UCLA School of Dentistry gets $5M from NIH to train future leaders in oral health research

In recent years, faculty at the UCLA School of Dentistry has been expanding the traditional boundaries of dentistry through groundbreaking multidisciplinary research that has led to major advances in every field, from stem cell science to saliva diagnostics. Now, a $5 million grant from the National Institutes of Health's National Institute of Dental and Craniofacial Research will allow the school to continue these pioneering efforts by creating a comprehensive research training program to help cultivate the next generation of dentist–scientists and oral health researchers.

The grant — now in its fourth cycle and third renewal since 1997 — establishes a pipeline that transforms dentists into leaders in science and research who will advance the oral health field and the dental profession. And while prior grant cycles allowed only U.S. citizens and permanent residents to participate in the training programs, the new five-year grant for the first time enables foreign dentists to benefit from the NIH funds.

This grant renewal is exciting because it allows us to open up the training positions to an international pool of dentists,” said Dr. David Wong, the school’s associate dean of research and the Felix and Mildred Yip Endowed Professor in the division of oral biology and medicine.

This grant echoes the overall culture and environment of the UCLA School of Dentistry, as we are known throughout the world as a leader in academic excellence, and many talented foreign dentists come here to obtain a PhD or do postdoctoral training,” said Dr. No-Hee Park, dean of dentistry and regenerative medicine.

The grant-funded program includes a number of training tracks, including a dentist–scientist program designed for dentists pursuing a doctoral degree who can subsequently go on to postdoctoral work with the intention of becoming research-committed faculty members. Additional tracks are designed for individuals pursuing a PhD or postdoctoral training and focus on grooming future oral health-researchers.

Trainees accepted into the programs will be mentored by current UCLA School of Dentistry faculty members in four areas in which the school has centers of excellence: oral cancer and cancer biology, bone biology and bioengineering, microbiology and immunology, and stem cell and regenerative medicine.

“This grant is an unprecedented opportunity for dentists who have the desire to go on to become researchers and scientists,” said Dr. No-Hee Park, dean of the UCLA School of Dentistry. “Some of our past trainees who have come out of previous NIH grants are now full-time faculty members whose work is impacting the oral health field on a regional, national and even international level.”

The UCLA School of Dentistry is dedicated to improving the oral health of the people of California, the nation and the world through its teaching, research, patient care and public service initiatives. The school provides education and training programs that develop leaders in dental education, research, the profession and the community, conducts research programs that generate new knowledge, promote oral health and investigate the cause, prevention, diagnosis and treatment of oral disease in an individualized disease—prevention and management model, and delivers patient-centered oral health care to the community and the state.

(Source: UCLA School of Dentistry)
Dr. John Russo created and prepared the scientific program for the Orlando World Congress. A diversified and international faculty will honor this World Congress, he said. The complete scientific program is as follows:

Thursday, September 20
Afternoon session host: Dr. John Russo
12:45 to 1:00 p.m. — Opening comments, Drs. Kenneth Judy, Jon Suzuki and John Russo
1:00 to 1:20 p.m. — Dr. Michael Pikos: “Alveolar Ridge Regenerative Strategies – Autogenous Bone vs. Tissue Engineering”
2:00 to 3:00 p.m. – Dr. Richard Kraut: “Predictable Horizontal and Vertical Bone Augmentation of the Alveolar Ridges”
3:30 to 3:50 p.m. – Break with exhibitors
3:30 to 4:30 p.m. – Dr. Jon Suzuki: “Clinical Advancements in Implant Regeneration Surgery”
9:30 to 10:30 a.m. – Dr. Kenneth Hebel: “The Revolutionary Digital Denture: A Game Changer for Implant Dentistry”
6:30 to 8:00 p.m. – Tabletop and Poster Presentations/Welcome Reception

Friday, Sept. 21
Morning session host: Dr. Thomas Ford
8 to 9 a.m. — Dr. Craig Misch: “Emerging Trends in Methods and Materials for Bone Augmentation”
9 to 10 a.m. — Dr. Edwin McGlumphy: “The Idiometric Maxilla: Questions and Answers To Current Implant Controversies”
10 to 10:30 a.m. – Break with exhibitors
10:30 to 11:30 a.m. – Dr. Robert Marx: “The Effective Use of (rhBMP-2) in Ridge Augmentation”

Afternoon session host: Dr. Thomas Ford
2:30 to 3:30 p.m. – Dr. Fred Bergmann: “Current Protocol of Bone and Soft-Tissue Management in the Atrophic Alveolar Ridge for the Long-Term Esthetic and Functional Outcome”
3:30 to 4:30 p.m. – Break with exhibitors
4:30 to 4:45 p.m. – Dr. Scott Ganz: “A Comparison of Interactive Software Applications in Assessing the Reality of Anatomy: Diagnostics and Implant Planning Accuracy”
4:45 to 5:00 p.m.— Dr. Ady Pattly: “Soft-Tissue Management for Esthetic Results with Modified Abutments. A New Concept for the Daily Practice”
5:00 to 6:00 p.m. – Dr. Mariano Herrera Climent: “Surgical Decision Making in Esthetic Implant Dentistry”
6:00 to 6:30 p.m. – Dr. Konstantinos Valavanis: “Perimplant Tissue Design: Parameters and Key Factors for Optimum Esthetics”
6:30 to 7:30 p.m. — Closing comments, Drs. Jon Suzuki and John Russo

A large number of sponsored pre- Congress courses will be offered on Thursday morning, Sept. 20.

The event’s Gold Sponsors, DENTSPY IMPLANTS and MIS, will provide hands-on courses.

Dr. Kim, and his sponsor, DENTSPY, will wow attendees with his course on “Mastering Clinical Digital Photography,” organizers said. Among other things, this course will instruct attendees on mastering the techniques for surgical and cosmetic operative documentation purposes.

MIS’s representative, Dr. Amos Yahav, will cover “Bone Augmentation and Ridge Preservation for Implant Placement,” utilizing bone-grafting materials and hard tissue models for hands-on experience.

Silver Sponsors will also conduct pre-congress courses, starting with Osteogenics and Dr. Michael Pikos, whose top-
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BIOMET 3i marks 25th anniversary

BIOMET 3i, a world leader in oral reconstructive devices, is pleased to announce its 25th anniversary.

Founded as Implant Innovations Inc. (“3i”) on May 27, 1987, by Dr. Richard Lazzara, a periodontist, and Keith Beaty, an engineer, the company has grown to 1,000 employees with its global headquarters located in Palm Beach Gardens, Fla. BIOMET 3i is recognized, the company says, for its cutting-edge product innovations in the development of biologically driven implants, winning worldwide acclaim for the microtextured surface of the OSSEOTITE® Implant, which has more than 15 years of documented research. More recently, BIOMET 3i introduced a Bone Bonding® NanoTite™ Surface with a complex architecture at the nano-scale, which produces a mechanical interlocking of the newly formed cement line matrix of bone with the implant surface. BIOMET 3i has also been recognized, the company says, for its contributions to new dental technologies, such as digital dentistry, with the development of its patented BellaTek™ Encode® Impression System. At the core of this system is the BellaTek Encode Healing Abutment, which incorporates special codes embedded on the occlusal surface that translate the dental implant information needed without the clinician having to make an implant level impression.

In addition, the impression of the BellaTek Encode Healing Abutment can now be taken with an intraoral scanner, allowing for a quicker, more comfortable impression process for the patient.

Superior customer service and supporting continuous learning for dental health care providers have been at the core of the BIOMET 3i business, the company says. This includes the recent launch of the new Institute for Implant and Reconstructive Dentistry (IIRD®), a state-of-the-art learning facility located in Palm Beach Gardens, Fla., with affiliated locations in Mexico and Italy that combines leading-edge technology with evidence-based dentistry.

BIOMET 3i has been a leader in the dental industry for 25 years through continuous innovation, education, new market expansion and long-standing relationships with global dental schools and societies. BIOMET 3i will continue to focus on solutions that help to optimize dental care for patients, continuing to make implant dentistry a more widely-accepted form of treatment. More specifically, BIOMET 3i will continue to focus on sustainable esthetics, accelerated treatment times, digitally driven patient and practice management and comprehensive tissue management.

“My dream to better the lives of patients through scientific, evidence-based research has now been fully realized. At BIOMET 3i, our primary goal is to provide clinicians and their patients the simplest, most esthetic outcomes. I couldn't be more proud of what we've accomplished throughout the past 25 years,” Lazzara said.

BIOMET 3i will be celebrating this milestone at key events throughout 2012.

“It's a pleasure to continue Dr. Lazzara's vision,” President Maggie Anderson said. “The strategies and mission of the founders continue to resonate in everything that we do. We look forward to another 25 years of successful innovations.”

About BIOMET 3i

BIOMET 3i is a leading manufacturer of dental implants, abutments and related products. Since its inception in 1987, BIOMET 3i has been on the forefront in developing, manufacturing and distributing oral reconstructive products, including dental implant components and bone and tissue regenerative materials. The company also provides educational programs and seminars for dental professionals around the world. BIOMET 3i is based in Palm Beach Gardens, Fla., with operations throughout North America, Latin America, Europe and Asia-Pacific. For more information about BIOMET 3i, visit www.biomet3i.com or contact the company at (800) 342-5454; outside the United States, dial (561) 776-6700.

(Source: BIOMET 3i)
DENTSPLY Implants is the union of two successful and innovative dental implant businesses: DENTSPLY Friadent and Astra Tech Dental.*

DENTSPLY Implants offers a comprehensive line of implants, including Astra Tech Implant System™, ANKYLOS® and XIVE®, digital technologies such as ATLANTIS™ patient-specific abutments, regenerative bone products and professional development programs.

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We invite you to join us on our journey to redefine implant dentistry. For more information, visit www.dentsplyimplants.com.

*The newly created business will actively market and sell products as DENTSPLY Implants beginning with North America, effective April 2012. Transition to the new business in all other geographic locations around the globe will follow.
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Nobel Biocare’s implant manufacturing facility featured on ‘How It’s Made’

On July 12, The Science Channel aired a segment on how Nobel Biocare dental implants are manufactured. The top-rated show “How It’s Made” has also featured Nobel Biocare manufacturing before in 2010, when they visited the NobelProcera™ manufacturing facility in Mahwah, N.J., to find out how a dental crown is made.

For this episode, the production team traveled to Yorba Linda, Calif., to see how a titanium rod goes through the manufacturing process to become a dental implant. The show airs on the Discovery Networks in 180 countries and in 13 languages.

Nobel Biocare (NOBN, SIX Swiss Exchange) is a world leader in innovative restorative and esthetic dental solutions. As a complete solutions provider, Nobel Biocare offers a comprehensive range of solutions from tooth to root, for single tooth to fully edentulous indications, the company said.

The solutions portfolio covers dental implants (including the key brands NobelActive®, Bränemark System® and NobelReplace®), individualized prosthetics and equipment (NobelProcera™ guided surgery solutions and biomaterials). Nobel Biocare has more than 2,400 employees and recorded revenue of EUR 369.2 million in 2011. The company is headquartered in Zurich, Switzerland. Production takes place at seven sites located in Canada, Israel, Japan, Sweden and the United States. Nobel Biocare also has 34 direct sales organizations.

(Source: Nobel Biocare)

AIC Seminars recognized by the ICOI

HIOSSEN’s AIC courses receive approval and support from the International Congress of Oral Implantologists to provide high-quality implant education

The International Congress of Oral Implantologists (ICOI) and HIOSSEN’s Advanced Dental Implant Research and Education Center (AIC) Seminars have joined in their efforts to provide the highest quality implant education to dentists everywhere to best service their patients.

HIOSSEN’s AIC Seminars has submitted curricula for its basic, intermediate and advanced courses to ICOI for approval. According to ICOI, clinicians who successfully complete HIOSSEN’s continuing education courses may submit the C.E. units to ICOI as a step toward qualifying for their advanced credentials for ICOI fellowship, mastership or diploma.

AIC Seminars’ aim is to aid dental providers in educating their patients about the option of implants and to better the clinician’s knowledge and skill level in practical clinical information and techniques of implant surgery. AIC offers different levels of courses so that there is always a course fit for any dentist. Since 2006, AIC has strived to cover all topics of implantology and patient/dentist solutions that will benefit the givers and receivers of implants.

For more information, please send any inquiries to master@hiossen.com.
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Presenters: Dr. Edgar El Chaar | Dr. John Minichetti

SEPTEMBER 17-18, 2012
Zi East, Parsippany, New Jersey
Presenters: Dr. Salvatore Nares | Dr. Glenn Reside

SEPTEMBER 24-25, 2012
Florida Hospital Nicholson Center, Orlando, Florida

OCTOBER 29-30, 2012
Zi East, Parsippany, New Jersey
Presenters: Dr. Monish Bhol | Dr. Kanyon Keeney

FOR ADDITIONAL INFORMATION AND TO REGISTER CONTACT:
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Founded in 1897, Sterngold Dental is a world leader in dental products and specializes in alloys, attachments, implants and restorative systems, the company says. Examples are the Stern ERA family of resilient dental attachments and the Natural Profile Abutment System for aesthetic restoration of osseointegrated implants.

Sterngold Dental is ISO 13485:2003 and ISO 13485:2003 (CMDCAS) certified and also complies with the European Medical Device Directive (93/42/EEC), FDA Quality System Regulations and MHLW Ministerial Ordinance No. 169. All products and procedures are closely monitored under these quality systems. Sterngold Dental, LLC’s Implant products have full approval to market in the United States, Sweden and more than 20 other countries.

For more information, visit www.sterngold.com.

3D Systems’ dental printer makes the 3Shape grade

3D Systems Corporation announced recently that it successfully completed the integration of its new ProJet™ MP 3500 Dental 3D Printers with 3Shape’s Dental System™ and CAMbridge for direct, high-speed, precision model production from the 3Shape Trios® intraoral scanner.

Sun Dental Labs successfully deployed this integrated solution to produce up to 24 quad cases in 5 1/2 hours.

Chuck Stapleton, vice president of digital manufacturing at Sun, said, “The ProJet MP produces full quad cases of plaster-like models for about $5 and enables Sun to produce any type of restoration from our customer’s stone model scanner or intra-oral scanner. The combined impact of this solution’s precision, affordability and plaster-like characteristics compel us to step up our transition to a full digital workflow.”

“We are very pleased to offer our dental lab customers a proven, integrated solution that combines the latest products from two leading providers into a powerful and affordable manufacturing tool,” said Lee Dockstader, vice president of business development, 3D Systems Corporation. 3D Systems (www.3DSystems.com) is a leading provider of 3-D content-to-print solutions, including 3-D printers, print materials and on-demand custom parts services for professionals and consumers alike.

3Shape (www.3shapedental.com) specializes in the development and marketing of 3-D scanners and CAD/CAM software solutions.

For complete product information on the ProJet 3500 MP and DP dental printers, visit www.topobottomdental.com.
Zimmer Dental Inc., a leading provider of dental oral rehabilitation products and a subsidiary of Zimmer Holdings, Inc., is pleased to announce the availability of the Zimmer® Angled Tapered Abutment — a line extension that provides clinicians with the flexibility to place implants off-axis (i.e., tilted) and choose from multiple surgical protocols, including immediate-load, screw-retained restorations, to best meet the specific restorative needs of its patients.

Available in 15- and 30-degree angle configurations, the Zimmer Angled Tapered Abutment promotes angulation correction for off-axis implant placement, repositioning the restorative platform to facilitate insertion of the prosthesis.

The abutment’s 1.2 mm low-profile cone is ideal for use in cases with limited interocclusal space, while the cone’s 15-degree taper allows for additional angulation correction.

The ability to place implants off-axis aids in maximizing the use of available bone, avoiding the alveolar nerve and sinus and minimizing the cantilevers for the prosthesis in multi-unit, partially and fully edentulous screw-retained restorations. The user-friendly Zimmer Angled Tapered Abutment’s multiple cuff heights enable the clinician to select the size that best meets the patients’ soft-tissue measurements.

Furthermore, this new abutment has exhibited exceptional strength and durability in testing compared to other popular brands, according to the company, and is fully compatible with Zimmer Dental’s existing restorative components and the renowned Tapered Screw-Vent® Implant System for greater convenience.

“These new Angled Tapered Abutments broaden our restorative portfolio and give clinicians even more flexibility in choosing surgical protocols to best meet the needs of their patients, restore their mouth function and enhance their quality of life,” said Harold C. Flynn, Jr., Zimmer Dental president. “At the end of the day, our focus, first and foremost, is on giving our customers the tools they need to improve their patients’ lives.”

For decades, Zimmer Dental has gained the trust of thousands of clinicians worldwide who count on its comprehensive line of products to deliver successful patient outcomes, the company says.

For more information on integrating the Zimmer Angled Tapered Abutment into your practice, contact a Zimmer Dental sales consultant at (800) 854-7019, (760) 929-4300 (for outside the United States) or visit www.zimmerdental.com.
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