentiate into fat cells than bone cells, resulting in an unhealthy imbalance that exacerbates skeletal aging and leads to brittle bones and fractures over time. The work was supported by grants from the National Institute of Dental and Craniofacial Research, the UCLA Clinical and Translational Science Institute, and the generous support of the Hsieh Family Foundation.

*Image: By identifying the underlying factors leading to bone loss and osteoporosis, UCLA dentist-scientists hope to pave the way to new treatments.*

**Deactivating Cancer Cell Gene Boosts Immunotherapy for Head and Neck Cancers**

Posted March 23, 2021

By targeting an enzyme that plays a key role in head and neck cancer cells, researchers from the UCLA School of Dentistry were able to significantly slow the growth and spread of tumors in mice and enhance the effectiveness of an immunotherapy to which these types of cancers often become resistant.

Their findings, published online in the journal *Molecular Cell*, could help researchers develop more refined approaches to combating highly invasive head and neck squamous cell cancers, which primarily affect the mouth, nose and throat.

Immunotherapy, which is used as a clinical treatment for various cancers, harnesses the body’s natural defenses to combat disease. Yet some cancers, including head and neck squamous cell carcinomas, don’t respond as well to the therapy as others do. The prognosis for these head and neck cancers is poor, with a high five-year mortality rate, and there is an urgent need for effective treatments.

*Image: Immunofluorescence images show the nucleus of a cancer cell with KDM4A (top) and a cancer cell nucleus after KDM4A is removed (bottom), with DNA-protein condensate dots in green.*

**Spectrum Solutions Collaborates with UCLA on Saliva-Based Research for the Early Detection of Lung Cancer**

Posted January 27, 2021

Spectrum Solutions, LLC sponsored a research collaboration with the UCLA School of Dentistry for a study on using saliva in early lung cancer detection and analysis. Spectrum has funded a study that aims to recruit 50 patients with lung cancer and seeks to validate saliva’s tumor-specific ctDNA detection sensitivity and positive agreement against tissue biopsy-based genotyping. Saliva will be collected, preserved, and transported for DNA testing using Spectrum’s Saliva Collection System. The company will further support the development of clinical methods and additional technical innovations.

The study is being led by professor of oral biology, Dr. David Wong, from the UCLA School of Dentistry, the lead U.S. research site for the study.

The research study will compare saliva and plasma samples from NSCLC patients to identify usctDNA molecules in saliva and use special extraction methods to improve overall sensitivity of current liquid biopsy procedures.
After more than three months of only providing emergency dental services because of the pandemic, the UCLA Dental Clinics resumed ambulatory dental care in July 2020. Under strict protocols implemented for the safety of our patients and providers, patient care was successfully resumed and we were mostly back to pre-pandemic patient visit levels by the spring of 2021. The UCLA Dental Clinics did not experience a single cluster of COVID-19 spread since the resumption of regular dental care services. This shows that a collective effort in observing the infection control protocols is effective in preventing disease transmission when providing dental care.

—Dr. Paulo M. Camargo, Professor of Periodontics, Associate Dean of Clinical Affairs

Bien-Air USA, Inc. in-kind donations of equipment to UCLA School of Dentistry’s Westwood Clinic totaled more than $350,000. This generous support allowed Dr. Paulo Camargo and our clinical faculty and staff to continue to provide exceptional training of future oral health care providers and to deliver exceptional patient care.
COMMUNITY-BASED CLINICAL EDUCATION (CBCE)

With a generous $1.5 million donation from the Delta Dental Community Care Foundation, the dental school launched its CBCE program in March 2018. Since its inception through May 7, 2021, our students, pediatric dentistry residents, and endodontic residents have delivered care for 16,617 unique patients in underserved communities.

Although the COVID-19 pandemic slowed a lot of services down, we are happy to report our program continued to find opportunities to grow during a difficult time. UCLA Dentistry’s CBCE program continues to align with the School’s strategic imperatives through our program’s mission to enhance education while increasing access to care for underserved populations through sustainable community service.

12 CBCE Sites in the Following Cities and Growing:

- Brentwood, CA
- Burbank, CA
- Colorado Springs, CO
- Downey, CA
- El Centro, CA
- Lynwood, CA
- Muskegon, MI
- Palm Desert, CA
- Santa Barbara, CA
- South Los Angeles, CA
- Ventura, CA
- Victorville, CA
- Colorado Springs, CO
- Muskegon, MI

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Endodontic services by dental students have been severely affected by the COVID-19 pandemic, yet this class has performed on par with pre-covid classes and even improved the number of endodontic procedures delivered compared to last year. A CBCE rotation with 2nd year endodontic residents began at South Central Family Health Center on January 12, 2021 under the leadership of Dr. Chugal, Dr. Kang, and Dr. Chun, increasing access to a much-needed service. A major statistic to celebrate: 41% of the endodontic services delivered by predoctoral students were completed through the CBCE program at South Central Family Health Center.

This year we have found creative ways to collaborate with CBCE sites to provide services through oral health fairs in collaboration with UCLA HSDA, SCAAPO, and DEO student groups. Drive-thru oral health fairs were held to address oral health needs and provide preventive services in different parts of Los Angeles County while maintaining social distancing guidelines. CBCE piloted an expansion to include rotations with D3 PPID students with an ultimate goal to expand CBCE rotation opportunities for all D3 dental students. UCLA School of Dentistry is grateful to board members Dr. Mitra Mogharabi Ardehali and Dr. Kami Hoss for their generous support of this program.

From recent CBCE students:

“From July 6, 2020 to May 7, 2021, D4 students in the Class of 2021 delivered care to 4,395 unique patients and completed 11,421 procedures at eleven active CBCE sites.

This rotation allowed me to change my perspective and open my scope of practice. The cultural growth and intensive practice acquired during this clinical rotation was an unforgettable experience.

I loved the exposure to a variety of procedures and the CBCE rotation taught me how to think on my feet and work fast while simultaneously striving to deliver quality care.

I liked that I was able to help a diverse population, and I even had the chance to treat a pregnant woman for the first time. Many of the patients had pain and watching them relieved of their pain was extremely rewarding.

If you are interested in being a part of the UCLA CBCE program, please contact Dr. Lisa Nguyen at lnguyen@dentistry.ucla.edu.

Class of 2021 Survey:

- 23% planned on working in a public health clinic after graduation
- 64% reported that the CBCE experience contributed to their decision to work in underserved areas after graduation
- 91% graduates felt CBCE enhanced their education

Alumni: If you are interested in being a part of the UCLA CBCE program, please contact Dr. Lisa Nguyen at lnguyen@dentistry.ucla.edu.
In collaboration with our faculty, staff, alumni, friends, corporations, and foundations, the UCLA School of Dentistry raised over $3.9M to support our mission of excellence in dental education, research, patient care, and community service.

**By Purpose:**

- **Capital**
  - $483,016
  - 12.3%
- **Discretionary/Students**
  - $506,403
  - 13%
- **Program/Research**
  - $3,919,346
  - 74.7%
- **Other**
  - $2,929,927
  - 17.7%

**Amount pledged in FY 2020 – 2021**

**By Source:**

- **Non-Alumni**
  - $387,691
  - 9.9%
- **Foundations**
  - $542,284
  - 13.8%
- **Alumni**
  - $695,295
  - 17.7%
- **Corporations**
  - $2,190,309
  - 55.9%
- **Other Organizations**
  - $103,766
  - 2.7%

The UCLA School of Dentistry wishes to recognize and thank the following individuals, corporations, and foundations whose extraordinary generosity and vision enables us to pursue our mission of excellence in education, research, patient care, and public service.

Gifts to the Apollonian Society fund innovative projects, strengthen morale among students and have collectively contributed over $4.5 million to the School. Restricted gifts and grants are directed at the donor’s request to a specific departmental priority, project, or initiative.

Through their generosity, the donors below have made lasting contributions to the School of Dentistry by supporting student scholarships, endowed chairs, faculty research, patient care initiatives, and academic centers. UCLA Dentistry is deeply thankful for their commitment to our School and these important endeavors.

**Key**

This honor roll lists all philanthropic commitments made to the School between July 1, 2020 and June 30, 2021. We also wish to thank those who have given before and after these dates. Donors’ academic degrees (at the Master’s level and above) are noted as recorded in the UCLA External Affairs database. Donors’ UCLA School of Dentistry degrees (DDS, MS in oral biology, PhD in oral biology, and certificates) are recognized by the inclusion of the class year in which they were conferred.

The Office of Development & Alumni Relations makes every effort to ensure the accuracy of this report. If you note an error or omission, please accept our sincere apologies and notify us by writing to the UCLA School of Dentistry Development Office, 10833 Le Conte Avenue, CHS 53-038, Los Angeles, CA 90095-1668; calling (310) 206-6063, or sending an email to development@dentistry.ucla.edu.

**Certificate Abbreviations:**

- (A) Dental Anesthesiology
- (AEGD) Adv. Edu. in General Dentistry
- (AP) Advanced Prosthodontics
- (E) Endodontics
- (GP) General Practice
- (M) Maxillofacial Prosthetics
- (O) Orthodontics
- (OS) Oral Surgery
- (P) Periodontics
- (PD) Pediatric Dentistry
- (PO) Peds-Orthodontics Combined

**HONOR ROLL OF DONORS 2020-2021**

- **$300,000 and above**
  - Bien-Air USA, Inc.
  - Fulgent Genetics
  - **$100,000 to $299,999**
    - DIO Corporation
    - Naomi L. Ellison, DDS ’81 & William J. Ellison
    - Enochian BioSciences
    - David Y. Lee, MD, MPH, MBA & Miki M. Nam, DDS ’83
    - Mitsui Chemical, Inc.
    - Nanto, Inc.
    - Seed Health, Inc.
    - SINTX Technologies
  - **$50,000 to $99,999**
    - BioHorizons
    - William E. Bloomfield Jr., MBA
    - Brasseler USA Dental, LLC
    - Calcagnini ALS Foundation
    - Jacob Fleischmann, MD & Esther Fleischmann
    - Kami Hoss, DDS ’93, MS & Nazli Keri, DDS
  - **The Weintraub Family Foundation**
    - UniHealth Foundation
    - Jane M. Weintraub
    - Michael P. Weintraub
  - **The Weintraub Family Foundation**
    - Margaret M. Bloomfield Family Foundation
  - **Mizano Investments**
  - **Monica Lester Charitable Trust**
  - **Musculoskeletal Transplant Foundation**
  - **Oral and Maxillofacial Surgery Foundation**
  - **Peter W. Shapiro**
  - **Shirley L. Shapiro & Ralph J. Shapiro, JD**
  - **Sjogren’s Syndrome Foundation**
  - **Stonebridge Management Services**
  - **Joanne B. Hunter & James L. Hunter**
  - **Margaret M. Bloomfield Family Foundation**
In honor of their 50th reunion year, the UCLA Dentistry Class of 1971 is seeking to establish the Class of 1971 Dr. Jean Savage Memorial Scholarship. A beloved classmate and colleague, this fund is named in memorial of Dr. Savage as she represented the very best of the dental profession. This scholarship will support future generations of dental students who embody the spirit of the Class through leadership, the promotion of holistic patient care, and public service.