Thomas Crary (D3), Jessica Gradoville (D3) and Hayley Rinehart (D2) Receive 2015 AADR Bloc Travel Grants

Three College of Dentistry dental research students have been selected to receive the 2015 American Association for Dental Research (AADR) Bloc Travel Grant: Thomas Crary (D3), Jessica Gradoville (D3), and Hayley Rinehart (D2). A total of 48 students were selected as recipients. All of the students’ abstracts were accepted and will be presented at the upcoming annual session of the International Association for Dental Research (IADR)/AADR/Canadian Association for Dental Research (CADR). The meeting will be held March 11-14 in Boston, Mass.

Thomas Crary (left) will present “PCR Machine as a Novel Thermo-cycling Method for Microtensile Specimens.” His mentors are Dr. Steve Armstrong, head of the Department of Operative Dentistry, and Dr. Rodrigo Rocha Maia, also Operative Dentistry.

Jessica (left) will present “Beverage Intakes and Caries Experience in American Indian Children.” Her mentor is Dr. Teresa Marshall, Department of Preventive & Community Dentistry.

Hayley (below, left) will present “Third Molar Agenesis and Craniofacial Form: A Geometric Morphometric Analysis.” Her mentor is Dr. Nathan Holton, Department of Orthodontics.

AADR receives funding from the National Institutes of Health-National Institute of Dental and Craniofacial Research (NIH-NIDCR) to support travel for dental students and NIDCR-supported trainees to the IADR/AADR/CADR domestic meetings. The funds are used to support travel expenses of the award recipients.

Operative Dentistry Graduate Program One of Seven Programs Featured in Journal of Cosmetic Dentistry

The Operative Dentistry graduate program at the College of Dentistry has been featured as one of seven U.S. academic programs in esthetic dentistry touted in the fall 2014 issue of Journal of Cosmetic Dentistry (JCD). The other six featured schools include Tufts University, University of North Carolina, New York University, University of Tennessee, Georgia Regents University, and University of Southern California.

The current fall issue of Journal of Cosmetic Dentistry includes two articles written by three UI College of Dentistry faculty and one resident: Drs. Gerald Denehy and Deb Cobb for one article, and Drs. So Ran Kwon, and Rawa Alammari (PhD candidate, oral science) for the other article.
The UI Operative Dentistry graduate program includes a three-year Master of Science degree and a Certificate in Operative Dentistry. The program has been in existence for more than 50 years, and there have been approximately 120 graduates of which there are more than 80 percent currently in dental education both in the U.S. and abroad. The graduates include several dental deans and many graduate program directors, as well as department chairs. Additionally, the UI operative dentistry program has produced renowned speakers and leaders in the area of esthetic dentistry.

The graduate program provides a solid foundation in teaching, research and clinical training in operative dentistry. It is the philosophy of the department that a great deal of learning comes through teaching others with the goal of providing operative dentistry educators with the expertise, leadership skills and passion to best guide curriculum and clinical instruction in operative dentistry at their respective institutions.

Dr. Alammari received her Master of Science degree in Operative Dentistry as well as her operative certificate. She has been accepted into the oral science PhD program at Iowa and will work under Dr. Kwon in the area of tooth whitening. Says Dr. Cobb, “Dr. Alammari’s clinical expertise and artistry are impressive and we are very proud to have her represent The University of Iowa by submitting her clinical case in direct resin composite for publication in the special academic issue of JCD.”

See page 5 of this issue (Recent Publications) for the two JCD article citations.

(Below): The Department of Operative Dentistry and guests posed during a recent holiday party at the home of Dr. So Ran Kwon.

The College of Dentistry Welcomes Robin Reed

The College of Dentistry welcomes Robin Reed. Robin recently joined Clinic Administration. She is a clinic clerk in Admissions. She has worked for the University of Iowa for over 10 years, all at the University of Iowa Hospitals & Clinics.

Robin and her family live on the family farm near Keota. She has 3 daughters, a son-in-law and 1 grandson. Her youngest daughter is a high school senior this year. She enjoys the outdoors, watching her grandson and being around family & friends. She is excited to be here.

Please welcome her.
Dr. Michael Callan and Cody Kriegel (D4) Participate in a Mission Trip to Cambodia

In November, Cody Kriegel (D4) accompanied Dr. Michael Callan, visiting assistant professor, Department of Orthodontics, on a mission trip to Mondulkiri, Cambodia. They were part of a Medical Teams International Medical/Dental outreach program. During their visit, they delivered medical and dental care to impoverished and tribal people.

Dr. Callan and Cody also visited Kampong Chhnang, Cambodia to deliver medical and dental care to widows, orphans and separated children, and impoverished neighbors of nine dental homes with Medical Teams International and FourSquare Children of Promise.

This was Dr. Callan’s 20th dental mission trip and his third trip as a preceptor. It was Cody’s first trip, which he attended as part of his extramurals. Drs. Michelle McQuistan and Howard Cowen, Department of Preventive & Community Dentistry, arranged for him to take time out of his Special Care Clinic rotation.

The goals of each mission trip include removing the causes of pain and infection, such as dying or necrotic abscessed teeth; arresting active disease, such as treating cavities and removing calculus buildup; and preventing future disease by using sealants for occlusal caries and caries-inhibiting restorative materials, like glass ionomer filling materials, silver nitrate, and fluoride varnish.

Cody says, “I was given the privilege to accompany and learn from Dr. Callan on his mission trip to Cambodia, serving the ever-growing orphan population the country is facing...This experience has been life-changing and one of the greatest blessings I have received in my young life. Every single child and adult we helped thanked us with a bow, a cultural sign showing their respect and gratitude. To experience their culture, way of life, and truly utter happiness was a humbling experience, one that stays with you forever. I look forward to going back as soon as I am able.”
OPRM Holiday Party Held December 5 at Brown Deer Country Club

(Left): Dr. Ernest Lam (’94 oral maxillofacial radiology certificate) and Jan Hinrichsen, OPRM, during the OPRM holiday party, which was held December 5 at Brown Deer Country Club. Dr. Lam is a graduate of the Iowa Advanced Education program in Oral and Maxillofacial Radiology and is currently the Dr. Lloyd and Mrs. Kay Chapman Chair in Clinical Sciences in the faculty of dentistry at the University of Toronto and director of the oral and maxillofacial radiology graduate program.

Dr. Steve Vincent, head of OPRM, says, “Ernie flies to Iowa City every year to attend the party.”

Holiday Quiz!

Take this holiday quiz and win a $5 gift card from the Filling Station!

Entries are due by December 23. Please send your name with your answers, to Chris White, N445 DSB (or chris-white@uiowa.edu). In case of a tie, there a drawing will be held.

The winner will be announced in the January 9 DSB Weekly.

1) In Charles Dickens’ novel A Christmas Carol, who was Scrooge’s dead business partner?

2) What color are the berries of the mistletoe plant?

3) From which country does the poinsettia plant originate?

4) How many points does a snowflake have?

5) In the inspirational 1946 film, It’s a Wonderful Life, what’s the name of George Bailey’s guardian angel?
Dental Filling Station
December 15-19, 2014

Monday:
BBQ Pork Sandwich & Chips $4.50
Soup du Jour $2.50 / $3.50
Deli & Paninis

Tuesday:
Beef Enchiladas with Rice & Beans $5.50
Soup du Jour $2.50 / $3.50
Deli & Paninis

Wednesday:
Cheeseburger & Chips $4.80
Soup du Jour $2.50 / $3.50
Deli & Paninis

Thursday:
Closed Holiday

Friday:
Closed Holiday

Recent Publications


We Need Your Help!
The University of Iowa is seeking Blue Zones Worksite Designation – UI is 80% there! To document your efforts and contributions, please stop by Dental HR, N300 DSB and complete a pledge form. Help the University meet its goal. It’s quick, it’s easy! Participants will receive a token surprise!

A Big Thanks From the Staff Development Committee

Staff Development Committee would like to send a big thank you to all who participated in the winter gathering. We collected over 78 pounds of food and goods and $7 in cash that was delivered to the Crisis Center in Iowa City. Thanks to all who participated in our Holiday Sweater Contest: congratulations to Lori Kayser who won a $25 gift card to New Pioneer Co-op in the drawing for those wearing holiday sweaters.

A HUGE thanks to all who brought treats down to the gathering and congratulations to Ann Synan who won a $25 gift card to New Pioneer Co-op in the drawing for those who brought treats.

Filling Station Holiday Notice

The Filling Station will be open from 7:30 a.m.—2:00 p.m., Monday-Friday, from December 22-January 2, 2015.

From January 5-16, 2015, the Filling Station will be open Monday-Thursday from 7:30 a.m.—4:00 p.m. and on Fridays from 7:30 a.m.—3:00 p.m.

The Filling Station will resume normal hours on January 20, 2015 (Monday-Thursday, 7:30 a.m.—5:00 p.m.; Friday, 7:30 a.m.—3:00 p.m.).
The Dental Science Building Through the Years
1882: Old South Hall on the Pentacrest
1895: Old Dental Building on the Pentacrest
1917: Trowbridge Hall on Market St
1973: New Dental Science Building on Newton Rd
2014: Remodeled Dental Science Building
Book hotel reservations at the Sheraton Boston Hotel for the 2015 ADEA Annual Session & Exhibition in Boston through adea.org/2015. Prices start at $215 per night. The deadline for all reservations is February 2,

The abstract submission deadline for the upcoming Iowa Local AADR Research Day will be on Tuesday, January 6, 2015.

SUBMIT YOUR ABSTRACT ONLINE:
www.dentistry.uiowa.edu/dental-research-local-aadr
Greetings!

CAFE Johnson County invites you to a Forum on Tobacco Prevention on January 7, 2014 from 5:30 – 6:30 p.m. at the Iowa City Public Library, Meeting Room 2. This is an opportunity to find out how tobacco control dollars are being used in your county and to ask your State Legislators where they stand on tobacco control issues. We hope you will be able to join us to discuss how health can be improved and lives saved by effective tobacco control policy.

An R.S.V.P. to eileen@cafeiowacan.org would be appreciated.

Community Forum on Tobacco Prevention

January 7, 2014
5:30-6:30 p.m.
Iowa City Public Library
Meeting Room 2

Hosted by CAFÉ Johnson County
R.S.V.P. to Eileen@cafeiowacan.org by January 4.
Noon Seminar Series

“Sjögren’s Syndrome: Can we make the mouth water?”

14B Galagan
Thursday, December 18, 2014
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.
Greetings and salutations from Professor KW Therm! Today’s energy tip will cover the basics of fluorescent lighting systems.

What’s the story on fluorescents?
Fluorescent systems are much more energy efficient (more lumens per Watt) than incandescent lamps. Their “efficiency” can even rival some LED systems. Fluorescent bulbs tend to last a lot longer than incandescent bulbs but not nearly as long as LED systems.

Fluorescent lamps come in a variety of shapes and sizes – tubes, circlets (also known as “circine”), U-tubes and compact fluorescent lamps. Fluorescent tubes are identified as a “T-Number” such as T-5, T-8, or T-12. The “T-Number” refers to the diameter of the tube in 1/8ths of an inch! For example, the diameter of a “T-8” tube is 8/8ths of an inch (or 1”).

How do they work?
The common fluorescent bulb “system” consists of two primary components – the bulb and the ballast.

Electricity flows into the ballast where the electrical current and voltage are set at the precise levels needed for the bulb to operate properly. The electrical current flows through the electrodes and generates an electric arc. The electric arc “excites” the gases inside the tube which generate ultraviolet (UV) light which is not visible to the eye. The UV light causes the phosphor layer that coats the inside surface of the fluorescent tube to glow or “fluoresce” creating the visible light that we all see.

Positives and negatives
The energy efficiency (remember, lumens per watt) of fluorescent systems has improved significantly over the years as the manufacturers have changed the “recipe” for the gases and phosphors. One drawback of fluorescent systems is that the gases contain very small amounts of mercury. That is why it is very important that burned out fluorescent lamps (including CFLs) must be disposed of properly.

Find out more! If you are craving additional information (and I’m sure you are), please check out these websites for additional information:
http://www.edsorotechnoercenter.org/Fluorescent.html
http://energy.gov/eere/energybasics/articles/fluorescent-lighting-basics

Yours truly,
Professor Therm (A.K.A. Doug Luhiller, Associate Director, UI Energy Conservation)