Drs. Liu Hong and Brad A. Amendt Receive Five-Year NIH Research Grant

Dr. Liu Hong, Iowa Institute for Oral Health Research (IIOHR) and Prosthodontics, and Dr. Brad A. Amendt, associate dean for research, have received a five-year NIH grant for $1,810,940. Their research, “Oral and Craniofacial Bone Regeneration Using MicroRNA Modulation,” will (1) determine the molecular function of miR-200c on Wnt signaling and the roles of Sox2 and KIf4 in the osteogenic differentiation mediated by miR-200c, (2) determine the function of PMIS-200a on osteogenic differentiation and bone formation by understanding the regulation of PMIS-200a on Wnt and BMP/TGF signaling, (3) improve the effectiveness of miR-200c and PMIS-200a by optimizing a gene delivery system using biodegradable nanoparticles, and (4) use critical-sized calvarial defects and periodontitis-induced bone defects in rat models to investigate whether miR-200c combined with PMIS-200a can induce significant bone regeneration in vivo.

After completing this project, they will have significantly expanded their understanding of the molecular function of miR-200c and miR-200a inhibition and demonstrated the translational capabilities of these miRs for oral and craniofacial bone regeneration.

Additional investigators on this project include Dr. Huojun Cao, IIOHR and Endodontics; Dr. Aliasger Salem, Colleges of Pharmacy and Dentistry; and Dr. Qian Fang, Biostatistics & Research Design, and Preventive & Community Dentistry.

Dr. Georgia Johnson Honored with Service Recognition Plaque

(Right): Dean David Johnsen presents Periodontics DEO Georgia Johnson with a plaque to recognize her service to the Executive Committee. Dr. Johnson will be entering phased retirement beginning in July; Dr. Kim Brogden will become interim director of Periodontics.
Amber Bates, PhD student; Paula Gomez (D4); Dr. Marcia Campos, Oral Pathology, Radiology and Medicine; and Dr. Kim Brogden, director of the Iowa Institute for Oral Health Research, and Periodontics, recently attended the Holden Comprehensive Cancer Center Scientific Research Retreat held June 21 at the Coralville Marriott Hotel and Conference Center, Coralville, Iowa.

Amber Bates presented her research in a poster presentation entitled “Matrix Metalloproteinase Responses of HNSCC and Immune Cell Transwell Co-cultures.” Dr. Kim A. Brogden is her co-author and mentor.

Paula Gomez presented her research in a poster presentation entitled “HBD3 Induced PD-L1 Expression in HNSCC.” Co-authors included Amber M. Bates, Emily E. Starman, College of Education; Taher Abbasi, Cellworks Group, Inc.; Shireen Vali, Cellworks Group, Inc.; and Dr. Kim A. Brogden, who is Paula’s mentor.

Dr. Brogden presented his work “Cell Genomics and Immunosuppressive Biomarker Expression Influence PD-L1 Immunotherapy Treatment Responses in HNSCC - a Computational Study.” Co-authors included Amber M. Bates; Dr. Emily Lanzel, Oral Pathology, Radiology and Medicine; Dr. Fang Qian, Biostatistics and Research Design; Taher Abbasi and Shireen Vali, both Cellworks Group, Inc.

The retreat attracted 229 attendees from the University of Iowa, Iowa State University, Claflin University (SC), Lincoln University (PA), Howard University (Washington, D.C.), and other locales. There were a total of 88 abstracts/posters presented.
The third annual Iowa American Student Dental Association (IASDA) Pre-Dental Summer Academy was held June 23-25. Fifty-three pre-dental students attended the event to learn about dentistry as a career and also took part in hands-on waxing, cavity preparation and restoration activities. Dr. Natalia Restrepo-Kennedy, Operative Dentistry; Dr. Carolina Garcia, Prosthodontics; and Rachael Kowbel, Dental Student Admissions, gave presentations to the undergraduate students. Dr. Deirdre Egan from the University of Iowa Writing Center gave a presentation on how to perfect a personal statement when applying to dental school. Allison Christensen (D4) coordinated the event with invaluable help from student volunteers: Justin Mikesell, Jenn Feingold, Ebose Okuruwa, Erica Recker, Meghan Nelson, Ryan Frost, Sophia Chen (all D4s), Alyssa Spilski, Brandon Winter, Donte Nesbit, Erika Takanami, Erin Leppek, Isabella Jasek, Layton Fritsch, Malachi Zeitner, Matt Rohlf, Olivia Lofgren, Shelby Roszhart, Sheldon Stender (all D2s), and Cody Glass and Jared Loftus (both incoming D1s).
College of Dentistry’s Student Affairs Office Helps Host the Annual Health Science Visit Day

On Saturday, July 24, the College of Dentistry Student Affairs Office collaborated with the Undergraduate Admissions Office to host its annual Health Science Visit Day. Each participant took home a pair of Hawkeye scrubs and an in-depth look at health science options at the University of Iowa. Eighteen total guests from Alabama, Illinois and Iowa expressed interest in pursuing dentistry.

Dr. Restrepo-Kennedy, Operative Dentistry; Dr. Tom Grubbs, Operative Dentistry resident; and Dr. Hamad Algamaiah, Operative Dentistry, showed the prospective students how to use college's CAD-CAM machines. Dr. Grubbs offered an overview of the significance of technology in the field and the advancements it provides.

(Above): Dr. Tom Grubbs demonstrates CAD/CAM technology.

(Above): Dr. Hamad Algamaiah, Operative Dentistry, demonstrates CAD/CAM technology.

(Above): Dr. Natalia Restrepo-Kennedy, Operative Dentistry, helps a Health Science Visit Day attendee navigate CAD/CAM.

(Above): Dr. Tom Grubbs demonstrates CAD/CAM technology.
**Word Play**

*Invoice*: The e-mail from an ex-spouse demanding an alimony payment by a certain date.

*Carioki*: Singing along to the radio during a drive — often with the wrong words.

*Audity*: Something that sounds odd and has financial implications.

*Flatulence*: Emergency vehicle that picks you up after you are run over by a steamroller.

*Achilles Keel*: Dry rot in a pirate's wooden leg.

*Kitschen*: A really ugly kitchen.

*Precrastination*: Not even thinking about starting to do something.

*Statistfy*: Provide someone with abundant statistical data to the point they are convinced of something.

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**Food Trucks on Tuesdays!**

Located on the sidewalk from the VA to the loading dock from 11:00 a.m. to 1:30 p.m.

We will continue to have food trucks at the College of Dentistry on Tuesdays.

In addition, each truck will have a box and entry tickets for a drawing for free College of Dentistry merchandise and Filling Station certificates (hopefully to be used on days other than Tuesday!).

Feel free to forward this message to friends and colleagues outside the college.

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**Dental Filling Station**

**June 26-30**

**Monday:**
Closed for the Holiday

**Tuesday:**
Closed for the Holiday

**Wednesday:**
BBQ Chicken Sandwich & Chips $4.60
$1.50 Granola Bar & Yoplait Yogurt
Soup du Jour $2.70/ $3.70
Deli, Salads & Paninis

**Thursday:**
Chicken Fried Steak/ Potato & Vegetable $6.25
$2.00 Breakfast Sandwich
Soup du Jour $2.70/ $3.70
Deli, Salads & Paninis

**Friday:**
Cheeseburger with Chips $5.30
2 for $2.50 on 20 oz. Coke Product
Soup du Jour $2.70/ $3.70
Deli, Salads & Paninis

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**Filling Station Notice**

During June, the Filling Station hours will be Monday-Thursday, 7:30-4:00 pm and Friday 7:30 am-3:00 pm.

The Filling Station will be closed on July 3 & 4 because of the Fourth of July holiday.

During July, the Filling Station will be open 7:30 am-2:00 pm Monday-Friday.
Retiring

WISHING YOU THE BEST

Dr. Christopher Squier

Retirement Reception

Friday, June 30, 2017
1:30pm - 3:30pm Dean’s Conference Room
Join us as we celebrate the Retirement of Dr. Lewis Humbert & JoLene Humbert.

Friday, June 30, 2017
2:00 pm - 4:00 pm

Lainson Seminar Room (S483)
Happy Retirement

Neil Reske

Celebrating 34 years as an Instructional Resource Associate with Orthodontics at the College of Dentistry.

FRIDAY, JUNE 30th
2:30 – 4:30 pm • W220
Dr. Sandra Guzmán-Armstrong (Operative Dentistry Department) is one of the co-founders and first secretary of the American Academy of Cariology (AAC). The vision of the AAC is to eradicate dental caries in the United States through the promotion of science-based disease management.

The Academy is the leading interprofessional organization that advocates, communicates and supports development and integration of cariology to promote oral health with focus on:

- Research
- Professional and community education
- Science-based caries management for individuals and communities.

The Academy activities will not only focus on engaging the dental community but also other healthcare providers, such as physicians and nurses, teachers, social workers, and other similar professionals who may help to achieve the mission.

The AAC has been established as a non-profit corporation since 2015 and have five main pillars:

1. Interprofessional
2. Advocacy and support
3. Caries-related research
4. Caries-related professional and community education
5. Science-based caries management for individuals and communities

Other co-founders and Board members of the Academy include: President: Margherita Fontana (University of Michigan); Treasurer: Peter Rechmann (University of California San Francisco); Pillar Chairs: Rebecca Slayton (University of Washington); Domenick Zero (Indiana University); John Featherstone (University of California San Francisco); Mark Wolff (New York University); Doug Young (University of the Pacific)

The 1st Annual Meeting will be held this year on Wednesday October 16th in conjunction with the ADA Annual Meeting in Atlanta, Georgia. To register please go to:
https://registration.experiencevent.com/showDEN171/Flow/ATT#/registrant//CustomLogin/ or
http://www.ada.org/en/meeting

Enter group code: AACATL

The AAC website will be coming soon. If you are interested in becoming a member or receiving information from the Academy please email: sandra-guzman-armstrong@uiowa.edu
The Carver College of Medicine Office, Office of Faculty Affairs and Development is pleased to announce a partnership with the Research Development Office at the University of Iowa. They will be offering a grant writing workshop on October 24.

Dr. M.S. (Peg) AtKisson earned a PhD in neuroscience from Tufts University but has spent most of the last 16 years thinking about grant applications. In 2001, she founded the grant and research development support office at Tufts University, where she and her team helps secure $140,000,000 in grant funding through 2010. She also worked for Grant Writers’ Seminars and Workshops from 2009-2016, providing training in grantsmanship and direct support for individual applicants.
Noon Seminar Series

“Decoding your Visage: Investigations into the Genetic Basis of Human Facial Shape”

Galagan 14C DSB
Friday, July 7, 2017
12:00 – 1:00 PM

Refreshments available  Seminar Credit available

Seth Weinberg, BA, MA, PhD

Associate Professor, Department of Oral Biology
School of Dental Medicine
University of Pittsburgh

Individuals with disabilities are encouraged to attend all University of Iowa sponsored events. If you are a person with a disability who requires a reasonable accommodation in order to participate in this program, please contact The College of Dentistry at 319-335-9630.
Noon Presentation

“High-throughput Biomedical (Dental) Research: Proper Statistical Considerations.”

Galagan 14C DSB
Tuesday, July 11, 2017
12:00 – 1:00 PM

Xian-Jin Xie, PhD

Professor of Biostatistics,
Director of Biostatistics Shared Resource
Department of Clinical Sciences &
Simmons Comprehensive Cancer Center
University of Texas Southwestern Medical Center

Individuals with disabilities are encouraged to attend all University of Iowa sponsored events. If you are a person with a disability who requires a reasonable accommodation in order to participate in this program, please contact The College of Dentistry at 319-335-8690.
Noon Seminar Series

“Genetic and Epigenetic Regulations of Inflammatory Genes Involved in Periodontal Disease”

Galagan 14C DSB
Friday, July 21, 2017
12:00 – 1:00 PM

Shaoping Zhang, DDS, MS, PhD
Supervision Dentist, General & Oral (GO) Health Clinic
UNC - Chapel Hill
School of Dentistry
Noon Seminar Series

“The Effect of Market Expansions on Provider Behavior in Dentistry”

Galagan 14C DSB
Tuesday, July 25, 2017
12:00 – 1:00 PM

Refreshments available
Seminar Credit available

Shulamite S. Huang, BA, PhD
Research Instructor,
Epidemiology and Health Promotion
School of Dentistry
New York University
Notes from the
John Martin Rare Book Room
July, 2017


Du Laurens taught at Montpellier until 1598 when he was called to Paris as court physician. In this position he eventually became personal physician to Marie de Medici and King Henry IV. During the Middle Ages, tuberculosis of the lymph glands of the neck was very common and was known variously as scrofula, struma, and the "King's Evil." For centuries it was believed that the "royal touch" could cure this disease and many English and French monarchs were in the habit of touching their afflicted subjects during major religious holidays. Du Laurens was a firm believer in the effectiveness of the "royal touch" and, in this work, reports that King Henry IV often touched and healed as many as 1,500 individuals at a time. The work contains a magnificent folding copperplate engraving showing the King touching a number of sufferers who are gathered about him in a circle. The University of Iowa copy has an interesting provenance and can be traced back to Jean Auguste de Thou, its original owner, who died in 1617.