Dr. Steve Levy and Colleagues Receive NIDCR Funding for Iowa Fluoride Study

Dr. Steven Levy and colleagues at the University of Iowa’s Colleges of Dentistry, Public Health, Liberal Arts and Sciences, Engineering, and Medicine have received a 2-year award of $2,318,154 that began September 10, 2015 from the National Institute of Dental and Craniofacial Research (NIDCR) and is entitled: “Fluoride, Dietary, and other Factors Related to Young Adult Bone Measures and Dental Caries.” Dr. Levy is Wright-Bush-Shreves Endowed Professor of Research in the Department of Preventive and Community Dentistry (College of Dentistry) and Professor in the Department of Epidemiology (College of Public Health).

In addition to Dr. Levy, the other research team members include Drs. John Warren (Preventive and Community Dentistry), Karin Weber-Gasparoni (Pediatric Dentistry), Teresa Marshall (Preventive and Community Dentistry), and Justine Kolker (Operative Dentistry) from the College of Dentistry, Drs. Joseph Cavanaugh (Biostatistics), James Torner (Epidemiology), Linda Snetselaar (Epidemiology) and Trudy Burns (Epidemiology) from the College of Public Health, Dr. Kathy Janz (Health and Human Physiology) from the College of Liberal Arts and Sciences, and Dr. Punam Saha (Electrical-Computer Engineering) from the College of Engineering.

The NIDCR-funded Iowa Fluoride Study began in 1991 and recruited a cohort of nearly 1,900 women with newborns to study longitudinally the complex exposures and intakes of fluoride from water, many foods, other beverages, and dental cavity prevention products, as well as relationships with dental caries (cavities) and other oral health conditions. Dietary and other factors were also assessed. Dental examinations were conducted at ages 5, 9, 13, and 17 to assess dental caries prevalence and incidence, as well as risk factors.

As an extension of the Iowa Fluoride Study (IFS), the Iowa Bone Development Study (IBDS) was funded by NIDCR in 1998 to better understand normal childhood bone development and relationships with fluoride and other dietary intakes and physical activity, anthropometric, and genetic factors. Bone assessments were conducted with NIH and other grant support at ages 5, 8-9, 11, 13, 15, 17 and 19.

The new NIH funding will support conducting a new wave of assessments at age 23 that will include both dental caries examinations and bone assessments that include dual energy x-ray absorptiometry (DXA) of the hip, lumbar spine, and whole body, peripheral quantitative computed tomography (pQCT) of the radius and tibia, and multi-detector computed tomography (MDCT) of the tibia.
Dr. Arwa Owais Receives Two Delta Dental of Iowa Foundation Grants

Dr. Arwa Owais, Department of Pediatric Dentistry, recently received two Delta Dental of Iowa grants.

The first is a 14-month, $7,500 grant that will be used for “A Clinical Trial Comparing Isolite Vs. Cotton Roll Isolation in the Placement of Dental Sealants.” This study will provide scientific evidence by one of the strongest clinical trial designs to identify the best isolation method for sealant placement. The study will help improve guidelines for sealant placement techniques, isolation techniques used in placement of dental sealants, and play an important role in their retention.

Dr. Owais is principal investigator for the study. Co-investigators include Wei Liu and Dr. Deborah Dawson, Biostatistics and Research Design. Dr. Diana Pelzer, a Pediatric Dentistry resident, will also be involved with the study.

This study also received an in-kind contribution from the Isolite Systems Company with eight Isolite systems to be used in the pediatric dentistry clinics with an equivalent amount donated to the Department of Pediatric Dentistry.

Dr. Owais also received a second Delta Dental of Iowa 18-month, $4,950 grant. It will be used for the study, “Traumatic Dental Injuries in Children.” The study will assess the characteristics, management, and outcomes of dental traumatic injuries (TDI) within the College of Dentistry (CoD) Dental Clinics at the University of Iowa in the period of 2008-2015. Analysis of this data will allow the researchers to learn from past dental injuries seen at the CoD and educate themselves on the best guidelines for documentation, diagnosis, management and follow-up of trauma cases. The results will help the investigators develop a protocol for the dental professionals on the reporting, management and follow up of TDI cases.

Dr. Owais is principal investigator for the study. Co-investigators include Megan Penticoff, Dental Facilities Services; Wei Liu, Biostatistics and Research Design; and Dr. Karin Weber-Gasparoni, head of the Department of Pediatric Dentistry.

Dr. Karin Weber-Gasparoni Receives Delta Dental of Iowa Foundation Grant

Dr. Karin Weber-Gasparoni, head of the Department of Pediatric Dentistry, recently received a one-year, $8,857 Delta Dental of Iowa Foundation grant. The grant money will be used to research “Oral Health Knowledge and Practices of Iowa Family Physicians and Pediatricians.” The purpose of this study is to investigate the oral health knowledge and practices among Iowa family physicians and pediatricians. Additional goals are to assess the most common oral health issues encountered in their patients 0-3 years of age, referral mechanisms and barriers, as well as their practices regarding the application of fluoride varnish.

Dr. Weber-Gasparoni will be the principal investigator on the project. Dr. Kyle Beulke, a Pediatric Dentistry resident, will be co-investigator.
The Department of Family Dentistry held their Faculty Conference Day on September 23, 2015, in the Oral B Classroom.

Ms. Barb Van Gorp, PT, DPT, OCS, CSCS, a clinical specialist in orthopedics at the University of Iowa Hospitals & Clinics, gave a presentation, "So Why Do I Ache? Common Pain in the Upper Quadrant." Dr. Kezia Leary, Department of Pediatric Dentistry, presented, "Dental Care for Pediatric Patients." Dr. Rick Williamson, Department of Family Dentistry, gave a presentation, "Diagnosis and Treatment Planning for the Edentulous Patient."

There were award presentations:

**5 Years:** Dr. Chad Stevenson, adjunct assistant professor; Dr. Sara Stuefen, adjunct instructor.

**10 Years:** Dr. Steven Anderson, adjunct associate professor; Dr. Manuel Gomez, associate professor, Department of Endodontics and director of the D4 program in Family Dentistry; Dr. Marcos Vargas, professor; and Dr. Rick Williamson, associate professor.

**15 Years:** Lyda Broders and Valerie Waterhouse, both dental assistants.

**20 Years:** Becky Powell-Renneckar, dental hygienist.

**30 Years:** Dr. Gerald Monserud, adjunct associate professor.

**35 Years:** Ken Shaull, Senior Lab.

**Not pictured:** Drs. Rick Williamson and Gerald Monserud.
Dr. Leonardo Marchini, Department of Preventive & Community Dentistry, presented a poster at the joint meeting, “Restorative Dentistry for All Generations,” of Restorative Dentistry-UK, Specialty Registrars in Restorative Dentistry, and the European College of Gerodontology. The conference was held October 1-2, 2015, in Belfast, Northern Ireland.

Dr. Marchini presented “Bacterial Diversity on Partial Denture Metal Framework: A Culture Independent Analysis.” Co-authors included C.M. Mengatto, Federal University of Rio Grande do Sul, Porto Alegre, Brazil; L.A.S. Bernardes, State University of Santa Cruz, Bahia, Brazil; S.C. Gomes, Federal University of Rio Grande do Sul, Porto Alegre, Brazil; A.M. Silva, State University Julio de Mesquita Filho, Sao Paulo, Brazil; and C.M. Rizzatti-Barbosa, State University of Campinas, Campinas, Brazil.

The Department of Operative Dentistry hosted the visit for Dr. Tracy de Peralta, associate professor and director of curriculum and assessment integration at the University of Michigan School of Dentistry. Dr. de Peralta shared her expertise on “Multisource Assessment for Better Reflective Practice” during the noon seminar on October 7, which was well attended and ended with a lively discussion on assessment strategies to promote reflective thinking and reflective learning.

Dr. de Peralta, together with Dr. Kwon, introduced the peer assessment of waxing projects into the freshmen dental anatomy course and expanded the multisource assessment to include: self-evaluation, peer-evaluation, digital evaluation and faculty evaluation, which is a unique approach at the University of Iowa College of Dentistry.

At the end of her two-day visit at the College of Dentistry, Dr. de Peralta genuinely expressed her gratitude for the great Iowan hospitality!
De Peralta
continued from 4

(Above): Dr. de Peralta discussing with Ryan Coon (D1) how he perceives peer evaluation.

(Above): Dr. de Peralta amazed at the positive attitude towards peer evaluation by Cole Converse (D1).

(Left): Class of 2019 posing with Dr. de Peralta.
Recent Publications


Thank-you

Thanks for caring. So grateful for the love & support. Appreciate the kind words, hugs, memorials & other acts of kindness with the illness & passing of my mother.

Becky Todd

Dental Filling Station
October 26-30, 2015

Monday
Gourmet Macaroni & Cheese $6.00
Soup du Jour $2.65 / $3.65
Salad Bar, Deli, Pizza, & Paninis

Tuesday
Breaded Chicken Sandwich & Chips $4.40
Soup du Jour $2.65 / $3.65
Salad Bar, Deli, Pizza, & Paninis

Wednesday
Beef Lasagna with Vegetable & Bread Stick $6.00
Soup du Jour $2.65 / $3.65
Salad Bar, Deli, Pizza, & Paninis

Thursday
Taco Bar!!!
Chicken Strips with Ranch Dressing $4.75
Soup du Jour $2.65 / $3.65
Salad Bar, Deli, Pizza, & Paninis

Friday
Tater Tot Casserole $6.00
Soup du Jour $2.65 / $3.65
Salad Bar, Deli, Pizza, & Paninis

Studying outside the DSB on a fine October day.

(photo courtesy of Dean David Johnsen)
Kyle Stein, DDS, Clinical Assistant Professor

Oral and Maxillofacial Surgery at the University of Iowa Hospitals and Clinics

Monday, November 2, 2015
Noon – 1:00 pm
Galagan Auditorium 14 B
College of Dentistry

Gregory R. Carmichael, PhD, MS,
Director of University of Iowa Informatics Initiative
Professor of Chemical and Biochemical Engineering and
Applied Mathematical and Computational Sciences
College of Engineering
University of Iowa

NOON SEMINAR SERIES

“The University of Iowa Informatics Initiative - An Overview and Outlook”

N212 DSB
Tuesday, November 3, 2015
12:00 – 1:00 PM

Individuals with disabilities are encouraged to attend all University of Iowa-sponsored events. If you are a person with a disability who requires an accommodation in order to participate in this program, please contact Marie Phillips at (319)335-7387 or marie-phillips@uiowa.edu.
EndNote Instruction
Monday, November 2, 2015
Noon-1 pm, Oral B Classroom

Pizza and pop will be provided,
first come, first served
Noon Seminar Series

“The Unhealthy Internet: Pitfalls (and potentials) of Online Health Information”

N212
Thursday, November 5, 2015
12:00 – 1:00 PM
Kenneth M. Hargreaves, DDS, PhD
Professor & Chair
Department of Endodontics
Health Science Center at San Antonio
University of Texas

**NOON SEMINAR SERIES**

“Iron in the Fire: The role of oxidized lipids as TRPV1 agonists in inflammatory pain”

14B DSB
Tuesday, November 10, 2015
12:00 – 1:00 PM

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