

LLUSD ARTICULATOR

The melding of compassion and competence in dental education



LOMA LINDA
UNIVERSITY
School of Dentistry

**Dean's
Challenge
stimulates
curriculum**

**Team Steam gets
new machines**

**Annual
Homecoming
2019**

**LLUSD's 63rd
conferring of
degrees**





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RSVP
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The purpose of the Dean's Circle is to support students and enhance their educational experience. Our Dean's Circle members are important partners in our mission to provide the finest in oral healthcare education. Your gift makes this possible by funding scholarships, updating facilities, supporting service opportunities, and much more.

Gifts of \$1,500 or more to any School of Dentistry fund qualify you for Dean's Circle membership and benefits.*

More information regarding the Dean's Circle and other School of Dentistry giving opportunities can be found at dentistry.llu.edu/about/giving-opportunities.



LOMA LINDA UNIVERSITY
School of Dentistry

Office of Development
11175 Mountain View Ave., Suite A
Loma Linda, CA 92354
909-558-5362
sdgiving@llu.edu

*Gifts of \$1,500 or more must be donated within the same calendar year and received by December 31st to qualify for Dean's Circle membership.

LLUSD ARTICULATOR

**The melding of competence and compassion
in dental education.**

VOLUME 30, NUMBER 1 WINTER/SPRING 2019

Articulator (formerly **Dentistry**) celebrates with alumni and friends the School of Dentistry's efforts to combine compassion and competence in the education of oral healthcare professionals. LLUSD alumni represent the strength of that amalgam. The journal is published twice each year by the Loma Linda University School of Dentistry Office of Marketing.

Dean

Robert Handysides, DDS

Alumni director

Kathleen Moore, MHIS

Director, Office of Marketing

Krista Weymar, MBA

Director of Publications

Managing editor

Douglas Hackleman, MA

Contributing editor

Edna Maye Loveless, PhD

Science editor

Yiming Li, PhD, DDS, MSD

Photographers

Carmen Fernandez

Daryl Osborne

LLUSD Mission

Loma Linda University School of Dentistry seeks to further the healing and teaching ministry of Jesus Christ by providing an environment wherein:

Students learn to provide high quality oral healthcare based on sound scientific principles

Patients receive competent care, which is preventive in purpose, comprehensive in scope, and provided with compassion and respect

Faculty, students, and staff value the patient relationship, respect diversity, and share responsibility by working together toward academic, professional, spiritual, and personal growth

Scholarly activity and research provide a foundation for evidence-based learning and enhance whole person care

The workplace environment attracts and retains a superior and diverse faculty and staff who motivate, educate, and serve

Our communities (local, global, and professional) benefit from our service, stewardship, and commitment to life-long learning.



Dean Robert Handysides, DDS'93, addresses graduating students, faculty, family, and friends at the recent LLUSD commencement.

Editors note:

This editor's note is for those of you who plan to attend the American Dental Association's annual meeting in San Francisco this September and would like to participate in the **Alumni Dinner with Dean Robert Handysides**.

The logistics have been determined.

Place:

Morton's The Steakhouse
400 Post Street, Lower Level

Time:

Friday, September 6, from 5:00 to 7:30

Host:

The dinner will be hosted by LLU School of Dentistry Dean Robert Handysides.

Seating is reserved and limited. We'd hate to miss you.

Also hosting will be Jeri Fowler, assistant director, Continuing Dental Education and Alumni Affairs.

Doug Hackleman, MA

Editor

Cover photo by LLUSD photographer Daryl Osborne depicts Prince Hall in morning light backed by the newly constructed LLUH Hospital.

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Direct advertising inquiries and correspondence to:

Publications Director
 LLU School of Dentistry
 11245 Anderson Street, Ste 120
 Loma Linda, CA 92354

Phone: (909) 558-4984
 Fax: (909) 558-0835

To reach School of Dentistry Alumni Affairs, contact:

Jeri Fowler, assistant director
 LLUSD Alumni Affairs
 11245 Anderson Street, Ste 120
 Loma Linda, CA 92354

Phone: (909) 558-4399
 Fax: (909) 558-0835

For admissions information contact:

School of Dentistry
 Office of Admissions
 11092 Anderson Street
 Loma Linda, CA 92350

Admissions.sd@llu.edu
 Phone: (909) 558-4621

DEAN'S MESSAGE

Reflections

As one academic year closes and we embark on the next, it seems good to pause and reflect on how God has led through all that has transpired this past year. The race through the matrix of daily life often preoccupies us. Times of reflection offer an opportunity to share some things that matter, things that have been taking place recently at your alma mater.

The 2018-2019 academic year has been a whirlwind. Our curriculum has been (and always will be) under continual revision to meet the needs of an ever-changing educational environment. This year's incoming class will begin under the current curriculum transformation; and because that class will have opportunities to be in the clinic earlier than ever before, it will acquire more experiences in the delivery of whole person healthcare.

LLU, and the School of Dentistry, have both invested heavily in the infrastructure and the technologies needed to propel us into the digital age: from servers to software, scanners to mills, and the development of a digital design center where pre-doctoral and post-doctoral students can interact reciprocally (peer learning); change is underway with more to come this next year.

Predoctoral dental and International Dentist Program students have been integrated fully on the clinic floor, with our dental hygiene program also preparing to merge. A common graduation date and timeframe for all programs is now in place going forward.

On-time graduation rates are at 100 percent for all classes this year, with students on average gaining more experiences than those who graduated in the previous year.

Enrollment rates remained steady in all programs this past year and look promising for the next, a circumstance which has left us fiscally strong (healthy positive margin) and will play a significant role in the balance of LLU's collective budget.



Dr. Robert Handysides

The Vision 2020 campaign is rolling along well. While we have room for improvement in our part of the campaign (to date we have raised over \$17.5 million of our \$19 million goal), I trust that in 2019-2020 we will exceed our goal. The Vision 2020 campaign has had a tremendous, direct impact on the School of Dentistry and on many students, as their personal stories attest.

I could go on—admissions, service learning, research, faculty development, clinical activities, analytics, dean's challenges, etc.—but won't. The forthcoming academic year has equal if not greater opportunities for the excitement, challenges, and changes that are churning our corner of the world. Our goal is to make next year better than this one for all with whom we interact. I know with God's help and continual leading this is possible, and wish you all His richest blessings throughout the next year.

Respectfully yours,

Robert Handysides, DDS
Dean

WHERE ARE THEY NOW?

Brief updates on the noteworthy professional and personal activities of LLUSD alumni

David Clark

Racing through the woods at incredible speeds, **Dave Clark**, DDS'08, is keeping a vow made in dental school: balance his professional life with other activities. Today he says, "Helping people with dental problems is the next best thing to rally racing." Several times a year he's racing against the clock on closed-off sections of roads—winding, often single-lane, usually unpaved and unforgiving—at crazy speeds.



Dr. David Clark

He notes that racing and practicing dentistry in his Yakima, Washington, office require patience, control, and finesse of movement. But rally racing provides an added adrenalin rush. And he admires the community ethos of the pursuit. "There's no playing dirty, cutting someone off. Everyone gets along," he says. A huge team (about 60 per rally) monitors progress on the route.

Racers take a reconnaissance trip before the race, but there's no predicting changes—animals, boulders, fallen trees, snow and rain alter a course run on gravel or dirt surfaces. Dr. Clark recalls an early race. "I was in a beat up 1980 Toyota Celica with holes in the floor and not much power. Dust poured into the cabin. Splashing through a creek sent water jetting through the holes and into the cabin. It was the 'press on regardless' mentality that stuck with me. The harder it got, the more fun we had."

Linda Rotondo

Forty-three years after graduating from dental hygiene studies, **Linda Randolph Rotondo**, BS'76, maintains an active license. A dental assistant when she enrolled for dental hygiene at LLUSD, she warmed immediately to the School's mission outreach emphasis.

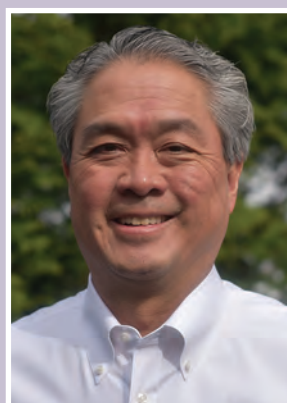
She has volunteered on mission trips to Fiji, China, and the Philippines. "The Filipinos loved me so much they wrapped their arms around me," she says. "A lot of times," she adds, "I was doing everything by hand."

Mrs. Rotondo parallels professional pursuits with other commitments. She provided education and dental screenings in local schools. She began volunteering at the Redlands Senior Center while overseeing her mother, and was a Girl Scout leader in her daughter's troop.

Twenty years ago, Mrs. Rotondo started donating time at the Redlands Assistance League's dental center which serves low income patients and the homeless. She also has expanded her Assistance League involvement into many other philanthropic projects, such as its thrift store that pays for Operation School Bell, providing each of 1,200 area children \$100 in free clothing through a partnership with Kohl's. "It's like Christmas for kids," she notes. On weekends, faithful to another commitment, she begins the week teaching her Sunday School class of 30 years.



Ms. Linda Rotondo



Dr. John Liu

Since his graduation from LLUSD (1986) and a pediatric residency at Children's Hospital in Cincinnati, Ohio (1988), John Liu has taught both pediatric dentistry and patient priority in faculty appointments at LLUSD, LLUSM, and the University of Washington. In 1994 he opened a private practice in a small house in Issaquah, Washington. Today the practice has expanded to 10 dental chairs, a surgery suite, and a recovery area.

Among many appointments interspersed with his practice, Dr. Liu has served on the boards of Seattle Children's Museum and the Washington Dental Service Foundation. Washington state Governor Jay Inslee has appointed him to the Dental Quality Assurance Commission, which oversees all dental care in the state. His additional leadership roles include serving as president of the Washington State Academy of Pediatric Dentistry and the American Academy of Pediatric Dentistry.

John Liu

As a teenager, **John Liu**, DDS'86, was recruited to help oversee a class of seven year olds at his church. It was a fit. Introduced to pediatric patients during his sophomore year at LLUSD, Dr. Liu tuned out the crying and turned on the charm. He still lives by the instruction of the late LLUSD pediatrics professor Dr. Wil Nation: "If money is your priority, you're in trouble. Take care of the people."

Since his graduation from LLUSD

Todd Sumner

In his 21-year naval career, **Todd Sumner**, DDS'92, MD'01, completed a medical degree in oral maxillofacial surgery, served aboard a destroyer tender and two air craft carriers and completed two years' service in Iraq.

During his nine-year appointment with the US Marines, Dr. Sumner, the only maxillofacial surgeon in a flotilla at sea, treated the ship's personnel as well as critical patients transported from other ships. By retirement in 2013, Dr. Sumner had received two marine corps commendation medals.



Dr. Todd Sumner

The Iraq missions put his surgical unit in a traveling tent city, always within helicopter range of the action. The environment was treacherous—"We heard enemy shots regularly"—and primitive, but equipment was "top notch," he says. Accommodations were evocative of television's M.A.S.H. scenes. Dr. Sumner is most graphic when he describes mail call: "There was nothing like mail call. It came at night. We stood in long lines, hoping to hear our names. The mail truck's strong spotlight made reading possible."

Now with his family in Escondido, California—Kari Goltz Sumner, BS'92 (DH), wife of 25 years, and Brooke and Haley, daughters—he continues his professional contribution to US servicemen as director of oral and maxillofacial surgery at the VA Medical Center in San Diego.

CURRICULUM

Dean's challenge stimulates curriculum advances

To encourage the alignment and integration of clinical and academic teaching processes and improve the learning and engagement of our students, LLUSD Dean Robert Handysides, DDS'93, announced in June 2018 a Dean's Curriculum Challenge backed by \$50,000 in prize money to be shared among the creators of three proposed curriculum contributions voted most impressive by the School's faculty, students, and staff.

As Mark Estey, DDS'98, assistant dean, Academic Affairs, put it, "Dean Handysides put out the challenge for anyone to look at our curriculum, pick out a piece, and come up with a plan on how to make it better."

A revitalizing of the LLUSD curriculum has been motivated by several factors that triggered the Dean's Challenge and its terms:

1. The need to upgrade the way dentistry is taught and the curriculum is delivered to 21st century students.
2. The need to incorporate into dental education, modern technological advances in dental materials, novel techniques, principles, and procedures as well as pedagogical tools, all the while considering large shifts in dental practice choices.
3. The need for a curriculum that recognizes what is required in the new, single-test dental board exam to be administered commencing in 2020.

A Clinical Transformation Committee first assembled in November of 2016 and chaired since January 2018 by Dr. Estey has met for two years preparing for the intricacies of curriculum advances that require a phased implementation.

Chair

Mark Estey, DDS'98, assistant dean, Academic Affairs

Members

- John Won, DDS'05, head, Division of General Dentistry
- Tord Lundgren, DDS, PhD, chair, Department of Periodontics
- Anupama Grandhi, DDS, assistant professor, Oral and Maxillofacial Surgery
- Iris Nam, DDS'10, assistant professor, Division of General Dentistry
- Mike Fitzpatrick, DDS'87, interim program director, International Dentist Program

- Jessica Kim, DDS'05, director, Faculty Dental Practice
- Lisa Nelsen, business intelligence analyst, Office of the Dean

Curriculum submissions for the Dean's Challenge were judged on their incorporation of eight rubric categories:

- Delivery method (lecture or alternative delivery—modern, educationally sound, learning-focused edutainment, multi-dimensional, student interactive)
- Technology-infused (webinars, recorded lectures, online videos, Canvas/Livetext, linked to educational sites)
- IPE/team approach (interprofessional education/group learning—faculty, students, staff)
- Aligned with LLUSD Model (techniques and materials used on clinic and developed by team are imbedded)
- EBD support (evidence-based dentistry—modern literature, Med Ed portal, etc.)
- Built in assessment (self-tests with formative progress tracking)
- Curriculum mapped (mapped and scheduled at the same time to LLUSD's Intentional Learning and Outcomes (ILO))
- Multipliers (number of units for courses)

In response to the June Challenge, initially 15 teams or individuals began working on submissions; but as they became aware of each other and the obvious overlap in topics being tackled, competitors joined forces in ways that reduced the number of creative groups to ten.

A quartet of interprofessional faculty members from four different schools—Tamara Thomas, MD, vice dean, School of Medicine; Laura Alipoon, EdD, chair, Radiation Technology, School of Allied Health Professions; Leo Ranzolin, MDiv, ThM, associate dean, Academic and Student Affairs, School of Religion; Arthur Marshak, EdD, assistant professor, Allied Health Studies, School of Allied Health professions—sat for all ten dental curriculum proposal presentations on November 26 and selected its five favorites without ranking them.

Presentations of the selected quintet were posted online two days later for the judgment of LLUSD students, faculty, and staff who had until 3:00 pm, December 6, to rank their three preferred presentations. To ensure that no one voted more than once, the link automatically disabled after one access.

With votes collected from faculty members, students, and staff, the winners were announced at the December 14 Faculty Advance Seminar.

First place (\$25,000) for curriculum innovations focused on Patient-centered Care went to a team of five faculty and staff: Dr. Fitzpatrick; Jessica Kim, DDS'05, director, Faculty Dental Practice; Ms. Elvia Sandoval, clinical coordinator, Patient Centered Care; Balsam Jekki, BDS, associate professor, Division of General Dentistry; and Mrs. Nelsen.



Backed by Dr. Mark Estey (with beard) and Dean Robert Handysides (far right), winners of the first-place submission are (L-R) Dr. Michael Fitzpatrick, Dr. Jessica Kim, Ms. Elvia Sandoval, Dr. Balsam Jekki, and Mrs. Lisa Nelsen.

Second place (\$15,000), for curricula that foster **Wellbeing**, was received by a team of two: Anupama Grandhi, BDS, assistant professor, Oral and Maxillofacial Surgery, and Natalie Hohensee, DDS'08, assistant professor, Division of General Dentistry.



Dr. Mark Estey (left) and Dean Robert Handysides (far right), join second-place winners Dr. Anupama Grandhi (left) and Dr. Natalie Hohensee.

Third place (\$10,000), for **eLearning** curriculum contributions, went to Dr. Kim; Mrs. Nelsen; Marlise Perry, assistant director, Office of Admissions and Recruitment; Noura Fadel, DDS, assistant professor, Division of General Dentistry; Holli Riter, DDS'98, associate professor, Division of General Dentistry; and Iris Nam, DDS'10, assistant professor, Division of General



From left: Dr. Jessica Kim, Dr. Holli Riter, Ms. Marlise Perry, Dr. Iris Nam, Dr. Noura Fadel, and Mrs. Lisa Nelsen

Dentistry.

All ten of the competing projects were so sufficiently worthy that Dr. Estey says each will be incorporated into the revised LLUSD curriculum. "Many faculty and staff spent a lot of time working on other presentations and even though they did not move on to the final list, we felt it was important for everyone to have an opportunity to see the other presentations."

Finalists

- **Educating the Educators:** A Faculty Enhancement Program – Dr. Kim; Eun-Hwi Cho, DDS'93, assistant dean, Educational Quality and Outcomes; and Mrs. Nelsen – Future thinking mindset of transitioning thought processes and education is dependent not only on educating the students but also on educating the educators.
- **Multidisciplinary Case Presentations** – Dr. Fadel, Erin Richards, DDS'10, assistant professor, Division of General Dentistry, Dr. Hohensee; So Ran Kwon, DDS, MS, PhD, MS, program director, Student Research; and Eun-Joo "Priscilla" Choi, DDS'96, assistant professor, Division of General Dentistry – Case-based, multidisciplinary student presentations with IPE rotations and EBD appraisals in decision-making process.

(Dean's Challenge concluded)

Additional submissions (minus one that preferred anonymity)

- **Dental Ethics** – Erik Sahl, DDS'06, MSD'11, program director, Advanced Education Program in Periodontics, and Dr. Cho – An all-encompassing review of the ethical principles as they relate to the specialty practice of dentistry as well as a reflection of service learning experiences
- **Radiology** – Dwight Rice, DDS'96, professor, Radiology and Imaging Sciences – Proposal revamps the radiology curriculum so that first year students will have met the requirements of what a dental assistant must know
- **Root Camp: Endodontics for General Dentists** – Tory Silvestrin, DDS, MS, MSD, chair, Department of Endodontics and program director, Advanced Education Program in Endodontics; Jing Guo, BDS, MS, PhD, assistant professor, Department of Endodontics; Rinku Parmar, BDS, assistant professor, Department of Endodontics – Introduction to innovative endodontic techniques and technologies for soon-to-be general dentists

- **Tooth Morphology** – Dr. Hohensee and her father, Todd Cochran, DDS'80, assistant professor, Division of General Dentistry – Condensing the course on Tooth Morphology to a three-week mini course by using interactive software and inter-departmental collaboration

Immensely pleased with the response to his Curriculum Challenge, Dean Handysides commented: "I am very proud of the School of Dentistry team. This experience has brought together people from different centers, departments, roles, and responsibilities in a unifying way that promotes necessary curriculum change and the advantages it will give our students. The Challenge results have been a win for all who participated—not just financially but in scholarly growth, promotion potential, and collegial interactions that have resulted in new friendships. The best part is that throughout Prince Hall, and even around campus, individuals no longer satisfied with the status quo are discussing how to do things better. I anticipate we will initiate another challenge later this year to not only maintain the creative momentum but stimulate even more development and growth."

By the numbers

Doctor of Dental Surgery Class of 2022

Cumulative GPA	3.52
DAT Academic Average	20.20
Applicants	1562
SDA applicants	130
Gender	
Female	46
Male	54
Ethnicity	
African American	3
Asian Pacific Islander	44
White	35
Hispanic	17
Two or more	5
Age	
Range	19-40
Average	23.26

International Dentist Program Class of 2020

Applicants	529
Matriculated	32
Gender	
Female	23
Male	9
Ethnicity	
Asian	5
Hispanic	4
Indian	7
Multiple ethnicities	1
White	18
Age	
Average	30.03
Dentistry experience	
Average in years	5.45
Countries of origin	13

Dental Hygiene Class of 2020

Prerequisite GPA	2.96
Applicants	
Total	80
SDA	22
Matriculated	42
Gender	
Female	35
Male	7
Ethnicity	
African American	2
Asian Pacific Islander	8
Hispanic	17
White	15
Average Age	23.90

Mark Carpenter honored with LLUH Community Engagement Award

Mark Carpenter, DDS'80, MPH, assistant professor, Dental Educational Services, was presented with the LLUH Community Engagement Award by President Richard Hart, MD, DrPH, at the 2019 annual Loma Linda University Health Homecoming.

The Community Engagement Award is presented to an individual or organization whose commitment to local community through respectful and reciprocal engagement exemplifies LLUH's mission through practice, education, and/or research. It is awarded to individuals or groups with a minimum of five years of service within LLUH that significantly impact the local community through meaningful community partnerships, or a minimum of five years of community engagement work within the Adventist system and/or through other nonprofit organizations.

Dr. Carpenter's service history is extensive and protracted. He has practiced dentistry in the San Bernardino/Redlands area since graduating from LLUSD in 1980. In 1995 he joined the LLUSD faculty and soon began working closely with Hank Mercado, DDS'77, MS, assistant clinical professor, Dental Educational Services, and on the School of Dentistry Alumni Association Board.

In 1996 Dr. Carpenter started the Compassion Clinic, an interfaith free dental clinic in San Bernardino, where he supervised students in the evening at the SACHS-Norton facility where they treated patients from underserved categories.

Dr. Carpenter began in 2000 to accompany dental students on service learning trips to Nicaragua each year, trips on which he was joined thereafter by Dr. Mercado, beginning in 2002,



Dr. Mark Carpenter

and in 2003 by Tom Rogers, DDS'83, MA, professor, Dental Educational Services. Dr. Carpenter continued these annual trips until 2018, spending countless hours each year working with students in meetings and at the Compassion Clinic preparing them for Nicaragua.

Under Dr. Carpenter's direction, the Compassion Clinic eventually moved to The Blessing Center in Redlands where, on a weekly basis, he supervised students in evening clinics, treating the homeless and other persons without access to dental care. Dr. Mercado has now taken over this responsibility.

Dr. Carpenter also participated several times each year at clinics of the Flying Doctors group and at

Mary's Mercy Center for the Homeless in San Bernardino.

With Drs. Mercado and Rogers in 2005, he created the Foundation for Worldwide Health dedicated to providing care to people in need.

Upon receiving the School's Alumnus of the Year Award in 2000, Dr. Carpenter said, "It is a tremendous responsibility to do what I can, because I feel that Loma Linda University is so important to God's work, and the body of Christ. The people around the School feel the same way. Everybody's being blessed by the Compassion Clinic, the patients, the students, the staff."

Nine years later, as Dr. Carpenter recovers from the encephalitis that recently terminated his ability to provide patient care directly, his daughter, Erin Estey, DDS'98, classmate and wife of Mark Estey, DDS'98, assistant dean, Academic Affairs, maintains his Redlands practice where she continues "to hear stories of the lives he has touched as we treat the patients he took such loving care of over the years."

Team Steam gets new machines

It's one thing to purchase and install a new dishwasher in a home kitchen. A guy comes in with a hand truck and a new dishwasher, spends a few minutes unhooking and unplugging the old unit and installs the new model. Within the hour he's gone along with the old machine and a \$600 check.

But when the School of Dentistry's central services sterilization department swaps out its fourteen-year-old dental instrument washing machines, the guy with a dolly becomes a team with a forklift—University Engineering, LLUSD Maintenance, and representatives from the manufacturer—with complementary expertise, determination, and a three-day restoration collaboration across a long weekend to replace all three superannuated machines in time for the start of a new clinic week.

In August, one of the three instrument washing machines used by Central Sterilization (aka Team Steam) to prewash all the School's dental instruments before they are autoclaved, went down and could not be resuscitated.

Josonjia Haynes, supervisor, leads Team Steam's 12 sterilization technicians who work rotating shifts to process 45 dirty instrument loads per day through the three industrial washers that, along with the subsequent autoclaving, ensure clean instruments for the 20,000 patients treated at the School's clinics each month. With its washing machine capacity cut by one third, Team Steam faced a crisis.

Fortunately, the right people occupied the positions that had to collaborate to bring about the complicated but necessary renovations and replacements without negative consequences for student clinicians, patients or revenue.

LLUSD administration acted quickly to approve the replacement of all three washers realizing that it would be less expensive to



What a difference a long weekend of focused expertise can make.

make the complicated install simultaneously, rather than wait for the remaining old machines to fail at unpredictable moments.

Nevertheless, the Steam Team had to work for two months with two old model washers before the approval and the plan to remove the old and insert the new could be implemented.

With the continuous assistance of LLU engineering and the LLUSD facilities team led by Stan Lillard, supervisor,

Maintenance, long-time Geringe service representatives and their engineers oversaw the installation of the new digital machines with their ten percent larger capacity replacements. The collaborators worked tirelessly Thursday night (October 11), Friday, and Saturday night through Sunday night (October 14), and the Geringe representatives stayed on Monday to provide the Steam Team's initial training and utilization of the latest technology available to dental instrument prewashing.

The new machines cost somewhat more than a typical kitchen appliance. Actually, each Geringe Clean Detergent Range 86 Series Sterilizer Air Glide System washer-disinfector costs \$99,400 more than the average home dishwasher. But with a decade and a half worth of advances in electronics, controller software, and materials, the new 86-series

machines have, beyond increased capacity, several advantages: reduced cycle time, ease of operation, and minimized ergonomic strain that combine to make them 25 percent more efficient/economical to operate.

The teams that pulled off this large, necessary exchange are justifiably proud of the complex collaboration that enabled this tricky trade-out to take place without even a temporary degradation of service to the School's clinics, care providers, or patients.

The new 86-series machines have increased capacity, reduced cycle time, ease of operation, and minimized ergonomic strain that combine to make them 25 percent more efficient and economical to operate.



1. With the old machines removed, the sterilization department was prepared for replacements.
2. Three new Getinge Detergent Range 86 Series Sterilizer Air Glide System washer-disinfectors await installation.
3. Carlos Rodriguez, plumbing supervisor, Campus Engineering (kneeling), and Tom Sawyer, shop supervisor, Campus Engineering, install one of the new washer-disinfectors.
4. The first of three new washers is placed.
5. Team Steam with its new machines remains an essential and busy service line.



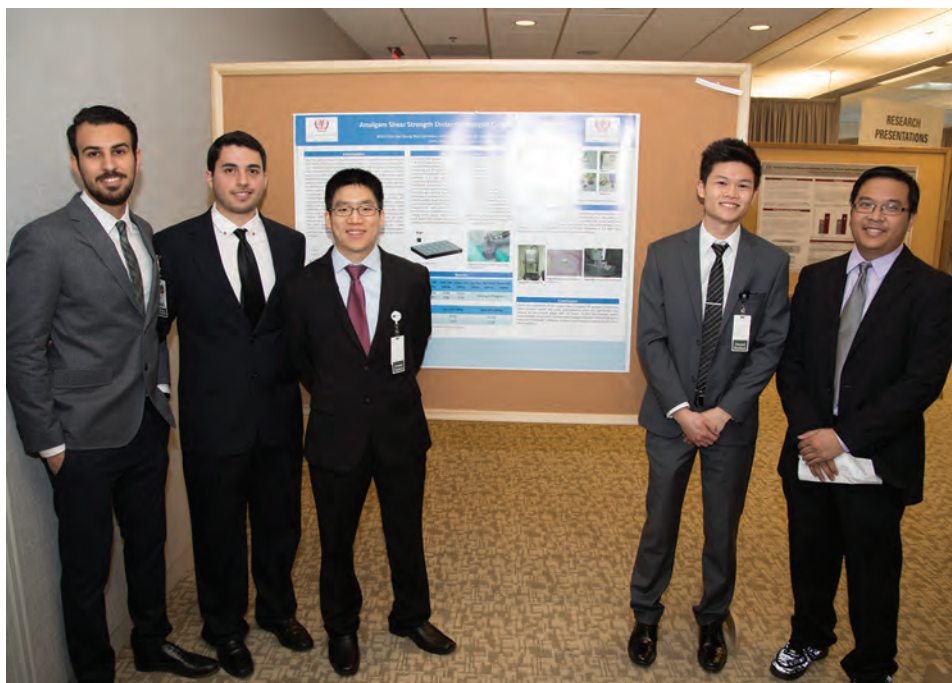
Students' Amalgam Study Group research published in Operative Dentistry

Five LLUSD undergraduate students collaborated for two years on an investigation regarding the strength of dental amalgam following extreme contamination during condensation. The study was published online March 15 in peer-reviewed *Operative Dentistry*, under the title, "Amalgam Strength Resistance to Various Contaminants."

Mentored by Clyde Roggenkamp, DDS'70, MA, MSD, MPH, associate professor, Division of General Dentistry, and calling themselves the Amalgam Study Group, Brian Choi, DDS'18, Jae Chung, D4, Reza Parhizkar, DDS'18, Anthony Pham, D4, and Rodrigo Robles-Cardenas, DDS'18, set out to determine the shear-strength degradation effects on the dental amalgam currently used in the LLUSD main clinic from gross contamination during condensation under water, saliva, blood, and handpiece lubrication oil.

These Research Design students worked frequently beyond regular hours in the Biomaterials Research Laboratory on first floor of Prince Hall and in the Orthopedics Research laboratory located at the Loma Linda University East Campus.

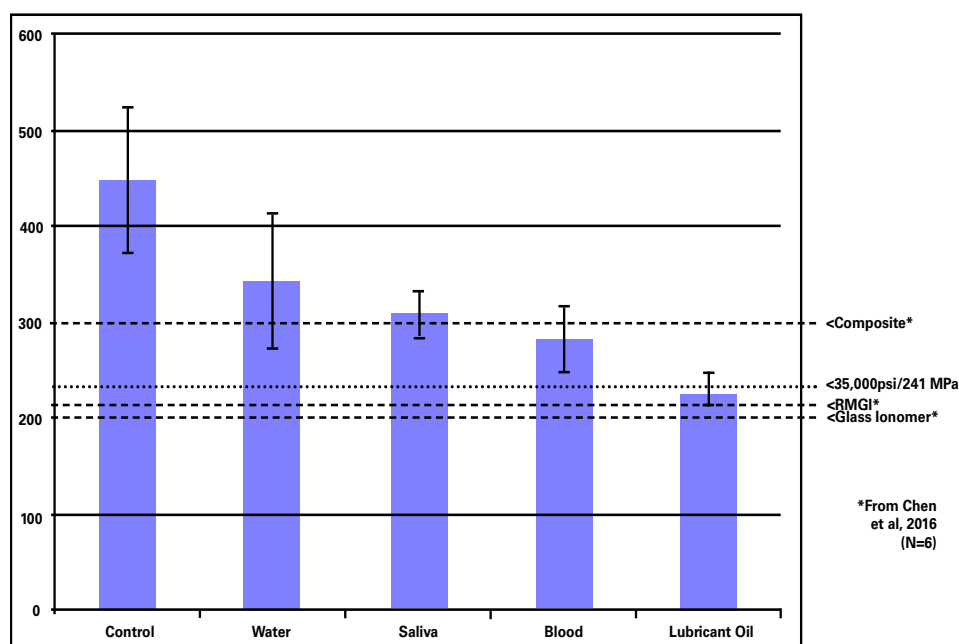
The shear strength testing of their amalgam samples was awarded 2nd place in the Scientific category at



Amalgam Study Group (L-R): Reza Parhizkar, DDS'18, Rodrigo Robles-Cardenas, DDS'18, Jae Chung, D4, Brian Choi, DDS'18, D4, and Anthony Pham, D4.

the LLUSD Alumni-Student convention in March 2017 and went on to earn 2nd place at the CDA Convention in May 2017. One member of the group, Rodrigo Robles-Cardenas,

**Intracapsular+Extracapsular Contaminated
30-d Amalgam Compressive Strengths, MPa (N=6)**



The shear strength testing of their amalgam samples was awarded 2nd place in the Scientific category at the LLUSD Alumni Student Convention in March 2017 and went on to earn 2nd place at the CDA Convention in May 2017.

presented an abstract of the shear strength part of this research at the March 2018 American Association for Dental Research meeting in Ft. Lauderdale, Florida.

A more extended presentation including compressive strengths of amalgam after exposure to the same liquid contaminants won 3rd place at the CDA Convention in May 2018.

Results showed that water contamination did not reduce amalgam strength to a statistically significant extent ($p=0.05$), and saliva reduced strength mid way between that of water- and blood-contaminated amalgam. In each contaminated sample the remaining final strength of the amalgam equaled or exceeded the uncontaminated strengths reported in the literature for other available restorative materials including composite resin, resin-modified glass ionomer, and glass ionomer (see graph).

The greatest degradation of amalgam strength (nearly 50%) resulted from total inundation with handpiece lubrication oil during condensation. This source of contamination is least likely in actual practice; nevertheless the remaining final amalgam strengths equaled or exceeded the uncontaminated strengths of the other available restorative materials including resin-modified glass ionomer and glass ionomer. Also it equaled or exceeded the minimum compressive strength of 35,000 pounds per square inch historically recommended by the American Dental Association for a permanent restorative material.

Dr. Roggenkamp summarizes, "This published study, conducted in the Loma Linda University School of Dentistry

Biomaterials Research Laboratory, appears to be the first that quantitatively measures amalgam's considerable forgiveness to even worst-case-scenario contaminant exposures, and compares its average remaining strength to that of other commonly used unexposed direct filling materials."

Research funding was sponsored by a seed grant from the Loma Linda University Center for Dental Research. The School of Medicine's Orthopedics Research Laboratory shared use of its Instron E10000 testing machine for compression testing. Udo Oyoyo, MPH, assistant professor, Dental Educational Services, was consulted extensively for statistical insight and accuracy. The approved compressive testing specimen mold for the amalgam was generously loaned to the Biomaterials Research Lab for this study by Henry Lukic, BS, engineering research associate, Research and Laboratories, Science Institute, American Dental Association, and Max Gruber, engineering researcher, American Dental Association research laboratory in Chicago. Interestingly this collaboration of LLUSD students represented five diverse national backgrounds—China, Iran, Korea, Peru, and Vietnam.

***Seed Grant:**

The Dental Research Committee (DRC) of the School of Dentistry invites seed grant proposals from faculty for original scholarly research projects that contribute to the body of knowledge related to dentistry. Both new and experienced investigators may apply for the seed grant. For more information please contact Cindy Edwards, senior administrative assistant, Center for Dental Research: cedwards@llu.edu

LLUSD alumnus contributes over 250,000 surgical specimens to AAOMP

Gordon M. Rick, DDS'68, MS'72, has donated to the American Academy of Oral and Maxillofacial Pathology (AAOMP) more than 250,000 surgical specimens from the oral, head, and neck region. They represent the consecutive accessions from 1956 through 2008 of what eventually became Scripps Oral Pathology Service (SOPS). The collection of paraffin-embedded tissue blocks and glass microslides occupies about 425 cubic feet and weighs nearly 12,000 pounds.

The archive is located at the University of Chicago Human Tissue Resource Center that ensures safe storage, management, utilization, and distribution of the material according to the policies of the Center and the Rick Collection Advisory Committee (RCAC) chaired by Mark W. Lingen, DDS, PhD, professor of pathology and scientific director of the Center.

History of SOPS

Oral Pathology Service (OPS), reportedly the first private, independent oral pathology lab in the country, was established by Francis V. Howell, DDS, MS, in La Jolla in 1956. Beginning a few years later two pathology professors from the University of Southern California School of Dentistry each practiced there a day a week through 1972.

Dr. Rick spent the final year of his LLU oral pathology residency at the La Jolla laboratory and became a part-time associate pathologist there in 1973. (Dr. Rick and Lane Thomsen, DDS'65, MS'74, were the first and only residents to complete the full LLUGS oral pathology graduate program.) First appointed to the LLUSD faculty in 1969, and while teaching full-time in the Department of Oral Medicine (which later became ODRP), Dr. Rick commuted to practice in La Jolla one day per week until he moved to the San Diego area in 1985 to devote more time to private practice while commuting to LLU to teach part time. (A human interest note:



Dr. Rick (left) delivers a thumb drive containing records of the 250,000 surgical specimens to Dr. Lingen before his address on "Differential Diagnosis of Oral Mucosal Lesions" for the Gordon M. Rick Oral Cancer Lectureship at the 2019 Alumni Student Convention.

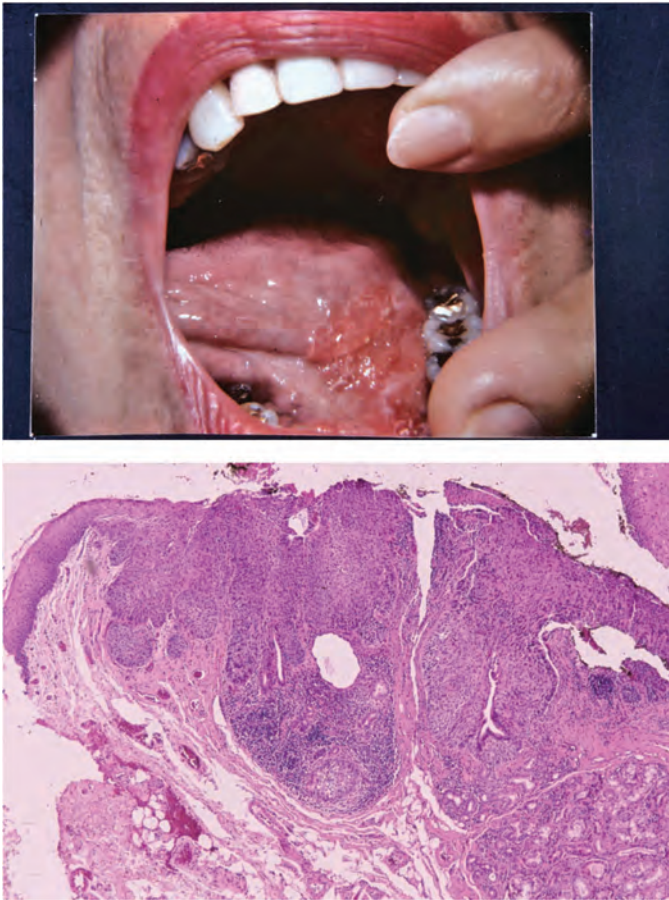
While growing up in Chilliwack, British Columbia, Elmer Kelln, DDS, was the Rick family's dentist. In 1967, Dr. Kelln joined the LLUSD faculty where he was one of Dr. Rick's instructors and briefly his department chairman. In 1975 Dr. Rick became ODRP chair when Dr. Kelln was appointed associate dean and later an LLU distinguished professor.)

By the early 1980s, SOPS had become part of the new Scripps Clinic Department of Oral Medicine and Stomatology. When the department was scheduled for closure near the end of the 1980s, Dr. Rick acquired the oral pathology lab and established Scripps Oral Pathology Service (SOPS) that continued operating on the Torrey Pines Campus of Scripps Clinic and

Research Foundation until 1992 before relocating to Sorrento Valley (down the road from QualComm headquarters) and finally to Governor Drive in the Golden Triangle area of La Jolla.

Dr. Rick subsequently broadened the services of SOPS to include a clinical oral pathology (oral medicine) division, to serve the needs of diagnostically challenging clinical cases referred by dentists and physicians primarily in the San Diego area, and an education division licensed to provide California continuing dental education credits.

In the following years, a number of board-certified oral and maxillofacial pathologists who were working for or had worked at other healthcare institutions (LLUSD, Santa Monica VA Medical Center, UCLA, AFIP, Balboa Naval Medical Center) served on the part-time professional staff at SOPS, including Gretchen S. Folk, DDS, MS who continues to serve as laboratory director. In 2007, laboratory accessions passed the 250,000 mark and from among those specimens a number of new diseases have been identified, including necrotizing sialometaplasia, florid osseous dysplasia, and sialadenoma papilliferum. Additionally, the understanding of a number of other conditions



Images above show an asymptomatic erythematous lesion of the left lateroventral tongue mucosa, typical of an early squamous cell carcinoma (the most common oral malignant tumor that the dental profession carries the primary responsibility for detecting and diagnosing), and the corresponding microscopic features showing invading atypical epithelial cancer cells.

has been amplified through publications and abstracts on acinic cell adenocarcinoma, mucoepidermoid tumor/carcinoma, adenomatoid odontogenic tumor, peripheral ameloblastoma, calcifying epithelial odontogenic tumor, verruciform xanthoma, and minor salivary gland calculi. Meanwhile, Dr. Rick is working on an extensive survey of odontogenic tumors he began in 1983 during an NIH Fogarty International Fellowship with the late Professor Jens J. Pindborg, DDS, Dr Odont, in Copenhagen.

Following the sale of the laboratory in 2013 to LLUSD alumni, Craig Chan, DDS'83, and his brother Curtis Chan, DDS'86, Dr. Rick remains director emeritus.

Collection access

The AAOMP is making the Rick Collection available to the biomedical researchers and educators through the custodianship



Some of the nearly six tons of paraffin tissue blocks and glass microslides that comprised the initial shipment to the University of Chicago.

of the University of Chicago Human Tissue Resource Center that offers, in addition to Biospecimen Banking services, Laser Capture Microdissection, Digital Pathology, and Histology (including conventional histochemistry and immunohistochemistry).

The archive specimens were coded by the original diagnosing pathologist using criteria available at the time of diagnosis. Cases in the database may be searched by histopathologic diagnosis, anatomic location, and multiple demographic parameters. Recut microslides and demographic data are provided to bona fide researchers and educators whose project-specific protocols have been approved by the RCAC.

Healthcare researchers and educators interested in making use of this collection should request a current application form from the curator, Dr. Mark W. Lingen, at mark.lingen@uchospitals.edu

TRANSITIONS

Eun-Hwi Cho appointed assistant dean

On behalf of the LLU School of Dentistry, Dean Robert Handysides, DDS'93, announced the appointment of Eun-Hwi (Euni) Cho, DDS'95, assistant professor and director, Educational Assessment and Curriculum Development, to the position of assistant dean, Educational Quality and Outcomes. In her new role, Dr. Cho chairs the LLUSD Outcomes Committee and directs and organizes the documentation production required for each of the School's programs for accreditation.

"I have great confidence in Dr. Cho's organizational skills and her professional representation of the School of Dentistry in a variety of activities through which we align and collaborate with the University leadership to most effectively forward our shared mission," says Dean Handysides.

In her recent role, Dr. Cho represented LLUSD on the LLU assessment committees, sharing information between the School of Dentistry and the parent institution. In that position she administered the assessment program at LLUSD and directed the response to CODA (2016) and will manage the WSCUC (2020) accreditation preparation.



Dr. Eun-Hwi Cho

After graduating from Andrews University, Dr. Cho worked her way through dental school by teaching piano, serving as a bookkeeper, and working as a clerical assistant at LLU finance.

Following her graduation from LLUSD in 1995, Dr. Cho practiced as an associate dentist for three years before spending the next dozen years providing oral healthcare services to the underserved in the California counties of Sonoma, Riverside, and San Bernardino.

Dr. Cho served as an associate dentist with the School of Dentistry in its Department of Oral and Maxillofacial Surgery from 2005 to 2015 and has been until recently an attending dentist in the Department of Surgery at Arrowhead Regional Medical Center in Colton, California, where she

treated patients in the operating room.

Since 2010, Dr. Cho has been a lecturer and clinical instructor under the Ryan White HIV/AIDS grant at the SACHS Dental Clinic. This year, she was named program director for the same grant which is now in the first year of a five-year award totaling nearly \$1.5 million.

Montry Suprono named director CDR

The LLU School of Dentistry is pleased to announce the appointment of Montry Suprono, DDS'07, MSD'11, associate professor, to the position of director, Center for Dental Research (CDR), effective February 3, 2019.

Dr. Suprono takes charge of a thriving CDR that Yiming Li, DDS, PhD, MSD, associate dean, Research, has directed and advanced since 2002.

"I'm honored to accept this responsibility, and appreciate the confidence that the School of Dentistry and University have placed in me," says Dr. Suprono.

Since his graduation from dentistry in 2007, Dr. Suprono has been a member of the LLUSD faculty, initially part time, first as assistant professor with the Department of Restorative Dentistry (2011-2012) and then, following the acquisition in 2011 of his MSD in prosthodontics and a certificate from the LLUSD fellowship program in implant dentistry, to part-time assistant professor, in 2012, with the Advanced Dental Education Program in Prosthodontics. He advanced to full-



Dr. Montry Suprono

time status in 2015 with his appointment divided between the Division of General Dentistry, the Center for Dental Research, and Advanced Prosthodontics before being designated associate professor in 2018 for the CDR and Advanced Prosthodontics.

Dr. Suprono has practiced privately since 2007 as a specialist limited to prosthodontics and implant dentistry with four Inland Empire private practices.

Beyond his teaching and research mentoring responsibilities, Dr. Suprono is the author of multiple refereed journal publications, textbook contributions, and abstracts. For clinical research he has been the principal investigator or co-investigator on industrially funded investigations, co-investigator on federally funded investigations, and principal

investigator on unfunded research projects.

An active participant in the life of his School, Dr. Suprono sits on several LLU and LLUSD committees. He has delivered numerous continuing education presentations and served on mission trips to Mexico, Honduras, and Jamaica.



LOMA LINDA UNIVERSITY
School of Dentistry

2020 LLU/AAID Implant MaxiCourse®



Over 500 clinicians
have completed
the LLU School of
Dentistry and AAID
MaxiCourse program.



The 2019 LLU/AAID MaxiCourse® offers 300 hours of lectures, hands-on workshop sessions, live surgical demonstrations, online lectures, and clinical experiences that place dental implants on participating patients. The LLU/AAID MaxiCourse® brings the experience of widely regarded instructors and clinicians from Loma Linda University and around the world.

The 10-month sessions (two days per month) also help prepare participants to take the written portion of the AAID Associate Fellow Membership Examination. The didactic portion of the course includes information for beginning, intermediate, and advanced clinicians in implant dentistry who wish to expand their knowledge in this field.

The program is designed to take its participants systematically through the options learning approach of implant dentistry provides.

Starting with basic concepts, diagnosis, treatment planning, dental implant surgery, and implant prosthodontics, attendees develop sequential treatment plans on their own patients and participate in performing surgeries with the assistance of experienced faculty members and residents of the Advanced Education Program in Implant Dentistry.

Attendees also experience hands-on workshops during which procedures such as cone-beam imaging analysis, simulated patient-based dental implant surgery on life-like mannequins, and guided-bone regeneration procedures on cadavers and pig jaws complete their understanding of basic and advanced dental surgical procedures.

Dates: March 12 - December 4, 2020

Tuition: \$18,000

To register for LLU/AAID MaxiCourse contact Loma Linda University School of Dentistry Continuing Dental Education office at (909) 558-4685 or visit us online at: **dentistry.llu.edu or www.llumaxicourse.com**

TRANSITIONS

Roberto Savignano joins CDR*Dr. Roberto Savignano*

Roberto Savignano, MSc, PhD, has joined LLUSD's Center for Dental Research as assistant professor, effective February 13, 2019.

A biomedical engineer whose doctorate is in mechanical engineering, Dr. Savignano's immediate focus at CDR is the application of 3D printing technology to dentistry and medicine and the use of finite element analysis in dental biomechanics and the design of dental appliances.

When Dr. Savignano was nearing completion of study for his PhD at the University of Pisa in Italy, he spent a year at LLUSD (August 2014 to August 2015) as a visiting scholar during which he was mentored by then CDR associate professor and research scientist Rodrigo Viecilli, DDS, PhD. During that year, Dr. Savignano focused on the study of dental biomechanics. His primary project regarded the evaluation of the orthodontic movements obtained by applying different force systems to each maxillary and mandibular tooth. The result was a 3D map of instantaneous centers of rotation and a set of equations that describe how the applied force system influences the tooth movement in different spatial planes.

At the ages of 13 and 15, Dr. Savignano was the Italian student champion of the Logic and Mathematics competition which qualified him on both occasions to compete in the world final of the logics and mathematics games in Paris, organized by the Federation Francaise des Jeux Mathematiques. He credits his passion for mathematics and logic to his father, a retired high school math teacher. "I think that this passion has been driving my research method, always trying to find the logic connection among data to extrapolate the right path," he says.

Dr. Savignano has worked in private industry employing CAD to design customized, invisible orthodontic appliances and using 3D printing technology to improve CAD/CAM production of orthodontic aligners, while supervising nine dental technicians in the meeting of strict customer driven deadlines.

LLUSD offers Orthodontic Assisting Permit Program

This 84-hour course (52 hours at LLU laboratory, 32 hours at extramural facility) **makes RDA students eligible to take the written state board examination for Orthodontic Assisting Permit licensure.**

This Orthodontic Assisting Permit course will train you to

- prepare teeth for bonding, and select, pre-position, and cure orthodontic brackets after their position has been approved by a licensed dentist;
- remove only orthodontic brackets and attachments with removal of the bonding material by a supervising licensed dentist;
- size, fit, and cement orthodontic bands;
- remove orthodontic bands and excess cement from supragingival surfaces of teeth with a hand instrument;
- place and ligate archwires.

Schedule:

A total of nine sessions: composed of three 8-hour Sunday sessions, three 4-hour Tuesday evening sessions, and three 4-hour Thursday evening sessions held at LLU School of Dentistry.

Registered Dental Assistants (RDAs) need to attend first six sessions only. Dental Assistants (DAs) need to attend all sessions.

- | | |
|----------------------------|----------------------------|
| • Sunday, Sept. 8, 2019 | • Thursday, Sept. 26, 2019 |
| • Tuesday, Sept. 10, 2019 | • Sunday, Oct. 6, 2019 |
| • Thursday, Sept. 12, 2019 | • Tuesday, Oct. 8, 2019 |
| • Sunday, Sept. 22, 2019 | • Thursday, Oct. 10, 2019 |
| • Tuesday, Sept. 24, 2019 | |

Tuition:

\$1,500

**For more information or to register,
call LLUSD Continuing Education at (909) 558-4685
or visit dentistry.llu.edu**

Jacob Love and Glynda York join Admissions and Student Affairs team



Mr. Jacob Love

Jacob Love

The LLU School of Dentistry has hired Jacob Love, MA, as an assistant director of Admissions and Student Affairs.

Mr. Love is a veteran teacher in the Adventist K-12 setting who looks forward to working with the admissions and student affairs team to continue providing the best educational experience possible for current and future LLUSD students.

Jacob's roots are in the Loma Linda community. His brother is a physician's assistant at LLU Dermatology. His wife, Michelle, a graduate of LLU, is an occupational therapist assistant. The couple's son, Hudson, turned three in April.



Ms. Glynda York

Glynda York

The LLU School of Dentistry has hired Glynda York, BS (nutrition), AS (ocular science), BS (business), as an assistant director of Admissions & Student Affairs.

Ms. York worked for the Victor Elementary School District as a vision therapist and then served as registrar for Redlands Adventist Academy before joining the LLU School of Nursing as records coordinator/student advisor.

Ms. York is excited about the prospect of helping LLUSD students meet their educational goals.

She and her husband have two sons, an urban planner for Riverside County and an academic content writer for NYU. They also have a daughter who works as a registered nurse at LLUMC.

LLUH HOMECOMING

Alumni Student Convention No. 59

The third annual LLUH Homecoming (LLUSD Alumni Student Convention number 59) welcomed several hundred dental alumni back to campus for continuing education, fellowship, and spiritual renewal. The blend of interprofessional programs and dentistry-specific activities enabled School of Dentistry alumni and students to mingle with health professional colleagues while internalizing information that applied directly to the practice of dentistry.

"The 2019 Homecoming went very smoothly, from parking to registration to food trucks," says Kathleen Moore, director,

Alumni Affairs and Continuing Education. "Plans are already underway for the 2020 Homecoming events," she added, "And feedback from alumni is always welcome; it is only through a partnership with alumni and students that these events are successful."

Dean Rob Handysides, DDS'93, presented a State of the School address just as a variegated selection of CE courses were getting under way. After a couple of years' stumble, the School's CE courses were back in full swing and well attended.



Dean Handysides conveys the state of the School.



Roger Lindner, DDS'57, DeeWayne Jones, DDS'60, Ronald Zane, DDS'57, Shirley Jones, and Carole Lindner.



Myron Gottfried, DDS'76, Lane Thomsen, DDS'65, MS'74, and Gary Golden, DDS'76



Jasmine Healy, D4, demonstrates the use of an intraoral scanner on an unsedated typodont.



Alumni register for continuing education courses.



The selfie has become an event fixture.



John Chrispens, DDS'69, Anita Jensen, BS'69 (DH), Judy Chrispens, Beverly Gottfried, BS'69 (DH), Myron Gottfried, DDS'76,



Annabelle Galvan, senior administrative assistant; Kathleen Moore, director, Continuing Education, Alumni Affairs & Marketing; Vivian Arredondo, administrative assistant.



Registration in Centennial Complex's cavernous foyer.



Minnie Handysides with her husband Robert Handysides.

COMMENCEMENT 2019

LLUSD's 63rd conferring of degrees



Pastor Samuele E. Leonor



Mr. Hsiang Hu



Dr. Justin McAuliffe

The late afternoon drizzle on commencement Sunday, May 29, 2019, did very little to dampen the mood of 191 School of Dentistry students from 34 countries —“graduates” who LLUH President Richard Hart, MD, DrPH, said “are going out” into the world “to make man whole.”

“Look at those beautiful teeth”

“I wanted to tell you about my dentist because he’s awesome.” La Sierra University Chaplain Samuel Leonor focused on his dentist of two decades during his address to the graduating classes. “Every time I visit him he begins with this sentence: ‘Look at those beautiful teeth.’

“I love this man,” Pastor Leonor said any number of times as he explained how his dentist “practiced human connection.”

“I go to see my dentist every six months and he’ll ask, ‘How’s your family? How’s work? How’s your health? How’s your church?’ I told him when I had a baby.

“‘You had a baby! That’s great!’”

“Our baby’s in kindergarten, doctor.”

“‘Oh, that’s such a great age.’”

“Our baby went to college last year.”

“‘Oh, wasn’t it hard? Can you believe it?’”

My dentist is “practicing a human connection,” Pastor Leonor explained.

“You will be in the business of giving people relief from pain, helping them to eat comfortably, helping them to smile confidently. But,” Pastor Leonor reminded his gowned listeners, “you will also be one of the most trusted members of your community—of any community. People will believe in you, that you have their best interest in mind. . . . You need to practice realizing how much you mean to them.”

Pastor Leonor suspected that patients “will have zero fascination with the hi-tech tools you have learned to use. They only care about the impact that technology will have in their lives—whether it will make them well and whether you really cared.”

My dentist “practices human compassion,” he continued. “He cares more than just about filling holes in my teeth. He cares about the holes in my life.

“Do you remember the day you chose this path?” Pastor Leonor asked the students. “I have read many personal statements in my work as chaplain at La Sierra. And sometimes you overplay the thing about how you care for humanity,” he grinned, “but I know you do. You really do, which is why you are here.”

“What happened here is you got the tools, the experience, and the skill to deploy your compassion.

“I love this man,” Pastor Leonor reasserted. “On my dentist appointment days, I get up with a song in my heart. . . . And I’m that patient—the fearful one, the panicked one—that is,

until 21 years ago when I met my dentist. Oh, he’s so great. He’s a graduate of this place. He has a magnetic smile that comes from the depth of his being. ‘Look at those beautiful teeth.’ I walked away from that first interaction flossing more, brushing more, eating less hard candy, chewing less hard ice, more generous, more loving.”

But Pastor Leonor has begun to worry.

“I live now with the stress that he’s gonna retire soon, because he’s old. I asked him one day, ‘Are you gonna retire? Because I’ve got to prepare for that.’

“And he said, ‘Nah. Naaaah. This is my life.’”

Pastor Leonor concluded on that meaningful note: “It’s not his living; this is his life.”

“May you find life—not just a living—as you practice human connection and compassion.”

“Mission field ahead”

For their loved ones, faculty members, and friends who had been a support to the graduating dental hygiene students, 2019 class president Hsiang Hsu, opened by saying “We cannot thank you enough.

“For most of us,” he continued, “this is where we complete our schooling and venture out into the real world. [But] for a few of us in my class this is a milestone in our professional education where we may enjoy a well-earned respite and then return to start the DDS program in August.”

Mr. Hsu “reflect[ed] on what we have learned at Loma Linda. From Loma Linda’s distinguished faculties” knowledge and “cutting-edge clinical skills.”

But then he focused on what was learned “from our classmates, from each other.” These included those “in our class those that in addition to the rigors of our program also showed the responsibilities of being parents, . . . those with such incredible interpersonal skills that in the short time we had here built an incredible network, . . . those with brains that made everyone envious, but at the same time displayed such depth of humility, . . . those who struggled with the challenges placed before us, but with quiet perseverance and endless resourcefulness overcame every one of them.” But especially “those that not only took care of our patients’ dental hygiene but also their spirituality, and would take the time to pray with their patients on their way out.”

Mr. Hsu was especially grateful to learn “how to be a spiritual companion to those who are placed within our care.

“Shenandoah Valley Academy in New Market, Virginia,” he recalled, was “the first school I attended in this country, a place that is forever dear to my heart. At the exit of our church parking lot there hangs a sign that reads, “Mission Field Ahead.” I feel as if we are standing in front of that sign, ready to go into the world to serve.”

“Through a thin, invisible veil”

“In just a moment,” Justin McAuliffe, president DDS class of 2019, addressed his compatriots, “you are going to be called up on the stage one by one to receive your diplomas. And as you traverse it, you will pass through a thin, invisible veil. And all of a sudden, you no longer will be D4s; you will be dentists.

“Yeah, that goal that we’ve been pursuing for quite a while, through every filling that we’ve prepped, every impression we’ve taken (and retaken) . . . you’ve reached your goal, you’ve made it.”

But McAuliffe “want[ed] to make one thing clear: being a doctor does not make you special; rather being special is what has made you doctors. Your degree is not going to change who you are; it’s merely a recognition of who you are.

“Your willingness to give up precious years of your life up on the clinic, late nights in lab going through physical, mental, emotional stress, training your hands and your heads and your hearts just so that you can heal people that you hardly know, that specialness, that willingness, that is what makes you doctors.

“But a diploma is also great,” he laughed.

“I will miss you dearly,” said Doctor-to-be McAuliffe, as he closed with a wish for his classmates through a Korean proverb: “As the saying goes: ‘At the end of hardship, comes happiness.’

“I hope you find that this holds true for you both today and in all your future endeavors. I will miss you dearly. Best wishes until we meet again.”

Zina Johnston, Teacher of the year

Mark Estey, DDS’98, assistant dean, Office of Academic Affairs, presented Zina Johnston, DDS’00, with the School of Dentistry Teacher of the Year Award.

“The School of Dentistry Teacher of the Year Award was established to recognize a faculty member whose accomplishments have made an extraordinary impact on students, peers, and the School family.

“Dr. Johnston was born in Bagdad, Iraq. She graduated from Orangewood Adventist Academy before completing her pre dental education at La Sierra University.

“Dr. Johnston graduated from the Loma Linda University School of Dentistry in 2000 where she was awarded the American College of Prosthodontics Award and the Wilfred E. Nation Award.

“Following graduation from the School of Dentistry, Dr. Johnston practiced dentistry in Riverside and Yucaipa, California, before returning to Loma Linda University in 2008 to join the faculty on a full-time basis.

“As the writer William A. Ward once said, ‘The mediocre teacher tells, the good teacher explains, the superior teacher demonstrates, and the great teacher inspires.’



Dr. Zina Johnston anticipates her School Teacher of the Year Award from Dr. Estey.

“We have only to look at the consistently outstanding assessments submitted by students to support why Dr. Johnston is one of the great teachers. Let me just read a couple of comments made by students about Dr. Johnston from this year’s graduating class.

“One student describes Dr. Johnston as ‘one faculty that embodies the mission of Loma Linda University. She cares for each of her students and patients. She does not make us feel as if we are taking up her time with our questions and will take the time to help us.’

“Another student states, ‘Dr. Johnston is an example of how every faculty member should be on clinic. She is very committed to her task. She’s also a great teacher and has a lot of knowledge.’

“Dr. Johnston has served on numerous committees for the School of Dentistry as well as currently serving as co-chair of the Professional Standards Committee. Additionally, Dr. Johnston has served on search committees for both department leadership and dean of the School. Dr. Johnston was inducted into Omicron Kappa Upsilon, the dental honor society, and she served as president of its Chi Chi chapter from 2016 to 2017.

“In appreciation for what she has contributed to Loma Linda University, and in particular the School of Dentistry, it is my honor to present Dr. Zina Johnston the 2019 School of Dentistry Teacher of the Year Award.”

Jaime Lozada, School Distinguished Research Award

Dean Robert Handysides, DDS'93, presented Jaime Lozada, DDS, program director, Advanced Dental Education Program in Implant Dentistry, with the School Distinguished Research Award.

"An outstanding researcher and educator, Dr. Jaime L. Lozada has served the Loma Linda University School of Dentistry for more than three decades. Throughout his career, he has conducted rigorous and meaningful research, resulting in significant innovations in the field of implant dentistry. Dr. Lozada generously shares his knowledge and expertise as an investigator by mentoring graduate students and fellows in their laboratory and clinical research projects, and by publishing his findings. He has published over 100 articles in peer-reviewed journals and authored or co-authored many textbooks and chapters. His publications have introduced new clinical methods and advanced implant dentistry.

"Recognized for his exceptional, significant, and exemplary contributions to the advancement of implant dentistry, Dr. Lozada received awards from the American Academy of Implant Dentistry Research Foundation, the Academy of Fixed Prosthodontics, and the Journal of Prosthetic Dentistry.

"A local, national, and international lecturer, Dr. Lozada has also established valuable linkages and benefitted his colleagues in dentistry through his leadership in prestigious professional bodies—serving as past-president of the American Academy of Implant Dentistry of the American Board of Dental Specialties, a member of the Editorial Board of the Journal of Oral Implantology, a fellow of the American College of Dentists, and currently as president of the American Board of Oral Implantology/ Implant Dentistry.

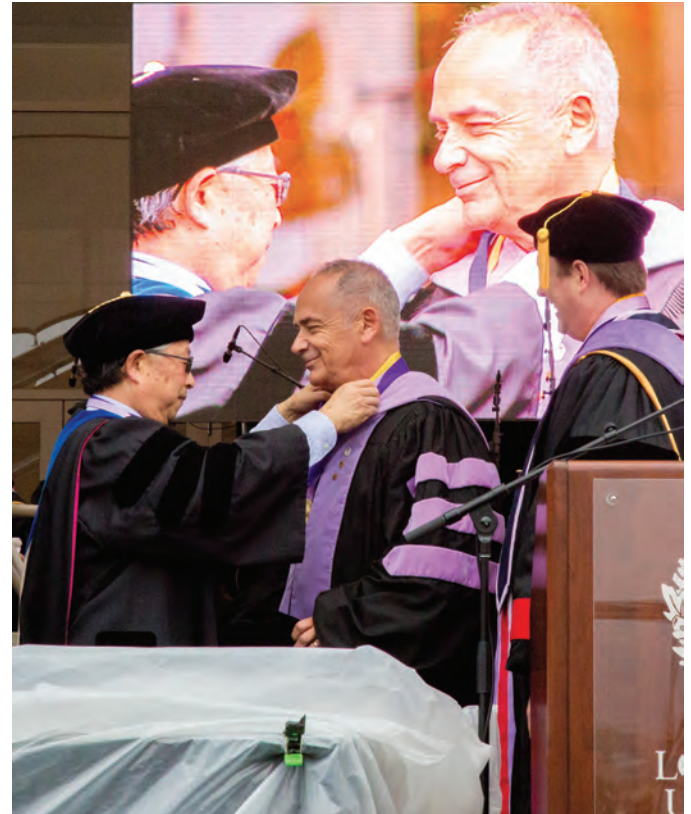
"Dr. Lozada has been blessed with a wonderful family— his wife, Alicia F. Lozada, and daughter, Daniella.

"The School of Dentistry recognizes Dr. Jaime L. Lozada's unwavering dedication to dental education and his invaluable contributions to research in implant dentistry that have significantly impacted not only the local but also the global dental community—and honors him with the School Distinguished Research Award."

Debbie Catino, School Distinguished Service Award

In presenting Debbie R. Catino, clinical manager, Department of Endodontics, with the School Distinguished Service Award, Dean Robert Handysides, DDS'93, said:

"A California native, Ms. Deborah R. Catino's exemplary and successful service as clinic manager for the School of Dentistry's Department of Endodontics, spans over four decades. She has played a vital role in the achievement of the mission, and the efficient and effective operation of the department through her positive influence, dynamic leadership, and problem-



Dr. Lozada accepts his School Distinguished Research Award from Dr. Yiming Li, associate dean, Research.

solving skills. Feeling a strong connection with the dedicated people with whom she has partnered—faculty members, dental professionals, and students who are passionate about excellence—she has a strong commitment to this department.

"Early on, Ms. Catino worked in the business office of an aerospace company that manufactured interior aircraft components; to this day, she can identify and name most parts inside an aircraft cabin. Prior to coming to Loma Linda University, she also worked as an assistant to a very strict "balance to the penny" hospital controller. Her experiences enabled her to enhance and improve patient financial management in the department.

"Family and close friends are foremost in Ms. Catino's life and keep her interests here in Loma Linda and the surrounding areas. When she is not busy working, she keeps herself involved with event planning and other activities that require detailed thinking. She has planned and coordinated many events, such as the Department of Endodontics' 50th Anniversary Celebration.

"Her mission has been to help and support busy students in their quest for higher education and development of the highest patient-care ethics. Knowing that even small gestures on her part are appreciated is a source of great fulfillment for Ms. Catino. She shares, 'My morning prayer is to ask God to show me the resources it will take today to bring happiness to just one person.'



Ms. Catino listens as Dean Handysides describes the contributions that earned her the School Distinguished Service Award.

"Her contagious enthusiasm for service at Loma Linda University has inspired her sisters, Cindy Edwards and Cheryl Hoover, and her son, Michael, to also serve in this University.

"For her exemplary, unselfish service that goes beyond expectations, and for her positive, Christian influence, the School of Dentistry honors Deborah R. Catino with the School Distinguished Service Award."

John W. Leyman—School Distinguished Faculty Service Award

Presenting John W. Leyman, DDS, director, Koppel Special Care Dentistry Center, with the School Distinguished Service Award, Dean Robert Handysides said:

"Dr. John W. Leyman joined the faculty of Loma Linda University School of Dentistry in 1980, following his residency in anesthesiology at Loma Linda University Medical Center where he managed his time between administering operating room anesthesia and treating chronic pain conditions at the Pain Control Center. For more than three decades, Dr. Leyman has served the School of Dentistry with distinction as a faculty member and specialty trainer in the Advanced Education Program in Dental Anesthesiology. As of this graduation, over 120 graduates will have benefited from his focused guidance.

"Dr. Leyman directed the Department of Dental Anesthesia Residency Program from 1992 to 2005, at which time he assumed the role of director of the Loma Linda Surgery Center

for Dentistry, now the Koppel Special Care Dentistry Center. The Koppel Center has provided care to well over 100,000 patients needing anesthesia for routine dental care.

"Recognized for his strong leadership and expertise, Dr. Leyman has served as treasurer, vice president, and president of the American Society of Dentist Anesthesiologists. He has served as a consultant to the American Dental Board of Anesthesiology, the American Dental Society of Anesthesiology, the California Dental Association, and the State of California. In 1996, he was a faculty inductee to Omicron Kappa Upsilon (OKU), Chi Chi Chapter. He has received fellowships in the American College of Dentists (1999) and the International College of Dentists (2006). In addition to professional recognitions, Dr. Leyman has been a speaker, program director, co-moderator, and consultant in numerous specialized education forums and symposia.

"Throughout his personal, professional, and spiritual journey, Dr. Leyman has been blessed by the love and support of his wife, Dr. Paula M. Leyman, DDS'86, and their children, John Jr. and Alissa.

"In recognition of his significant contributions to his field; and for promoting the values of excellence, diligence, and collaborative service, the School of Dentistry names Dr. John W. Leyman recipient of the School Distinguished Faculty Service Award."



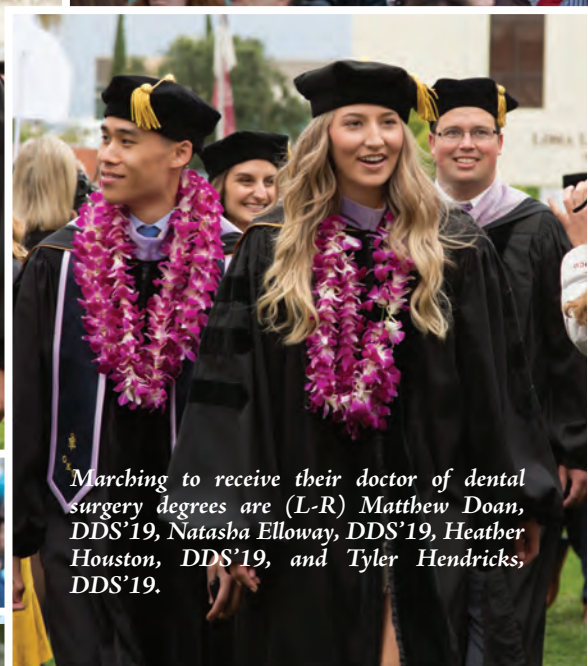
Dr. Leyman accepts the School Distinguished Faculty Service Award from Dean Handysides.



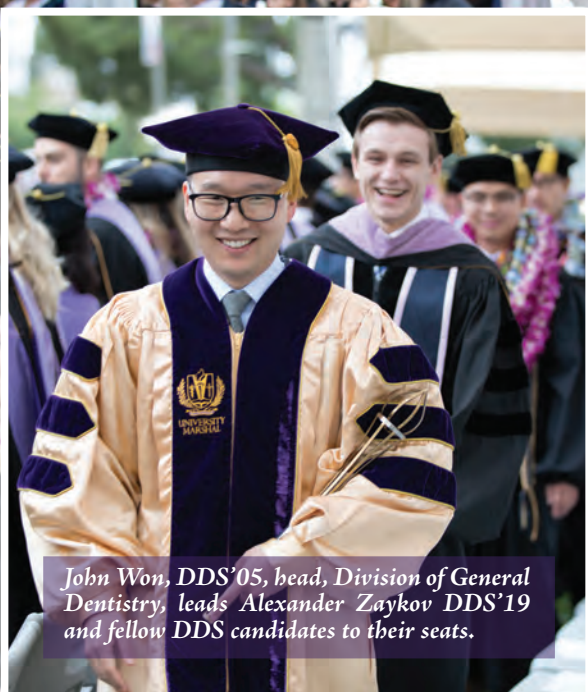
Marching to receive postdoctoral certificates or degrees are (L-R): Janice Chen, DDS, Cert (anesthesia); Brian Eun Suk Chu, DDS'14, Cert (anesthesia); Jason Fowler, DDS'12, MSD (endodontics), and Meghna Patel, DDS, MSD (endodontics).



Marching to receive their doctor of dental surgery degrees are (L-R) Yoshae Fletcher, DDS'19, Craig Foster, DDS'19, and Elias Gutierrez, DDS'19.



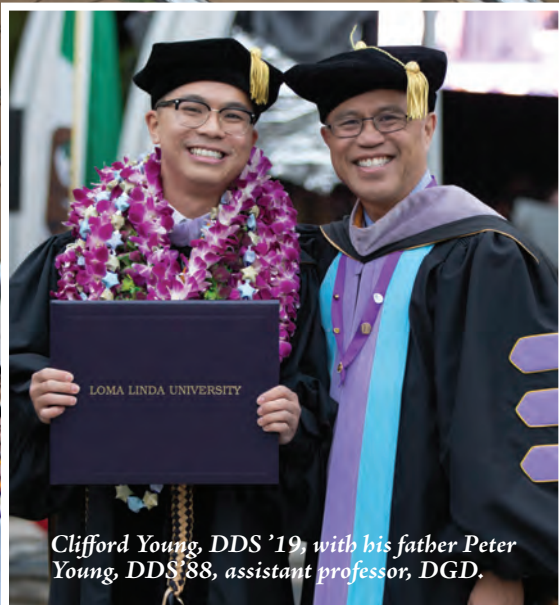
Marching to receive their doctor of dental surgery degrees are (L-R) Matthew Doan, DDS'19, Natasha Elloway, DDS'19, Heather Houston, DDS'19, and Tyler Hendricks, DDS'19.



John Won, DDS'05, head, Division of General Dentistry, leads Alexander Zaykov DDS'19 and fellow DDS candidates to their seats.



International Dentist Program Class of 2019 students anticipate their DDS degrees.



Clifford Young, DDS '19, with his father Peter Young, DDS '88, assistant professor, DGD.



Cara Zhou Hodgson, DDS, holds her MS diploma in orthodontics and dentofacial orthopedics.



DDS and IDP Class of 2019 members applaud the commencement speaker.



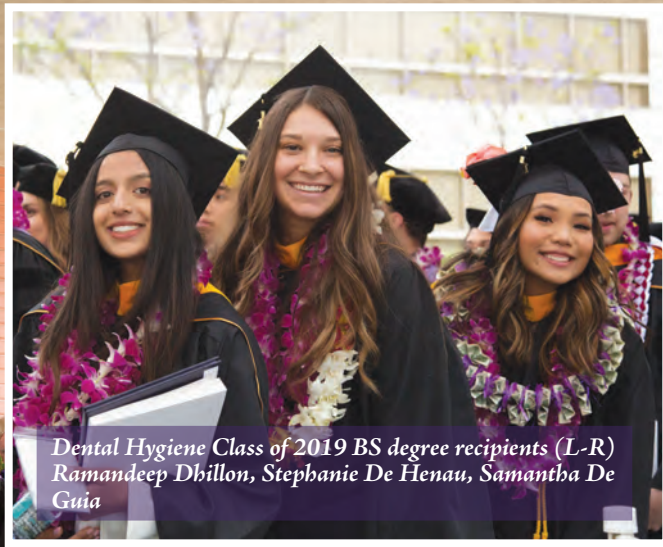
Jeanine Bottoni, DDS'19, basks in her accomplishment.



Samantha De Guia, BS'19 (DH), celebrates her diploma with friends.



Advanced Dental Education Program in Prosthodontics graduates (L-R) Duaij Kh J, S. S. Alazemi, BDS, Cert; Hatem Ahmed Alqarni BDS, MS; Abdulaziz Abdulrahman Alzaid BDS, Cert; Shivani Kanne BDS, MS



Dental Hygiene Class of 2019 BS degree recipients (L-R) Ramandeep Dhillon, Stephanie De Henau, Samantha De Guia



Kevin Salazar, BS'19 (DH) exults



Michael Chan, DDS'19 in celebratory gear



Kirill Trofimov, DDS'19 (IDP)



(L-R) So Ran Kwon, DDS, MS, PhD, MS, program director, Student Research; Yoon-Jeong Kim, DDS, MS'06, associate professor, Department of Periodontics; Holli Riter, DDS'98, associate professor, Division of General Dentistry

RDAEF2 graduates its second class

Fifteen students of the Loma Linda University School of Dentistry Registered Dental Assistant Expanded Functions (RDAEF2) program celebrated their graduation May 5, 2019, in

Dentistry; Mark Estey, DDS'98, assistant dean, Office of Academic Affairs; Perry Burtch, DDS'89, assistant professor, Division of General Dentistry; and Priscilla Choi, DDS'96,



1st row (L-R): Dr. Priscilla Choi, Christine Hill, Arlene Carmona, Ana Diaz, Priscilla Espinoza;
2nd row (L-R): Julio Madrid, Nuria Langan, Liz Barreto, Shawna Ward, Reanna Hernandez, Jeri Fowler;
3rd row (L-R): Jessica Maldonado, Dr. Perry Burtch, Olja Keckojevic, Dr. Holli Riter, Amber Leymen-Randolph;
4th row (L-R): Michael Stanford, Tiffani Holmes (not pictured: Jennifer Kohler)

Prince Hall's 1101 amphitheater where they were presented certificates of completion and embroidered white coats.

The program began June 3, 2018, and finished around noon on Sunday, May 5, 2019, at the conclusion of the morning's final written exams. The 15 graduates' next hurdle was their state board licensure practical exams scheduled at UCLA for June 22, 2019.

Meanwhile, family and friends mingled as graduates said their goodbyes to classmates with whom they had bonded. Instructors Jeri Fowler, CDA, RDAEF2, OA, assistant director, Continuing Dental Education and Alumni Affairs; Holli Riter, DDS'98, associate professor, Division of General

dentistry, Division of General Dentistry, hosted the celebration, expressing pride and admiration for the class' accomplishments.

Most of the RDAEF2 graduates surmounted a rugged year working full time and attending class sessions on Tuesday and Thursday evenings from 5:30 to 9:30 and Sundays from 8:00 to 5:00—some traveling between two and three hours each way from San Diego and Tehachapi.

Because of this sacrifice and effort, says Ms. Fowler, "their clinical skills have grown immensely."

Several of the fifteen graduates already have been hired as RDAEFs even before taking their state board exams.

Hooding tradition continues with class of 2019

Graduating predoctoral and International Dentist Program doctor of dental surgery candidates participated May 24 in LLUSD's second annual Hooding Ceremony at the Loma Linda University Church. The academic hood represents the degree held by the wearer and the institution from which it is awarded. The LLU School of Dentistry's four-foot-long doctoral hoods are lilac—the official color of the dental profession.

After a welcome and prayer, nine student awards were presented followed by a rendition of "Here I Am Lord" performed

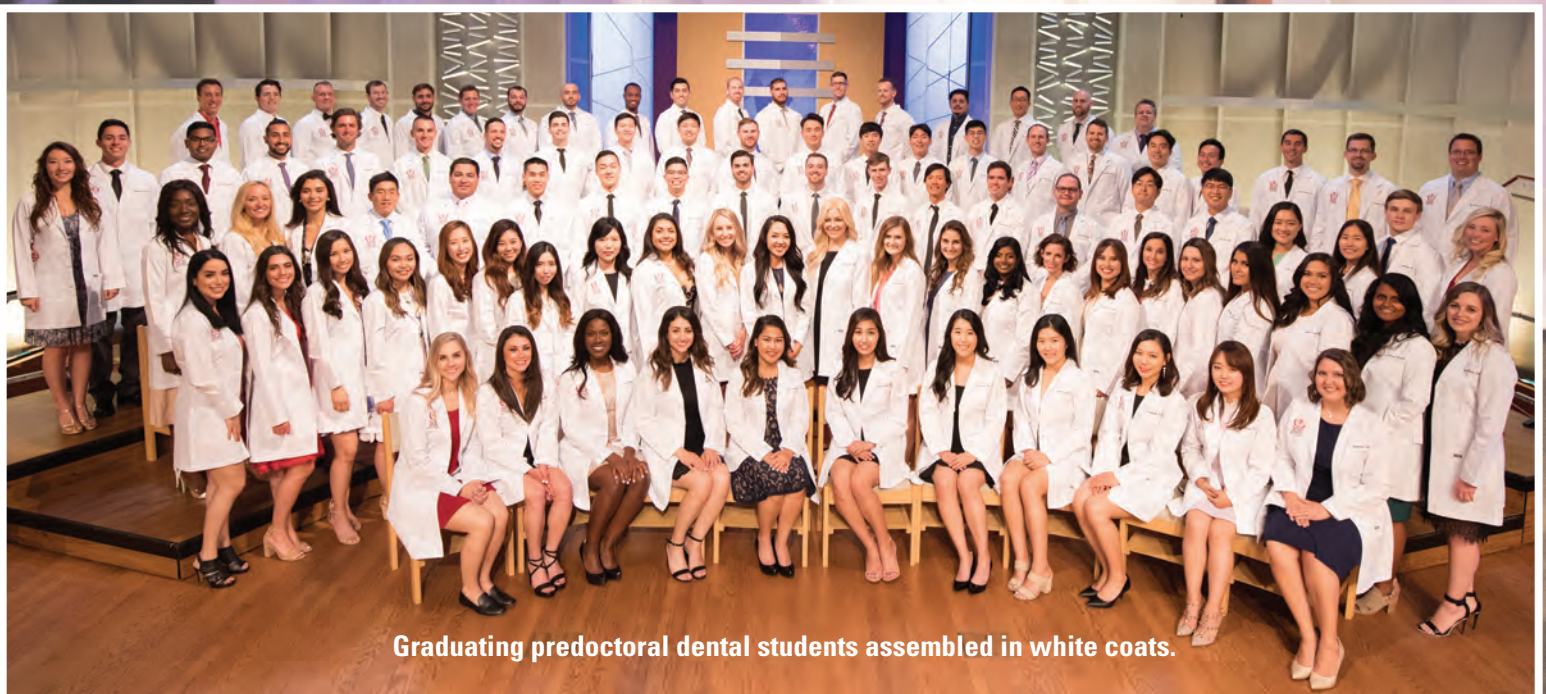
by the D4 Class Vocal Ensemble and accompanied by Justin McAuliffe, before the hoods and white coats were distributed.

As each student was adorned by the faculty of their choosing with a hood that formally signifies their status as dental colleagues, family members stood in approval.

Dean Robert Handsides presided over the Presentation of White Coats for the 2019 class of 97 predoctoral dentistry program students and 25 International Dentist Program students.



International Dentist Program students assembled in graduation robes.



Graduating predoctoral dental students assembled in white coats.

LLUSD officers commissioned and promoted



L-R: Michael Franciscus, DDS'19, Captain, US Army; Alexander Zaykov, DDS'19, Captain, US Air Force; Trenton Fisher, DDS'19, Lieutenant, US Navy; Nicholas Wright, DDS'19, Captain, US Army; Schuler Luce, DDS'19, Captain, US Army

Five graduating LLUSD dental students participated in the Sunday morning, May 26, 2019, Commissioning Ceremony conducted by MAJ Nathan R. Wall, PhD, MVA, MS (CA ARNG), at the Randall Amphitheater.

Guest speaker COL Paul H. Nelson, MD, MPH (USAF) expounded on the theme "Bigger than yourselves . . . the next greatest generation," before administering the Oath of Office and Promotion to a total of eleven officer candidates that included seven from the School of Medicine.

Leslie Arnett, DDS, MS'68, professor, Department of Periodontics, US Navy Lieutenant (Retired), Gary Golden, DDS'76, assistant professor, Division of General Dentistry, Colonel, USAF (Retired), and Clyde Roggenkamp, DDS'70, MSD, MPH, associate professor, Division of General Dentistry, Lt Colonel, US Air Force (Retired) attended in support of the newly commissioned officers.

Family and friends joined the newly commissioned and promoted officers in singing "God Bless America," prior to Dr. Wall's benediction.

Additional 2019 officer commissioning photos are available at: <https://tinyurl.com/y5el288f>

Dental hygiene students pinned

Thirty-six class of 2019 graduating dental hygiene students participated in the Department of Dental Hygiene's annual pinning ceremony presided over by Kris Marshall, BS (DH), MA, chair, Department of Dental Hygiene, Friday evening, May 27, at the Loma Linda Campus Hill SDA Church. Each graduating dental hygiene student was presented with a pin and a rose. Fifteen awards were distributed among 19 different members of the 2019 graduating class (see below).



The dental hygiene class of 2019 assembled at the Loma Linda Hill Church for the Dental Hygiene Department's annual Pinning Ceremony.

Dental hygiene class of 2019 student awards

American Association of Public Health Dentistry
Christopher Martija

Bates Award
Cynthia Gonzales

CDHA California Dental Hygienists' Association
Isabella Idea

Clinician's Award
Joscelyn Rivas

Colgate STAR Award
Melina Lopez

Dean's Award
Emily Brown

Joni Stephens' Preventive Dentistry Award for Research
Ethan Cook, Andrew Galang, Sean Halbo, Tom Nguyen, Youngchul Seo

Klooster Humanitarian Award
Katelyn Black

Middleton Award
Youngchul Seo

Mitchell Award
Hsiang Hsu

NASDAD Award
Marianne Balt, Kevyn Salazar

Service Learning Award
Kevyn Salazar

Sigma Phi Alpha Award
Marianne Balt, Emily Brown, Tanya Viner

Tri-County Dental Hygienist's Society Award
Isabella Idea

Western Society of Periodontology Award
Kayla Niere

STUDENT AWARDS

Student Achievement Awards 2019

During the School of Dentistry's annual senior recognition events, 55 awards were presented and recognized. The awards and their recipients are listed below.

Academy of Dentistry International Student Servant Leadership Award

Michael Chan, DDS'19

Academy of General Dentistry Award

Robert Frey, DDS'19, Danna Tamayo, DDS'19

Academy of Operative Dentistry Award

Kelly Torres, DDS'19

Academy of Osseointegration

Alexander Zaykov, DDS'19

ADA Foundation Colgate Student Research Recognition Award (recognized D3 year)

Claudie Pascal, DDS'19

Alpha Omega Certificate of Academic Achievement

Michael Chan, DDS'19

Alumni Association Award

Claudie Pascal, DDS'19

American Academy of Esthetic Dentistry

Chad McLennan, DDS'19

American Academy of Oral and Maxillofacial Pathology Award

Michael Chan, DDS'19

American Academy of Oral and Maxillofacial Radiology Award

Ambrose Obhade, DDS'19

American Academy of Oral Medicine Award

Schuler Luce, DDS'19

American Academy of Orofacial Pain Award

Krystal Park, DDS'19

American Academy of Pediatric Dentistry

Jenifer Jesson, DDS'19

American Academy of Periodontology

Michael Chan, DDS'19

American Association of Endodontists

Jason Bendas, DDS'19

American Association of Oral and Maxillofacial Surgeons Award

Matthew Doan, DDS'19

American Association of Orthodontists Award

Sumin Kang, DDS'19

American College of Dentists, SoCal Section

Chanica Veranunt, DDS'19

American College of Prosthodontists Award

Alexander Zaykov, DDS'19

American Dental Society of Anesthesiology Horace Wells Award

Sarah Lee, DDS'19

American Student Dental Association

Danna Tamayo, DDS'19

Boyko Award for Christ-like Service

Michael Chan, DDS'19

Brian D. Stone Memorial Award

Chanica Veranunt, DDS'19

California Dental Association Senior Award

Matthew Macheal, DDS'19, Nanditha Rao, DDS'19,

CDA Dental Hygienists' Association Original Research

1st Place: Andrew Galang, BS'19 (DH); Brian Seo, BS'19 (DH); Ethan Cook, BS'19 (DH); Sean Halbo, BS'19 (DH); Tom Nguyen, BS'19 (DH)

CDA Foundation Dental Student Table Clinics

1st Place: Claudie Pascal, DDS'19; Ellin Choi, DDS'20; Clayton Tran, DDS'20

2nd Place: Ambrose Obhade, DDS'19; Jeries Qoborsi, DDS'20; Shant Oroojian DDS'20; George Messiah, DDS'20; Melissa Khoury, DDS'20; Marytza Rios Gonzalez, DDS'20; Samer Gazale, DDS'20; Luke Taylor, DDS'20; Trent Gillard, DDS'20; Alexander Zaykov, DDS'19; Eugenie Choi, DDS'20

3rd Place: Brittany Watu, DDS'20; Nairy Sekayan, DDS'20

Honorable Mention: Lee Miyauchi, DDS'20

Delta Dental Student Leadership Award

Chanica Veranunt, DDS'19

Division of General Dentistry Clinic Awards – DDS'19

Michael Chan, Robert Frey, Elias Gutierrez, Tyler Hendricks, Helen Jia, Craig Johnson, Shevanthi Johnson, Yael Kandinov, Layth Al Yaseen, Mohan Raj Jaganathan, Nihad Askar, Claudie Pascal, Kelly Torres, Nicholas Wright, Aleander Zaykov

Fixed Prosthodontics Award

Jacob Kent, DDS'19

ICOI/Dentsply Pre-doctoral Student Achievement Award

Chad McLennan, DDS'19

International College of Dentists Student Leadership Award

Nadia Barakat, DDS'19

International College of Dentists Student Humanitarian Award

Claudie Pascal, DDS'19

LLU Center for Dental Research Basic Science Award (D2)

Jason Bajwa, DDS'21

LLU IDP Fixed Prosthodontics Award

Mohan Raj Jaganathan, DDS'19 (IDP)

LLU IDP Professionalism Award

Kirill Trofimov, DDS'19 (IDP)

LLU IDP Removable Prosthodontics Award

Kirill Trofimov, DDS'19 (IDP)

National Association of Seventh-day Adventist Dentists

Claudie Pascal, DDS'19, Yoshaw San-Jean Fletcher, DDS'19

Oesterling-Wical Removable Prosthodontics Award

David Dewberry, DDS'19

Omicron Kappa Upsilon (OKU) Awards – DDS'19

Nadia Barakat, Jason Bendas, Michael Chan, Aaron Charpentier, Matthew Doan, Schuler Luce, Lauren Opsahl, Benjamin Radlein, Danna Tamayo, Chanica Veranunt, Alexander Zaykov, Mohan Raj Jaganathan (IDP), Taraneh Nouri (IDP), Parnell Yao (IDP)

OKU, William S. Kramer Award for Excellence (D3)

Matthew Green

Pierre Fauchard Academy Award

Alexander Zaykov, DDS'19

Pierre Fauchard Academy Foundation Scholarship (D3)

Luke Taylor

President's Award

Michael Chan, DDS'19

Prince Award

Justin McAuliffe, DDS'19

SCADA Dentsply Student Clinician (D4)

Krystal Park, DDS'19

Service Learning Awards (DDS'19)

Heather Houston, Kristen Schwieterman, Anna Lee, Luz Trejo

Southern California Academy of Oral Pathology Award

Nadia Barakat, DDS'19

Southern California Society of Dentistry for Children Award

Elias Gutierrez, DDS'19

Tri County Dental Society Certificate of Recognition

Matthew Mechael, DDS'19

Western Society of Periodontology Award

Helen Jia, DDS'19

Wil Alexander Whole Person Care Award

Michael Chan, DDS'19

Wilfred A. Nation Award

Claudie Pascal, DDS'19

Honors Program Recognition

Graduates recognized for Elective Program completion

Nadia Barakat, DDS'19

Pediatric Dentistry

Jason Bendas, DDS'19

Endodontics

Anna Chavez, DDS'19

Orthodontics & Dentofacial Orthopedics

Kristina Fernandez, DDS'19

Oral and Maxillofacial Surgery

Sumin Kang, DDS'19

Orthodontics & Dentofacial Orthopedics

Spencer Nielsen, DDS'19

Endodontics

Krystal Park, DDS'19

Orthodontics & Dentofacial Orthopedics

Nicholas Poovey, DDS'19

Dental Education

Chanica Veranunt, DDS'19

Pediatric Dentistry & Research

Alexander Zaykov, DDS'19

Research



LOMA LINDA UNIVERSITY

School of Dentistry



Dental Unit Waterline Testing and Sterilization Assurance Service

Dental Unit Waterlines Testing Service (DUWLs)

has been in operation since 2000. We evaluate microbial contamination of DUWLs and are actively involved in research on DUWLs biofilm removal and treatment methods. Numerous dental offices, universities, veterans hospitals, medical/dental centers, and over 43 states, and Canada use this service for monitoring the quality of their DUWLs.

What are the advantages of using LLU School of Dentistry's DUWLs service?

- The Standard Method 9215D (membrane filter method) of the American Public Health Association (APHA) is used to examine microbial contamination in DUWLs.
- Multiple dilutions to detect heterotrophic plate count (HPC) bacteria counts up to 20,000 CFU/mL
- 19 years' experience
- Free consultations by experienced staff
- All-inclusive test kit containing sterile sample vials, ice packs, and detailed instructions in insulated test packages
- Test reports sent after the seven-day incubation
- Local customers may deliver samples directly to our research laboratory.

Sterilization Assurance Service (SAS)

was established in 1998. SAS provides biological monitoring of sterilizers for over a thousand dental clinics, community colleges, and medical/dental centers, and other institutions nationwide.

What are some of the advantages of using LLU School of Dentistry's SAS?

- 20 years of experience
- Choice of Basic, BasicPlus, and Intensive spore testing services to help you meet infection control requirements within your budget
- Return envelopes or prepaid envelopes are included based on your choice.
- Option of weekly or monthly reports with available Certificate of Participation
- Failure notification by phone or e-mail on same business day
- Class V integrators for steam sterilizer are available to order. The combined use of spore tests, and STEAMPlus Integrators provide early detection by visually confirming the performance of your sterilizers.



LOMA LINDA
UNIVERSITY
School of Dentistry

Dental Unit Waterline Testing and Sterilization Assurance Service Order Form

Date _____
Dr. Name (Last) _____ (First) _____
Name office _____ (Contact Person) _____
Address _____ City _____ State _____ Zip _____
Phone () _____ Fax () _____ E-mail _____

Sterilization Assurance Service

Customer ID# (for current customers) _____

Sterilizer Type/Model/Serial # _____
(Supplies for each sterilizer must be kept separate for identification purposes)

☐ Steam _____ ☐ Chemical Vapor _____ ☐ Dry Heat _____

Basic (1) One test strip and one control strip per test (2) Return envelopes
(3) Monthly report (4) Failure notification via phone

Price	Quantity	Total
\$89/12 tests	_____	\$ _____
\$119/24 tests	_____	\$ _____
\$169/52 tests	_____	\$ _____
Optional: Certificate of participation \$12/ea		\$ _____
Add \$15 shipping & handling for each package		\$ _____

Basic Plus (1) One test strip and one control strip per test (2) Return envelopes
(3) Weekly report (4) Failure notification via phone

Price	Quantity	Total
\$229/52 tests	_____	\$ _____

Intensive (1) Two test strips and one control strip per test (2) Prepaid return envelopes
(3) Certificate of Participation (4) Report on each test
(5) Failure notification via phone

Price	Quantity	Total
\$128/12 tests	_____	\$ _____
\$298/52 tests	_____	\$ _____

Class V Integrator for Steam Sterilizer (New)

Price	Quantity	Total
\$32/100 tests	_____	\$ _____
\$220/1000 tests	_____	\$ _____

Dental Unit Waterline Testing

Customer ID# (for current customers) _____

Tests	Price/Each	# of Tests	Total
3	\$30	_____	\$ _____
4-8	\$27	_____	\$ _____
9-12	\$25	_____	\$ _____
13-25	\$23	_____	\$ _____
>26	\$22	_____	\$ _____

Optional: Certificate \$12/each \$ _____

- A foam box, ice packs, sample vials, and instructions are included.
- Use APHA Standard Methods 9215D to test DUWLs samples.
- Full dilutions provide accurate Heterotrophic bacteria counts.

Shipping & handling

Priority Mail - starting \$15.00/box

FedEx 2-day - \$36/3-12 tests; \$45/13-40 tests

Check enclosed \$ _____ (made payable to SAS-LLU)

Charge: Total \$ _____ ☐  ☐ 

Name on card _____

Card number _____

Exp. Date ____/____/____ CCV# _____ Invoice# _____

Mail to:

Dental Waterline Testing & Sterilization Assurance Service
Chan Shun Pavilion, Suite A-1005
11175 Campus Street, Loma Linda, CA 92350

Tel: (909) 558-8176, (909) 558-8069

Fax: (909) 558-0307

E-mail: sas@llu.edu

dentistry.llu.edu/sas

Student researchers take majority of CDA table clinic awards

The School of Dentistry's Student Research Program was well represented at the Student Table Clinic Competition during the CDA/CDHA—Anaheim annual meetings May 17, 2019.

LLUSD students received eight awards—including three first place awards—and one honorary mention from among twelve possible awards.

The LLUSD student table clinic presenters were selected from among 19 teams of student researchers that were presented awards for their research projects exhibited during the recent Alumni Student Convention Homecoming.

Student Research director So Ran Kwon DDS, MS, PhD, MS, expressed her “thanks to all our students for their outstanding

work, mentors that have shared their expertise and dedicated extra time to guide our students, and the gracious support of our School administration!”

“Congratulations to all of our participating students,” she added, “You make us very proud!”

This year's LLUSD student table clinics represent a departure from the past in which the student research was conducted exclusively by third-year dental students and graduating year dental hygiene students. This year's projects featured students from among any current class of dental or dental hygiene students as well as volunteers from among dental alumni.



2019 DDS/IDP student researchers with Mr. Udo Oyoyo, MLIS, MPH (far left), and Dr. So Ran Kwon (pink sweater)



Dental Hygiene class of 2019 student research presenters, winners, and mentors pose after the CDHA table clinic competition.

Dental Hygiene



1st Place: "The Use of Glucometers as a Screening Tool in the Dental Office"
Student presenters: Andrew Galalng, Brian Seo, Ethan Cook, Sean Halbo, Tom Nguyen
Mentor: Ms. Shelley Hayton



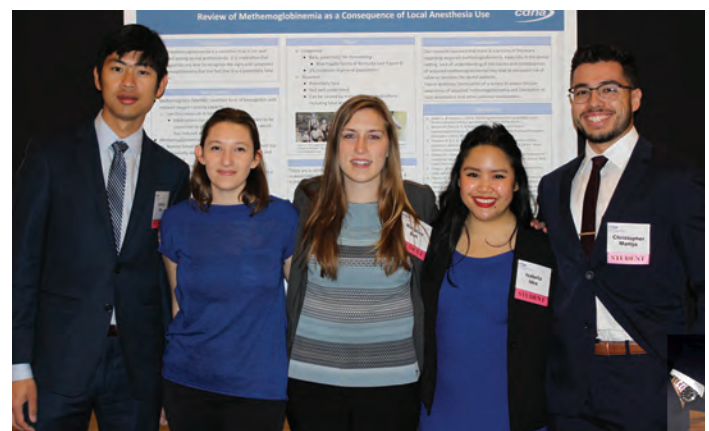
"Oral Health Knowledge and Oral Health Related Quality-of-Life Among Adults Aged 65 years and Above"
Student presenters: Kelsey Martinez, Daniela Chavez (not in photo), Joscelyn Rivas, Caitlin Pedersen, Samantha De Guia
Co-investigator and mentors: Dr. Mohit Jagwani, Dr. Prarthit Mehta, Ms. Shirley Lee, Mr. Udochukwu Oyoyo, Dr. Seth Wiafe, Dr. Tom Rogers, Dr. So Ran Kwon



"Assessment of Students' Knowledge and Perception Related to Caring for the Oral Healthcare Needs of People Living with HIV (PLWH)"
Student presenters: Tanya Viner, Diana Zamora, Katelyn Black, Myrah Moosa
Mentors: Dr. Eun-Hwi Cho, Mr. Udochukwu Oyoyo, Dr. So Ran Kwon



"Analyzing the Factors Contributing to Academic Success in the School of Dentistry"
Student presenters: Leslie Benitez, Ramandeep Dhillon, Kayla Niere, Angie Escalante
Mentor: Ms. Darlene Armstrong



"Awareness of Methemoglobinemia Occurrence"
Student presenters: Sean Hsu, Christina Castillo, Marianne Balt, Isabella Idea, Christopher Martija
Mentor: Ms. Patricia Lennan

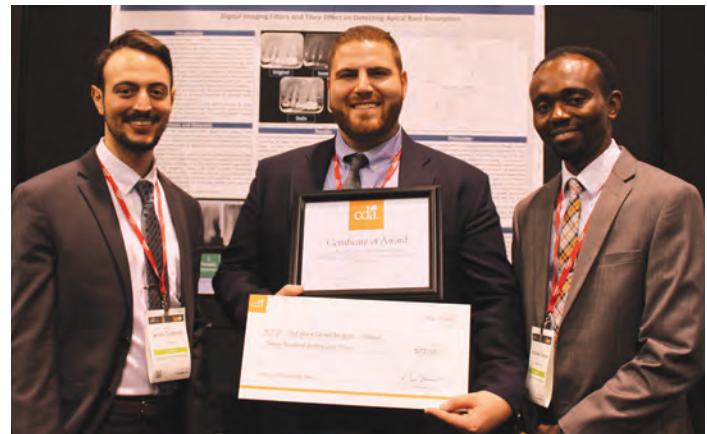
Dentistry/IDP



1st Place, Clinical Category: "Laboratory Model to Evaluate Bleaching Efficacy in Stained vs Non-stained Human Teeth"

Student presenter: *Claudie Pascal (D4)*

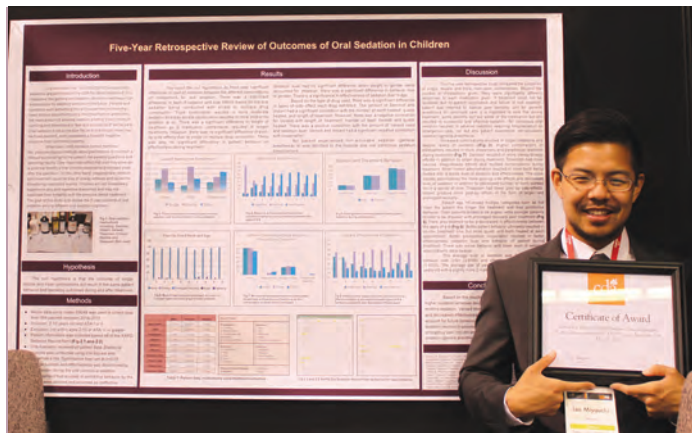
Co-investigator and mentors: *Dr. Prarthit Mehta, Dr. Jeffery Pascal, Mr. Udochukwu Oyoyo, Dr. So Ran Kwon*



2nd Place, Clinical Category: "Digital Imaging Filters and Their Effect on Detecting Apical Root Resorption"

Steven presenter: *Jerjes Qoborsi (D2), Shant Oroojian (D2), Ambrose Obhade (IDP4)*

Mentors: *Dr. Dwight Rice, Dr. Gina Roque-Torres, Dr. Jing Guo*

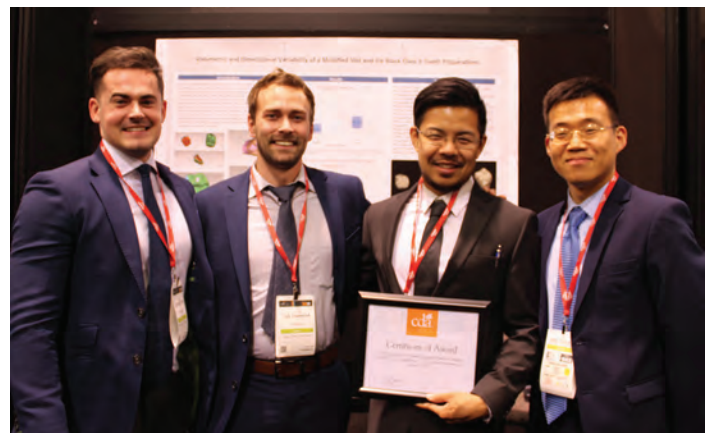


Honorary Mention: "Five-Year Retrospective Review of Outcomes in Combination Oral Sedation in Children"

Student presenter: *Lee Miyauchi (D3)*

Mentor: *Dr. Jung-Wei Chen*

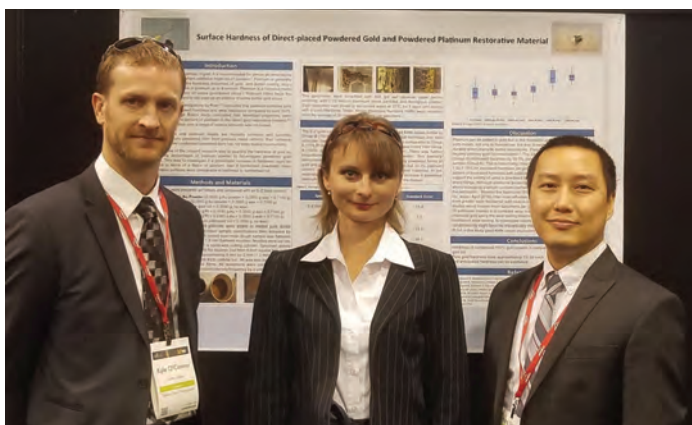
Philip Paik: presented on behalf of Lee Miyauchi



"Reproducibility of BioClear Class II Preparation in Comparison to Traditional GV Black Class II Preparation"

Student Presenters: *Spencer Gibbs, Taft Memmott, Philip Paik, David Chung (all D3s)*

Mentor: *Dr. Brian Goodacre*



"Surface Hardness of Direct-placed Powdered Gold and Powdered Platinum Restorative Material."

Student presenters: *Kyle O'Connor, Liudmyla Humen, Hung Nguyen, (all D3s)*

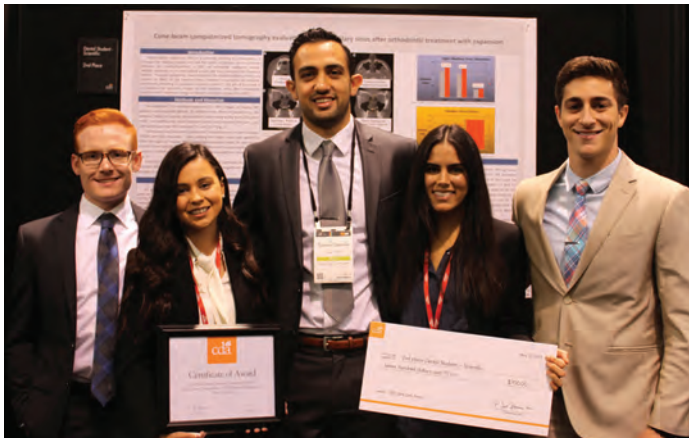
Mentor: *Dr. Clyde Roggenkamp*



1st Place, Scientific Category: "Synthesis and Testing of an Experimental Bleaching Agent"

Student presenters: *Ellin Choi (D3), Clayton Tran (D3)*

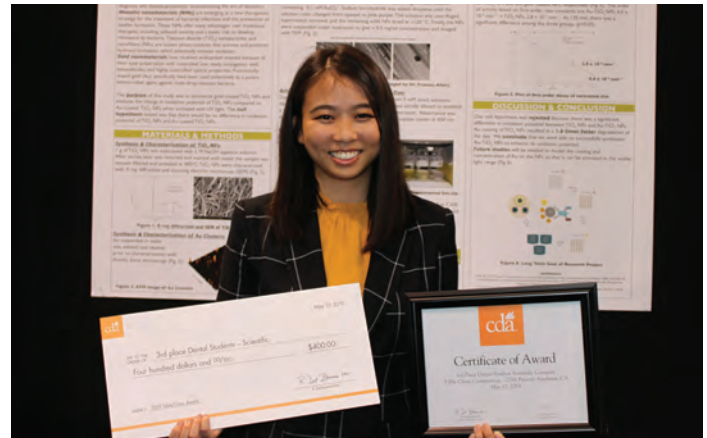
Co-investigator and mentors: *Brittany Watu (D3), Dr. Christopher Perry, Dr. So Ran Kwon*



2nd Place, Scientific Category: "Evaluation of the Maxillary Sinus after Orthodontic Treatment with Expansion by CBCT"

Authors: Luke Taylor, Mary Rios Gonzalez, Samer Gazale, Melissa Khoury, George Messiah (all D3s)

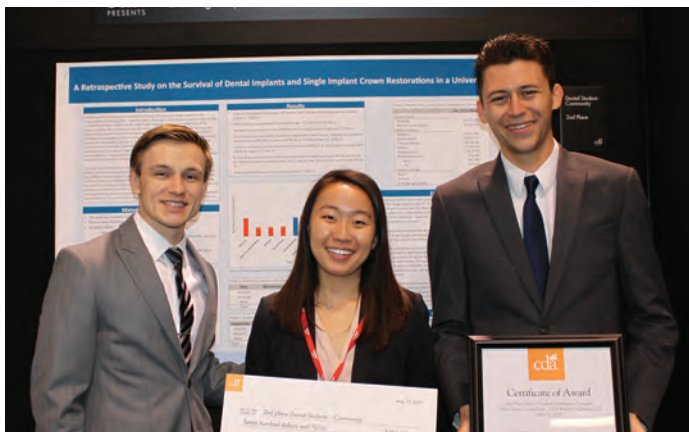
Mentors: Dr. Gina Roque-Torres, Dr. Kitichai Rungcharassaeng, Dr. Joseph Caruso



3rd Place Scientific Category: "Effect of Gold Coating on Oxidation Potential of Titanium-Oxide Nanofibers"

Student presenter: Brittany Watu (D3)

Co-investigator and mentors: Ellin Choi (D3), Clayton Tran (D3), Dr. Christopher Perry, Dr. Ryan Sinclair, Dr. Kevin Nick, Dr. So Ran Kwon



2nd Place Community Category: "A Retrospective Study on the Survival of Dental Implants and Single Implant Crown Restorations in a University Setting"

Student presenters: Alexander Zaykov (D4), Eugenie Choi (D1), Trent Gillard (D3)

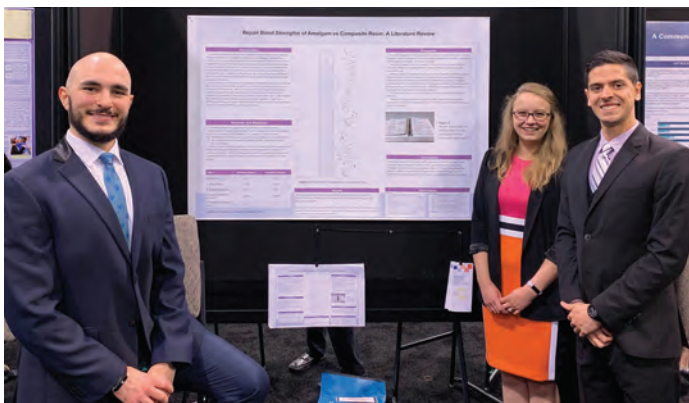
Mentors: Mr. Udochukwu Oyoyo, Dr. Paul Richardson, Dr. Montry Suprono



3rd Place Community Category: "Geographic Variation of Implant-Failure in the U.S"

Student Presenter: Nairy Sekayan (IDP3)

Co-investigators and mentors: Eunice Jong (D4), Kristina Fernandez (D4), Dr. So Ran Kwon, Mr. Udochukwu Oyoyo



"Repair Bond Strengths of Amalgam vs Composite Resin: A literature review"

Student presenters: Dimitri Haber, Jennie Caldwell, Daniel Salazar, (all D3s)

Mentors: Mr. Udochukwu Oyoyo, Dr. Clyde Roggenkamp

NEWS

NASDAD introduces *Changing Lives: The Story of Dental Mission Service at Loma Linda University*

NASDAD was established in 1943 by a few like-minded Seventh-day Adventist dentists for the express purpose of encouraging the General Conference of SDA to found a school of dentistry on the Loma Linda University campus.

Seventy-six years later, the National Association of Seventh-day Adventist Dentists has published its first book, *Changing Lives: The Story of Dental Mission Service at Loma Linda University*, that celebrates the ultimate success of its lobbying effort—the extensive, compassionate, oral healthcare provided by alumni of the LLU School of Dentistry to “the least of these” all over the world.

The compelling stories captured in *Changing Lives* represent the realization of NASDAD’s effort not only to establish the School but of the graduates whose service embodies the reason for its establishment. *Changing Lives’* stories exemplify 64 years of dental care to myriad underserved locations.

And exemplify they do. In the coffee table book’s 148, four-color pages, the service of thirty-some LLUSD dental professionals to otherwise care-forsaken places on six continents are limned by the just-so, evocative language of Edna Maye Loveless, PhD.

Changing Lives’ heartfelt stories of sometimes harrowing experiences that in every case left the objects of care so much better off than they were leave the reader wanting to know more, to hear the rest of these stories—amalgams of faith, adventure, and service.

- A veteran of the Korean Conflict, and a graduate of LLUSD’s inaugural class, returned with his wife to the war-torn country and stayed for 18 years, raising three daughters and becoming director of the Far East Division’s 40 dental clinics.

- The dental career of an LLUSD alumnus (class of 1960) got off to a painful start, until he found himself in Bangkok taking the Thai dental boards and providing services for eight years that included lengthy raft trips to rural areas devoid of dental care. All of that before he became an administrator in turns of LLU’s School of Public Health, its School of Dentistry, and of the General Conference International Dental Services.

- An LLUSD graduate (class of 1969) spent 10 years in Pakistan interrupted by a five-year break at the indigenous mission field of Monument Valley. In Pakistan he served ambassadors, diplomats, missionaries and, on alternate days, the indigent. At this warranty-free zone, he became his own electrician and an x-ray equipment repairman. Since 2002, as director, International Dental Affairs, he has visited more than 70 Adventist dental clinics in 65 countries.



- A dentist and a dental hygienist couple, both LLUSD graduates (class of 1961 and 1971), saw the need and the opportunity at the fall of the Soviet Union (especially with her fluency in Ukrainian and Polish) to bring an upgrade to Russian dentistry, particularly preventive dental measures, especially to 50 Russian dentists who practice on the 2,200-mile Volga River.

Changing Lives may represent to some readers more than a tribute to the perseverance of these School of Dentistry alumni who have made overseas service their calling. For some LLUSD graduates it may provide the little nudge they need to reorder their priorities and say, “Send me.”

To find out more about *Changing Lives*, call NASDAD at 909-558-8187 or email at: NASDAD@llu.edu

Gloria Ramirez: 45 years of service

After 45 years of employment at LLUSD, Gloria Ramirez says, "I get to sleep in; I have a no-stress schedule."

It was during a visit to her dentist's office that teenager Gloria thought, "This is where I would like to work." After completing a dental assistant program, where she earned her CDA and RDA licenses, she came to LLUSD in 1972, joining the DAU/TEAM program to teach four-handed dentistry to predoc students in the clinic. "I loved working with the students," she says. The experience made her adept at the multiple tasks performed in a dental setting that included greeting and screening patients. She taught students the basics in radiology.

Moving from the predoc clinic to the Surgery Center, she spent several years as the manager of that clinic working with faculty, nurses, residents and staff.

In 2000, Gloria returned to the predoc clinic to manage 14 coordinators, working with predoc students and faculty.

Managing the patient care coordinators in the clinic, each in charge of approximately 30 students, Gloria now had a private office, but she observed her bosses' directive, "Make yourself available." She circulated among the operatories, dealing with patients, students, and coordinators.



Ms. Gloria Ramirez

Later in her career at LLUSD Gloria served as an auditor of patient records prepared by predoctoral students. Gloria's dental experience provided terminology needed to assess student reports on dental methods and procedures. Checking for accurate entries on patient records, she became part of the educational team, notifying students about problem entries needing correction.

Gloria admits she misses daily opportunities to see her son Gabriel, who has worked in the patient business office of LLUSD for 20 years. She encourages high school graduates to explore dental professions. Dental health providers "help people," she says, and promising new procedures and materials make dental care such a life-enhancing option.

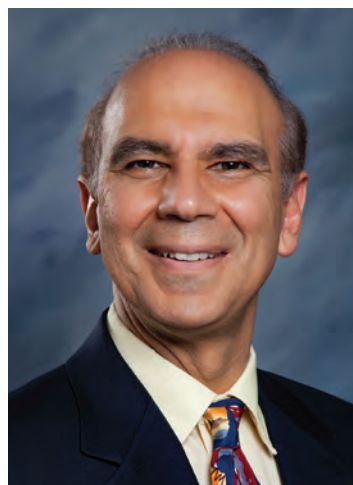
Gloria is adjusting to reminders from her husband, recently retired Sgt. Ray Marieth, deputy sheriff, "We no longer have to adhere to a rigid schedule with demands that say, 'Today we wash, tomorrow we shop, the next day we pay the bills.'" Gloria admits she's relaxing as her attention turns to day trips and house projects. And yes, she remains her family's dental advisor.

Gloria doesn't regret at all her decision to work with the dentists at LLUSD.

LLUSD and LLUSM collaborate on research

Ahmed Khoht, DDS, MSD, professor, Periodontics, School of Dentistry, and Denise Bellinger, PhD, associate professor, Pathology and Anatomy, School of Medicine, are recipients of the LLU Faculty Interdisciplinary Translational Research Grant (FIT) Award for 2018 for their collaboration entitled, "Effect of HIV Infection and ART on the Subgingival Microbiome."

Experienced reviewers scored applications in six categories including overall impact. Based on the combined scores, a selection was made that fulfills the University's goal to encourage collaborative research.



Dr. Ahmed Khoht



Dr. Denise Bellinger

NEWS

Kattadiyil and Baba receive Society of Scholars medallions

Mathew Kattadiyil, BDS, MDS, MS, program director, Advanced Dental Education Program in Prosthodontics, and Nadim Baba, DMD, MSD, professor, Advanced Specialty Education Program in Prosthodontics, were awarded Society of Scholars medallions at the December 14, 2018, Faculty Advance Seminar.

Society of Scholar medallions are awarded faculty members who have published 50 or more papers in professional and peer reviewed journals.



Dr. Mathew Kattadiyil



Dr. Nadim Baba

RDAEF Expanded Duties Program

This comprehensive Board-approved RDAEF program provides 410 hours of instruction for RDAs and 318 hours of instruction for existing RDAEFs. It combines didactic, hands-on laboratory and live patient clinical experiences that satisfy the California Dental Board's requirements for new and existing RDAEFs who wish to expand their licensure in preparation for earning certification in the new extended functions.

This RDAEF Expanded Course will be taught as a series of three individual courses (modules) that must be successfully completed in a designated sequence within an established time frame before taking the new State Board Examination. Modules can be paid individually and sessions will be offered on Sundays and evenings to better accommodate working adults.

To successfully complete the program and be eligible to sit for the new State Board Examination, participants are required to pass all three modules with a minimum 75% pass rate.

Financial Aid: Loma Linda University Continuing Dental Education is now offering funding available to qualified individuals through the **"Sallie Mae Smart Option Student Loan"** program. These are low interest student loans in which you can choose between 3 repayment options. Apply online and it only takes approximately 15 minutes to get a credit result. The site is NOW LIVE & ready to go! Please visit the Sallie Mae website for more information.

Module 1

Fee: \$4,700 | CDE Credits: 104

July 7, 2020 - Sept. 27, 2020 (19 class sessions)

July 7, 9, 12, 19, 21, 23 / Aug. 2, 4, 6, 16, 18, 20, 30 / Sept. 1, 3, 13, 15, 17, 27, 2020

Module 2

Fee: \$6,300 | CDE Credits: 128

Sept. 29, 2020 - Dec. 20, 2020 (24 class sessions)

Sept. 29 / Oct. 1, 11, 13, 15, 25, 27, 29 / Nov. 8, 10, 12, 15, 17, 19, 22, 24 / Dec. 1, 3, 6, 8, 10, 13, 15, 20, 2020

Module 3

Fee for Licensed RDAEFs: \$6,000 | CDE Credits: 104

Fee for RDAs: \$7,000 | CDE Credits: 180

Jan. 5, 2021 - May 9, 2021 (30 class sessions)

Jan. 5, 7, 10, 17, 19, 21, 31 / Feb. 2, 4, 14, 16, 18, 28 / March 2, 4, 14, 16, 18, 28, 30 / April 1, 4, 13, 15, 18, 20, 22 / May 4, 6, 16, 2021

All three modules can be paid with payments, with balance due 10 days before the end of each module.

To register call: LLUSD Continuing Education Ph: (909) 558-4685 | F: (909) 558-0835 or go to dentistry.llu.edu/rdaef

Jeong Suk Kim awarded Pierre Fauchard Teacher of the Year

Jeong Suk Kim, DDS, MSD, PhD, assistant professor, Division of General Dentistry, was presented with the Teacher of the Year Award by the Pierre Fauchard Academy (PFA) at the Anaheim Convention Center during the PFA's recent annual meeting held May 17, 2019, concurrent with the 2019 CDA/CDHA annual meetings in Anaheim, California.



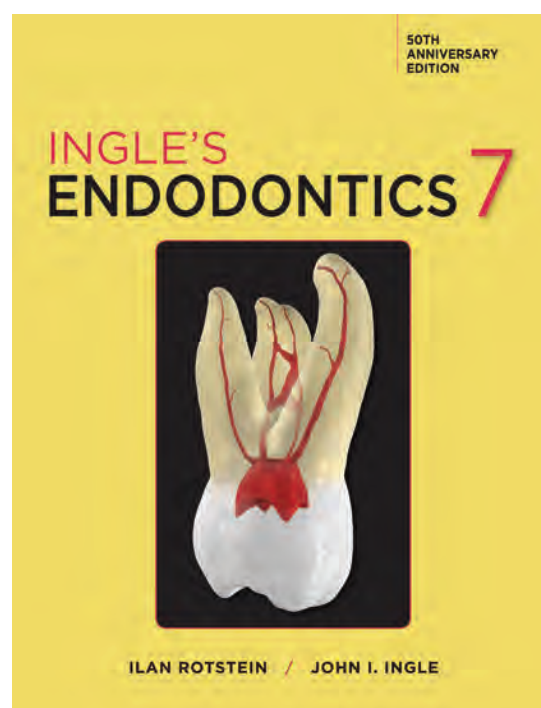
Dr. Jeong Suk Kim

LLUSD connections to Ingle's Endodontics

Loma Linda University School of Dentistry graduates and faculty members over the years have made significant contributions to *Ingle's Endodontics*, often referred to as the "Bible" of that dental specialty. Its publisher has just released a new, two-volume edition—*Ingle's Endodontics 7*, edited by Ilan Rotstein, DDS, professor of endodontics, Herman Ostrow School of Dentistry, University of Southern California and John I. Ingle, DDS, MSD.

Beyond the direct contribution of Dr. Ingle, who served for a number of years (1983-2015) as a lecturer in the LLUSD Department of Endodontics, the School of Dentistry's connection with the work includes a number of chapters contributed by LLUSD graduates, faculty members, and teaching alumni. They include Nadim Baba, DMD, MSD, professor of prosthodontics; Leif K. Bakland, DDS'63, distinguished emeritus professor of endodontics; Charles Goodacre, DDS'71, MSD, distinguished professor of prosthodontics; John Munce, DDS'78, PG'88, assistant professor of endodontics; Clifford Ruddle, DDS, lecturer in endodontics; Shahrokh Shabahang, DDS, MS'97, PhD, associate professor of endodontics; and Roderick Tataryn, DDS'89, MS'94, lecturer in endodontics.

Dr. Bakland, a longstanding friend of Dr. Ingle and his wife Joyce Ledgerwood Ingle, also served as co-editor of the volume's 4th, 5th, and 6th editions.



NEWS

Mathew Kattadiyil installed as president, Pacific Coast Society for Prosthodontics

Mathew T. Kattadiyil, BDS, MDS, MS, program director, Advanced Dental Education Program in Prosthodontics, was installed as president of the Pacific Coast Society for Prosthodontics during its 84th Annual Meeting, June 19-22, at the Silverado Resort & Spa in Napa County.



Dr. Mathew Kattidiyil

The LLUSD Price Family Imaging Clinic is pleased to announce the arrival of a new J. Morita X800 CBCT unit. Final installation checks were completed and patient care using the new technology commenced April 19, 2019. For those interested, a few performance highlights:

- True panoramic-radiographic mode
- High resolution, small field of view for endodontic or single tooth applications (similar to the older J. Morita unit that is still available for use)
- Single and dual arch field of view options
- TMJ imaging
- Guided surgery scans

Imaging supervisor Karen Lane, BA (RDA, CDA), is excited about the capabilities of the X800 and looks forward to helping the clinic's constituents with their imaging needs. Ms. Lane says that training sessions will be available on the use of the OneVolume viewer that comes with the scans. "It is a user friendly imaging viewer that allows detailed image evaluation and basic diagnostic planning," she explains.

The Imaging Clinic will continue to export the DICOM volumes as it currently does so that clinicians can use third party viewing and guided surgery software.



J. Morita X800 CBT unit

Khachatourian receives Spiritual Life Service Recognition Award

Christina Khachatourian, supervisor, Clinic Supply, was awarded Loma Linda University's Spiritual Life Service Award on May 8, 2019 at the School of Dentistry's chapel service in the LLU Church.

The award was decided formally on April 26 at the UCLA Lake Arrowhead Conference Center, during the 2019 Spiritual Executive Leadership Committee Annual Retreat.

Committee co-chair Ronald Forde, DDS, assistant professor, Division of General Dentistry, provided examples of comments from letters of support written by Mrs. Khachatourian's School of Dentistry co-workers:

One of them described Mrs. Khachatourian as "one person who exemplifies Loma Linda University's core values of compassion, integrity and excellence" and as "an angel here on earth."

Another believed that "For the School of Dentistry to acknowledge her for her heart and actions is well merited and truly heartwarming."

Still another wrote, "Christina is a true example of a Christian



Dr. Ronald Forde, Ms. Christina Khachatourian, and Ms. Shelly Hayton

woman. She has great insight and . . . has such a passion and kindness for our students. . . . We have been blessed that she represents us and Christina gives one pause to check one's self on how you are living your life."

Gregorius and Turner inducted into Pierre Fauchard Academy

Wendy Gregorius, DDS'07, adjunct professor, Advanced Dental Education Program in Prosthodontics, and Rodney Turner, DDS'84, assistant clinical professor, Dental Educational Services, were inducted as fellows into the Pierre Fauchard Academy (PFA) at the PFA annual meeting held May 17, 2019, concurrent with the 2019 CDA/CDHA annual meetings at the Anaheim Convention Center in Anaheim, California.

PFA fellowship is extended to candidates in the United States or its territories by invitation exclusively to members in good standing of the American Dental Association—ethical dentists who have made outstanding contributions to the art and science of dentistry or to society.



Dr. Wendy Gregorius



Dr. Rodney Turner

FOND FAREWELLS

The LLU School of Dentistry mourns the loss of each passing alumnus and attempts to notify the School family of each departure. As a Christian institution, we look forward in faith to the day when there will be a great alumni reunion that brings us all together again.

With our condolences



John A. Butler, DDS'59	March 26, 2019
Kenneth Chaffee, DDS'80	June 23, 2019
Wendell K. Danielson, DDS'59	March 3, 2019
William W. Darwin, DDS'81	March 19, 2016
William Leon Dillard, DDS'61	October 23, 2018
Gayle J. Glantz, DDS'84	November 9, 2015
Bruce Arthur Huff, DDS'63	February 20, 2019
Lloyd Johnson, DDS'61	May 11, 2019
M. Eugene Lysinger, DDS'62	July 1, 2019
James A. Libby, DDS'77	March 10, 2019
James Reggie Padgett Jr., DDS'82	January 27, 2019
Darrell LeRoy Rich, DDS'70	June 19, 2019
William L. Stanford, DDS'58	January 14, 2019
O. Kenneth Suelzle, DDS'61	April 10, 2019
Janelle D. Teichman, BS'85 (DH)	March 19, 2019

Upcoming CE Courses



Orthodontic Assisting Permit Program

Sunday, September 2, 2019

Hot Topics in Infection Control and the California Dental Practice Act

Sunday, September 29, 2019

Dental Caries: A disease of choice?

Sunday, October 6, 2019

Local Anesthesia: Give it your best shot

Sunday, November 10, 2019

The Good, the Bad and the Ugly: A review of a wide array of oral lesions.

Sunday, November 17, 2019

Advanced Posterior Composite Restorations- Biomaterials and Techniques

Sunday, January 12, 2020

Topic and Title to be Determined

Sunday, January 26, 2020

From Smile Analysis to Occlusion: Creating harmony between anterior guidance and esthetics (how the front end and the back end of the mouth work together)

Sunday, March 8, 2020

Medical Emergencies in the Dental Office: A simple approach

Sunday, March 15, 2020

Topic and Title to be Determined

Sunday, March 29, 2020

Anesthesia/Pain Control

Sunday, April 5, 2020

Loma Linda University Cleft Lip and Palate Symposium

Jung-Wei Chen, DDS, MS, PhD

Program Director, Advanced Education, Pediatric Dentistry
Professor, Pediatric Dentistry, Loma Linda University School of Dentistry
The Presurgical Nasal Alveolar Molding Appliance (PNAM)

Robin Clark, MD

Professor, Pediatrics
Professor, Pathology and Human Anatomy
Loma Linda University School of Medicine
The Genetics of Cleft Lip: The sporadic, the syndromic and the stubbornly undiagnosed

Eric Elick, SLP

Speech Pathologist, Specialty Team Centers
Loma Linda University Children's Hospital
What is Velopharyngeal Insufficiency?

Gabriela Garcia, DDS, MS

Associate Professor, Orthodontics
Loma Linda University School of Dentistry
Orthodontic Treatment

Daniel Lamb, MD, FAAP

Assistant Professor, Pediatrics
Loma Linda University School of Medicine
Care of the Patient with Cleft Lip and Palate- The General Pediatrician's Perspective

Mark Martin, MD, DMD

Professor, Plastic & Reconstructive Surgery
Loma Linda University School of Medicine
Plastic Surgery During the First Year of Life, Including Gingivoperiosteoplasty

Bonnie Nelson, DDS

Chair, Pediatric Dentistry
Associate Professor, Pediatric Dentistry
Loma Linda University School of Dentistry
Pediatric Dentistry

Andrea Ray, MD

Associate Professor, Plastic & Reconstructive Surgery
Loma Linda University School of Medicine
Secondary Surgery

Jui-Min Su, DDS, MS

Assistant Professor, Restorative Dentistry
Loma Linda University School of Dentistry
Prosthodontic Consideration and Treatments for Cleft Lip and Palate Patients at Different Stages of Life

Heather Woolard, MS

Pediatric Speech Language pathologist, Specialty Team Centers
Loma Linda University Children's Hospital
Feeding and Swallowing Issues of the Cleft Baby

For more information or to register, contact LLUSD Continuing Education 11245 Anderson Street, Suite 120 Loma Linda, CA 92350
Ph: (909) 558-4685 | F: (909) 558-0835 | dentistry.llu.edu



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School of Dentistry

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ALUMNI STUDENT CONVENTION

homecoming

***Thursday, March 5, 2020
through
Monday, March 9, 2020***

To register call LLUSD Continuing Education at (909) 558-4685 or visit dentistry.llu.edu