CHAIR OF THE ADEA BOARD OF DIRECTORS AWARDS CITATIONS

Lily T. Garcia, D.D.S., M.S., FACP, Chair of the ADEA Board of Directors, awarded Citations to 10 individuals who have demonstrated exceptional service to ADEA and the dental education community. Dr. Garcia presented the Citations Sunday morning during the ADEA Opening Ceremony with Awards and Plenary Session.

“I’ve had the pleasure of working with each of these individuals over the years,” Dr. Garcia said. “Each has enriched the work that ADEA does.”

Dr. Garcia also presented the 2015 Distinguished Service Award to M. Elaine Neenan, D.D.S., M.S., M.P.H. “What sets her apart is that her whole life has been devoted to those in need,” said Dr. Garcia. “Over her career she has raised $52 million for the underserved. She is the last person to toot her horn; that is why I am doing it today.”

Dr. Neenan extended her thanks to her colleagues in dental education. “For all of you involved in sending your students to migrant clinics, Indian health services clinics, health clinics, nursing homes and to work with people with HIV, this award is for you,” she said.

CHAIR OF THE ADEA BOARD OF DIRECTORS CITATIONS:

Dr. Vidal G. Balderas
Assistant Professor, Department of Comprehensive Dentistry
University of Texas Health Science Center at San Antonio School of Dentistry

Dr. Nancy Deal Chandler
Executive Director
American College of Prosthodontists

Dr. William D. Davenport, Jr.
Professor of Biomedical Sciences
Associate Dean for Academic Affairs
University of Nevada, Las Vegas, School of Dental Medicine

Dr. David C. Johnsen
Dean
Professor, Department of Pediatric Dentistry
The University of Iowa College of Dentistry & Dental Clinic

Dr. Denise K. Kassebaum
Dean
Professor, Diagnostic and Biological Sciences
The University of Colorado School of Dental Medicine

Dr. Carol A. Lefebvre
Dean and Professor
Georgia Regents University College of Dental Medicine

Ms. Monique E. Morgan
Senior Manager, Office of the President and CEO
American Dental Education Association

Ms. Barbara P. Nordquist
Vice President for Academic and Professional Relations
Kavo Kerr Group – Consumables

Dr. Leo E. Rouse
Dean
Howard University College of Dentistry

Dr. Sharon C. Siegel
Professor and Chair, Department of Prosthodontics
Nova Southeastern University College of Dental Medicine
Exploration Is Impractical, Speaker Says, But We Do It Anyway

By Ian Murphy

After high school, Adam Steltzner was kicking around San Francisco playing in a band when he noticed the Orion constellation in the night sky one night after a gig. “I didn’t know it was Orion; I hadn’t studied much,” he said. “But I was curious, and I decided to follow my curiosity. That curiosity, and a very gifted teacher, turned around the course of my life.”

Fifteen years later, he had earned a Ph.D. and was working for NASA’s Jet Propulsion Laboratory as the Landing Phase Lead Engineer on the Mars Curiosity rover mission. His opening plenary address, “How Curiosity Changed My Life,” helped set the tone for the 2015 ADEA Annual Session & Exhibition on Sunday morning.

As he details in the forthcoming book, *The Right Kind of Crazy: Lessons in Leadership from an Impossible Mission to Mars*, Dr. Steltzner had created a revolutionary new landing system for the largest rover to date. The team had to find a way to take the craft from 13,327 MPH to landing without damaging it.

Weighing almost a ton, the rover couldn’t use airbags or flexible legs to land. The team ultimately developed a “sky crane” landing craft that would lower Curiosity gently to the planet’s surface. “We couldn’t test it at all. We had to cross our fingers, close our eyes and hope it went well.” Ultimately the system worked, and Curiosity landed safely in August 2012 and still roves the Martian surface today.

Things that seem practical today often seemed impractical at first, Steltzner said, like air travel. “Great works and great folly may in fact be indistinguishable at the outset. Early flight was awkward and injurious. We don’t explore because it’s practical, we explore despite it being impractical.”

“When we explore, we are searching for the edges of us,” he said. “We are asking questions about humanity. And we explore not just the universe that exists already, we also reach into a universe that does not exist and conceive of things that do not yet exist.”

That basic human curiosity powers education, he added, and to inspire curiosity among students, like his first astronomy teacher did for him, educators “should open themselves up as bravely as possible,” he said. “You never know when you might connect with one of your students, and those connections make all the difference.”

**TAKEAWAYS**

- Innate curiosity took Steltzner from being bass player in a band to leading NASA’s Jet Propulsion Labs in landing the largest, most sophisticated Mars rover ever built.
- The team couldn’t test their revolutionary new landing system except through computer simulations, but crossed their fingers and landed Curiosity successfully.
- Educators should go bravely forth in teaching, because inspiring curiosity can be the spark that leads to great careers.

**Need a Professional Headshot?**

Come to the ADEA Showcase Booth on Monday, March 9 between noon and 3:00 p.m. and get a FREE professional photo taken! Photos are first come, first served.
Around the ADEA Policy Center

The following are the ADEA Policy Center sessions taking place today.

**Affordable Care Act Update**
10:30 a.m. – noon
CC, Room 204, 2nd Level

Provisions of the Affordable Care Act (ACA), signed into law by President Obama in March 2010, are currently being implemented. An expert on the ACA will provide an informative update with an emphasis on the provisions of importance to academic dentistry and the profession of dentistry. Also, a representative from the Health Resources and Services Administration will discuss implementation of ACA programs under HRSA, such as Title VII programs.

**The Two or More Race Designation: How Schools Are Navigating This New Paradigm**
10:30 a.m. – noon
CC, Room 306, 3rd Level

This session discusses the history of recent changes to the reporting requirements for “two or more races” from the U.S. Department of Education. It will highlight ways in which ADEA has adapted its reports for use by member institutions. Attendees will gain knowledge of how both a public and private dental school have developed strategies to identify these students once they are enrolled and provide access to cultural and other support resources as appropriate. The results of a pilot study on how these students identify in social and campus settings will be also highlighted.

**Contemporary Issues in Dentistry and Dental Education**
10:30 a.m. – noon
CC, Room 201, 2nd Level

In traditional dental and allied dental education curriculum, little attention is paid to changes in the oral health care delivery system. While it is not unusual to modify curricula to incorporate new treatment techniques and technologies, curricula are slower to respond to health care system changes, health policy changes, dental health care economics and new proposed workforce models. Few schools prepare students to critically evaluate dental-related related stories appearing in the media and online. This session will provide an overview of best practices from several programs on how they prepare future practitioners to work collaboratively and address contemporary issues in dentistry.

**Health Professions Admissions Practices: A National Study**
1:30 – 2:30 p.m.
CC, Room 202, 2nd Level

This session will present findings from the first study to examine how institutions are admitting students in the health professions to achieve an institution’s mission and goals, including diversity, access and success. The study also sought to assess how institutions are evaluating their admissions practices in the health professions, including the impact on student outcomes. The survey was conducted by the Association of Public and Land-grant Universities (APLU), the Coalition of Urban Serving Universities (USU) and the AAMC, with funding from NIH and survey distribution support from ADEA. Results will be summarized and contextualized with respect to admissions data.

**Electronic Health Records**
1:30 – 3:00 p.m.
CC, Room 204, 2nd Level

ADEA has continually weighed in with Congress and federal agencies on the critical issue of electronic health records (EHRs) and their implementation. Many of the provisions will assist dentists in their efforts to become and remain meaningful users of certified EHR technology. An expert on the subject of EHRs will provide an update on current provisions.
Meeting Attendees Enjoy Tour of Tufts School of Dental Medicine

Fifteen stories above the sidewalk, visitors to Tufts University School of Dental Medicine (TUSDM) were greeted by floor-to-ceiling windows, natural light and sweeping views. The school added five floors atop its original building in 2009, and outfitted the clean white spaces with new equipment set off by colorful walls and furnishings. As ADEA 2015 Annual Session & Exhibition attendees followed their dental student guides through several of the lower floors, interior spaces at each level inevitably gave way to the same airy vistas.

“It’s all about feng shui,” said Dorothy Vannah, M.Ed., R.D.H., C.D.A., Director of Simulation who greeted visitors in the simulation laboratory. “As you walk in, a calm comes over you.”

Tufts seems to have achieved the desired effect. Tour participants remarked that they loved the open feel of the clinics and saw their potential for stress reduction. About a dozen students were at work in a preclinical lab with space for 200, but many were engaged in the NERB licensing exam as visitors toured the facilities.

Tufts dental school was founded in 1868. Today it admits almost 200 students in each class, many of whom participate in research; they presented 73 posters at the school’s last Research Day. During the tour of the sim lab, visitors also learned that one of their student guides had participated in the development of a typodont with translucent gingiva to visually assist students learning periodontal probing.

The TUSDM tour was one of three dental school tours that occurred on Saturday. Tours to Harvard School of Dental Medicine and Boston University Henry M. Goldman School of Dental Medicine were conducted simultaneously with the TUSDM tour.
An Evening Plenary on Gender Issues: Discourse and Dessert

By Nicole Fauteux

“Dentistry is fun. Who knew?” With these crowd-pleasing words, Linda Cohn, one of the first women anchors in the male-dominated field of sportscasting, kicked off an energetic talk about her unlikely path to success.

Cohn, an ESPN *SportsCenter* anchor, shared her early memories of feeling self-conscious and receiving messages that her feelings were justified. Sports gave her an outlet to combat her low self-esteem. She gravitated toward street hockey and soon made her way onto the ice, where she started to develop “the toughness of not caring about what other people think.”

She didn’t make the boys’ hockey team during her junior year of high school, but her attempt impressed the coach and a year later he welcomed her to the team. In college, she played hockey with other women for the first time but realized she wouldn’t be able to play professionally. To stay in sports, she set her sights on broadcasting.

Cohn started in news at her local Long Island radio station and was soon covering the New York Islanders hockey team. Despite being a passionate fan of the rival New York Rangers, she seized the opportunity and eventually made her way to a broadcast job in Seattle, where in 1992 she was spotted by ESPN. Although *SportsCenter* anchor Dan Patrick greeted her with words that dredged up her childhood insecurities, she persevered.

“You really have to work at not allowing that little girl in you to take over,” she told the audience, acknowledging that, deep down, these slights hurt. Nevertheless, she advised, “It’s important to laugh at a lot of stuff because your inside will catch up to the outside.”

Cohn credited a series of men with opening doors for her throughout her career. “These guys were special. They saw something in me,” she said. “They gave me an opportunity to shine.” Her desire to not disappoint them also motivated her to excel. Today she is one of the longest running anchors on ESPN.

“It’s harder for women,” she said, “Let’s face it. It just is.” She noted that women are less inclined to uproot their families to advance their careers. “I put my kids first, and I know I did the right thing. It’s not for everyone, but it worked for me,” she said.

Sharing Data Across Schools Made Easier with a New Dental Data Repository

By Laura Iverson

Data is plentiful. How institutions, faculty and students gather and use that data is rapidly evolving. In the past, resources to gather and analyze data for further research have been tight and disorganized. There have been few databases to support evidence-based dentistry. Enter BigMouth, a centralized data repository with deidentified clinical data extracted from electronic health records (EHRs) at multiple dental academic centers.

Launched in 2012, BigMouth was the brainchild of four institutions—The University of Texas School of Dentistry at Houston; Harvard School of Dental Medicine; University of California, San Francisco, School of Dentistry; and Tufts University School of Dental Medicine. As participating members of the Consortium for Oral Health Research and Informatics (COHRI), they established the technical foundation and governance framework for a database to harness big data in order to unlock that data. It allows users to leverage big data using a customizable query tool to calculate prediction scores for patients and learn more about patterns in specific populations.

The dental clinical data residing in BigMouth is compiled by faculty. It is extracted from EHRs and placed into a centralized format. Data is then made available to end users—faculty, students and researchers. Data available to users includes demographics, diagnosis, procedures, forms, odontogram, periodontal exam, medication and insurance.

Governance is of greatest importance to the creators of this valuable tool. The database does not conflict with HIPAA regulations; only two of the 18 HIPAA identifiers are attached to the data—dates (date of birth and dates of treatment to allow for longitudinal searches of data) and five-digit ZIP codes. Access to the data is only provided to contributing institutions, and each source site retains control of the data they contribute. There are project review committees convened to grant approval for use of data for specific research projects. Strict governance allows once messy EHR data sets to be standardized, improving the quality of the data.

BigMouth has added another institution, the University of Pittsburgh School of Dental Medicine; the University of Michigan School of Dentistry will soon join. Those spearheading this project will continue to encourage applications, working to bring institutions together to find new and innovative ways to treat patients, thereby moving dental research forward.
Women’s IPE Makes Strides

By Ian Murphy

Since the ADEA Women’s Affairs Advisory Committee recommended that the conversation about women’s health issues be extended across disciplines in 2012, educators in several fields have been working toward making women’s health an interprofessional discipline. Yesterday’s “Women’s Health in Interprofessional Education” session discussed recent progress toward that goal.

Marjorie Jenkins, M.D., Executive Director of the Laura W. Bush Institute for Women’s Health at Texas Tech University Health Science Center, says many people—women included—think of being female as a non-issue outside the reproductive system. More than 80% of cellular studies don’t include gender information, she said. What’s more, 75% of the animals used in studies are male, and human trials are 67% male.

With growing awareness from NIH and professional associations, Texas Tech launched an initiative to integrate sex and gender-based health in its curriculum. “We had to start a new conversation,” Dr. Jenkins said. “The way to really make a difference was to teach the differences in the practice of health care, no matter what discipline. Students are surprised ... that they aren’t learning this.”

Midwestern University College of Pharmacy in Glendale, AZ, has been able to raise awareness among students and faculty for interprofessional education (IPE) in women’s health. “The end goal is to build shared values in patient-centered care,” said Shareen El-Ibiary, Pharm.D., BCPS, FCCP, FCSHP, Professor of Pharmacy Practice.

The Institute for Healthcare Improvement (IHI) is “the engine that’s driving IPE at our institution,” said Donna Grant-Mills, D.D.S., M.S., Chair of Howard University College of Dentistry (HU COD) Department of Dental Hygiene. HU COD has implemented courses in multiple disciplines including clinical education, mental health, ethics and nutrition. “Women’s health and gender differences should be regarded as an emerging science from the cellular to the community level. The ultimate goal is to impact women’s health.”

Students at HU COD are helping drive the change, she said. “We have a generation of students across the health sciences who want this. The enthusiasm throughout the student body is contagious.”

TAKEAWAYS

- Four levels of awareness of sex- and gender-based IPE have been outlined: basic, intermediate, high and advanced.

- Students are enthusiastic about the shift toward gender-based IPE, but faculty and administrators must furnish their buy-in.
Monday, March 9

**A vecayal Spotlight—Political Outlook and News of the Day**
Gloria Borger, Senior Political Analyst, CNN
8:30 – 9:45 a.m.
CC, Ballroom ABC, 3rd Level

**Exhibit Hall Opens**
9:45 a.m. – 3:00 p.m.
CC, Hall C and Auditorium, 2nd Level
- Coffee Break: 9:45 – 10:30 a.m.
- Poster Board Sessions: 10:00 a.m. – noon
- ADEA TechExpo: 10:00 a.m. – noon
- New Idea Sessions: 10:00 a.m. – 1:00 p.m.
- Lunch: Noon – 1:00 p.m.
- Exhibit Hall Raffle: 1:00 p.m.

**Tomorrow:**
*Don’t Miss These Special Events*

**The Chair of the ADEA Board of Directors Symposium—Igniting Minds Through Student Self-directed Group Learning: Integrated Problem Sessions**
1:30 – 3:00 p.m.
CC, Room 306, 3rd Level

**2015 William J. Gies Awards for Vision, Innovation and Achievement Gala (Ticketed Event)**
6:00 – 9:00 p.m.
SH, Grand Ballroom Complex, 2nd Level

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**Please Don’t Miss...**

ADEA Closing Plenary Session Featuring:

**SARAH LEWIS, PH.D.**
“The Rise: Creativity, the Gift of Failure and the Search for Mastery”
Sponsored by DENTSPLY, International Inc.

**Tuesday, March 10**
10:00 – 11:15 a.m.
CC, Ballroom ABC, 3rd Level

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**SH = Sheraton Hotel  |  CC = Hynes Convention Center**
WIN PRIZES IN THE EXHIBIT HALL!

On Sunday ADEA raffled off prizes to several lucky exhibit attendees, who qualified by visiting and collecting stamps from at least 20 exhibitor booths. Today’s raffle will award even more prizes—drop your completed card in the raffle bin in the Exhibit Hall near the ADEA Showcase Booth before 1:00 p.m.!

The following exhibitors have generously donated to the raffle: AAL; Acadental; ASEPTICO Inc.; Bien Air USA; Certiphi Screening, Inc.; Dental Services Group - the Laboratory Network; DentalEZ Group; Designs for Vision, Inc.; Elsevier, Inc.; EnvisionTEC, Inc.; Foliotek, Inc.; ICE Health Systems; Medicor Imaging; MOOG; Paradigm Dental Models; Patterson Dental; Philips Oral Healthcare, Inc.; Sirona Dental, Inc.; Ultradent Products, Inc.; Western University of Health Sciences College of Dental Medicine; and Whip Mix Corporation.

ADEA’s TechExpo Shows Off Software Aids

More than a dozen exhibitors showed off the latest software aids designed to make teaching and learning dentistry simpler, faster and more effective at the ADEA TechExpo in the Exhibit Hall. Offerings included a virtual patient, treatment planning software, several training modules and a dental quiz in the style of the game show Jeopardy! “We’ve had a lot of interest and a lot of people,” said Michele Harutunian, a Clinical Assistant Professor from New York University College of Dentistry, developers of a software tool designed to certify educators to train students in CAD/CAM use.