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

At a Glance:
Class of 2025

Females 50  Males 38

Overall GPA 3.72  Science GPA 3.67

Future Plans:
Class of 2021

105 Graduates

40% Entering Private Practice 60% Pursuing Postgraduate Education

Future Plans:
Class of 2021

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

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.

In this issue, you can read highlights of potentially life-saving research from Drs. David Wong and Cun-Yu Wang; learn about what our volunteers accomplished through their work with various communities; and scroll through an impressive list of donors in our annual honor roll.

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

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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.

Scholarships & Grants

Aid from University Sources:

<table>
<thead>
<tr>
<th>Scholarship Fund</th>
<th>Amount</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dean’s Scholarship &amp; Dentistry Grant Awards</td>
<td>$2,183,098</td>
</tr>
<tr>
<td>UC Regents Scholarship</td>
<td>$58,300</td>
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Dental School & University Scholarship Awards:

<table>
<thead>
<tr>
<th>Scholarship Fund</th>
<th>Amount</th>
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<tbody>
<tr>
<td>David &amp; Miki Lee Scholarship</td>
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<tr>
<td>Bob &amp; Marion Wilson Endowed Scholarship</td>
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<tr>
<td>Dr. No-Hee Park Award for Excellence Endowed Scholarship</td>
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<tr>
<td>Frida A. Xhonga-Oja Scholarship</td>
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</tr>
<tr>
<td>The Board of Counselors Endowed Scholarship</td>
<td>$22,500</td>
</tr>
<tr>
<td>Shapiro Family Endowed Scholarship</td>
<td>$13,500</td>
</tr>
<tr>
<td>Quon Family Scholarship</td>
<td>$13,500</td>
</tr>
<tr>
<td>Dental Foundation of California Endowed Scholarship</td>
<td>$12,000</td>
</tr>
<tr>
<td>Dr. Ronald Mito Award for Professionalism, Leadership, and Service</td>
<td>$12,000</td>
</tr>
<tr>
<td>Apollonian Society Scholarship</td>
<td>$10,000</td>
</tr>
<tr>
<td>Mason C. Dong, DDS &amp; May H. Dong Endowed Scholarship</td>
<td>$10,000</td>
</tr>
<tr>
<td>Shapiro Family Special Patient Care Endowed Scholarship</td>
<td>$7,500</td>
</tr>
<tr>
<td>Yip Family Scholarship</td>
<td>$7,200</td>
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<tr>
<td>Dr. Susan Kinder Haeke Endowed Scholarship</td>
<td>$6,000</td>
</tr>
<tr>
<td>Kathy &amp; Randy Wall Endowed Scholarship</td>
<td>$6,000</td>
</tr>
<tr>
<td>Garonie Lowe Endowed Scholarship</td>
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</tr>
<tr>
<td>Yoshi Yamasaki Scholarship</td>
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</tr>
<tr>
<td>Dorothy Schick Endowed Scholarship</td>
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<tr>
<td>Dr. Donnell C. Fisher Memorial Scholarship</td>
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<tr>
<td>Dr. Howard Y. Chen Endowed Scholarship</td>
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<tr>
<td>Li Family Endowed Scholarship</td>
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<tr>
<td>Russ &amp; Kathi Webb Family Endowed Scholarship</td>
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<tr>
<td>Wyatt Rori Hume Endowed Scholarship</td>
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<tr>
<td>Mary Hooley Scholarship</td>
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<tr>
<td>Sherwin Rosen Scholarship</td>
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<tr>
<td>Naomi Ellison Endowed Scholarship</td>
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<tr>
<td>Steven S. Koh Endowed Scholarship</td>
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</tr>
</tbody>
</table>

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

Aid from Outside Sources:

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

Subtotal (Outside Sources) | $1,483,593

Total Aid | $4,964,091
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%)
- Non-Governmental Organization, State/County/City: $2,619,267 (42%)
- Business/For-Profit Entity: $1,692,857 (27%)
- 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 of Mental Health: $679,777 (4%)
- National Institute on Drug Abuse: $207,194 (1%)
- National Institute on Alcohol Abuse and Alcoholism: $384,353 (3%)
- National Institute of Dental and Craniofacial Research: $8,729,058 (58%)

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

- $15,087,918

**Total National Institutes of Health Grants by Agency:**

- National Institute of Dental and Craniofacial Research: 58%
- National Cancer Institute: 11%
- National Institute of Mental Health: 4%
- National Institute on Drug Abuse: 1%
- National Institute on Alcohol Abuse and Alcoholism: 3%
- National Institutes of Health: 100%

**Amount received in FY 2020 – 2021:**

- National Center for Advancing Translational Science: $1,798,005
- U.S. Army Medical Research Acquisition Activity: $1,047,148
- National Cancer Institute: $1,692,385
- National Institute of Mental Health: $679,777
- National Institute on Alcohol Abuse and Alcoholism: $384,353
- National Institute on Drug Abuse: $207,194
- National Institute of Dental and Craniofacial Research: $8,729,058
- National Institute of Dental and Craniofacial Research: $8,729,058
**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.

**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 affects 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.

**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 combatting 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.

**UCLA Team Discovers How to Restrict Growth, Spread of Head and Neck Cancers**

**Posted May 3, 2021**

Researchers from the UCLA School of Dentistry have discovered a key molecule that allows cancer stem cells to bypass the body’s natural immune defenses, spurring the growth and spread of head and neck squamous cell cancers. Their study also demonstrates that inhibiting this molecule derails cancer progression and helps eliminate these stem cells.

Published in the journal Cell Stem Cell, the findings could help pave the way for more effective targeted treatments for this highly invasive type of cancer, which is characterized by frequent resistance to therapies, rapid metastasis and a high mortality rate.

Cancer stem cells, also known as tumor-initiating cells, are considered to be the original source of cancerous tissues — the cells that give rise to all other cancer cells. Their ability to survive and proliferate in the early stages of cancer development, as well as during tumor growth and metastasis, suggests they have an intrinsic ability to evade detection by the body’s immune surveillance system. The researchers set out to better understand how and why this happens.
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

**UCLA Dental Clinics in Westwood:**
- 3,195 Advanced Education in General Dentistry
- 967 BISCO Clinic for Esthetic Dentistry
- 4,789 Pediatric Dentistry Clinic
- 112 Craniofacial Clinic
- 578 Dental Anesthesia Services
- 5,150 Jack & Geraldine Weichman Endodontics Clinic
- 19,655 Faculty Group Dental Practice
- 19,400 General Clinic
- 8,359 Maxillofacial Prosthetics, Advanced Prosthodontics & Special Patient Care
- 5,023 Oral Pathology Lab

**Wilson-Jennings-Bloomfield UCLA Venice Dental Center:**
- 3,402 Advanced Education in General Dentistry
- 3,365 General (Includes pre-doctoral, hygiene, & ACT)
- 266 Oral Surgery Faculty Practice
- 1,286 Pediatric Dentistry

**Additional Clinical Care Sites:**
- 760 Children’s Dental Center of Greater Los Angeles (Inglewood)
- 256 Saban Free Clinic (Los Angeles)
- 2,015 Sunset Kaiser Permanente Medical Center (Los Angeles)
- 64 VA Sepulveda (Los Angeles)
- 80 VA Wadsworth/VA West LA (Los Angeles)

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.
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.

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.

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, SCAAPD, 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.

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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
- Muskegon, MI
- El Centro, CA
- Palm Desert, CA
- Santa Barbara, CA
- South Los Angeles, CA
- Ventura, CA
- Victorville, CA

From recent CBCE students:

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.

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%)

Total Amount Pledged in FY 2020 – 2021 $3,919,346

### 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%)

Total Amount Pledged in FY 2020 – 2021 $3,919,346

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

The Weintraub Family Foundation
UniHealth Foundation
Jane M. Weintraub
Michael P. Weintraub
The Weintraub Family Foundation
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
Joanne B. Hunter & James L. Hunter
Margaret M. Bloomfield Family Foundation
Mizano Investments
Mona K. Lister 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
CLASS OF 1971 DR. JEAN SAVAGE MEMORIAL SCHOLARSHIP

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.