



Clinic & Research Day

2017 Winners

COLLEGE OF DENTISTRY



**Office of
Research**



30th Annual Clinic & Research Day

UIC College of Dentistry's annual [Clinic and Research Day](#) provides a forum for students, postgrads, and research staff to present research achievements to the members of the College and larger research community. Additionally, Clinic and Research Day offers **continuing education** credit opportunities, **dental products and service exhibits**, a **keynote** lecture and **student awards**. Also featured is the **CaseCAT** (Critically Appraised Topics) competitions, featuring actual cases that exemplify unique and interesting aspects of dental practice combined with critically appraised literature reviews relevant to those cases. [Research at the College of Dentistry](#) spans from “bench to chairside” to advance diagnostic and interventional knowledge and therapies in oral health and other fields.

Research Themes



[Craniofacial Pathobiology](#)

Working to improve treatment of oral cancer, caries, periodontal and other oral diseases.



[Regenerative Science](#)

Moving beyond tissue replacement, using materials to enable our bodies to regenerate damaged and failing tissues.



[Clinical, Translational & Community](#)

Leading transformative studies to improve oral health outcomes in the clinic and community.

Over 100 posters covering several topics:

- Cancer Biology/Oral Cancer
- Biomaterials/Dental Materials
- Tooth Development & Movement
- Social Science/Behavior
- Wound Healing/Tissue Regeneration & Repair
- Imaging & Therapeutic Modalities
- Case Reports & Literature Reviews

Tours and Exhibits

- Vendor exhibits will be located on the 4th and 5th floors throughout the day.
- Visit the Kottemann Gallery of Dentistry and the DuBrul Archives Room
- Tour the clinics and laboratories
- Continuing education credit



2017 Keynote Presentation

“Unravelling TMD and Complex Persistent Pain Conditions – Lessons Learned from OPPERA”

Dr. William Maixner, DDS, PhD Professor in Anesthesiology and Director, Center for Translational Pain Medicine, Duke University School of Medicine. Dr. Maixner's primary research focus is on biological, environmental, and genetic factors involved in pain transmission and modulation. Dr. Maixner leads the Center for Translational Pain Medicine within Duke University's Department of Anesthesiology. This center will incorporate basic science, clinical research, and pain management.

2017 Clinic and Research Day Awards

Award	Category	First author	Title	Primary Mentor
Illinois State Dental Society	Best Basic Science Award	Asima Chughtai	Wear of lithium disilicate glass-ceramics and enamel	Dr. Yu Zhang
Illinois State Dental Society	Best Clinical Science Award	Sebastian Przybylo	Effect of thermocycling of gutta-percha obturation pellets on melting temperatures	Dr. Satish Alapati
Omicron Kappa Upsilon Sigma Chapter	Best Basic Science Award	James Appiah	NGF modulation in LTA-stimulated pulp fibroblasts controls neurite outgrowth through ectopically expressed complement C5a receptor	Dr. Seung Chung
Omicron Kappa Upsilon Sigma Chapter	Best Clinical Science Award	Spyridon Hasiakos	S1P demonstrates valuable properties as therapeutic factor for regenerative endodontics	Dr. Xianghong Luan
Case Reports	1 st place	Chad Petersen	A rare, aggressive ameloblastoma with features of malignancy: a case report	Dr. Michael Markiewicz
Case Reports	2 nd place	Alexander Munaretto	Inferior alveolar nerve injury from endodontic treatment: a small case series	Dr. Michael Miloro
Literature Reviews	1 st place	Amy Shah	The effectiveness of articaine mandibular infiltration anesthesia vs. lidocaine inferior alveolar nerve block in pediatric patients: review of the literature	Dr. Evelina Kratunova
Literature Reviews	2 nd place	Shahad AlShamali	Clinical and radiographic success of mineral trioxide aggregate vs. ferric sulfate as a pulpotomy treatment in primary molars	Dr. Sahar Alrayyes
Pre-doctoral students	Basic Science 1 st place*	Bhumi Dalal	Calvarial bone development and suture closure in <i>Dicer</i> deficient mice	Dr. Phimon Atsawasuwan
Pre-doctoral students	Basic Science 2 nd place	James Appiah	NGF modulation in LTA-stimulated pulp fibroblasts controls neurite outgrowth through ectopically expressed complement C5a receptor	Dr. Seung Chung
Pre-doctoral students	Clinical and Translational Sciences 1 st place**	Spyridon Hasiakos	S1P demonstrates valuable properties as therapeutic factor for regenerative endodontics	Dr. Xianghong Luan
Pre-doctoral students	Clinical and Translational Sciences 2 nd place	Samantha Cordell	The use of mouthguards for prevention of oral sports injuries in children: satisfaction study	Dr. Anne Koerber

Award	Category	First author	Title	Primary Mentor
Graduate Students	1 st place	Elizabeth Michalczyk	Low-density lipoprotein receptor-related protein 6 contributes to wound angiogenesis	Dr. Luisa DiPietro
Graduate Students	2 nd place	Gabriella Szewczyk	An Rgg-mediated quorum sensing system controls <i>streptide</i> expression in the cariogenic bacterium <i>Streptococcus mutans</i>	Dr. Michael Federle
Post Graduate Clinical Fellows	Basic Science – 1 st place	Manika Agarwal	Long-term effects of different cleaning methods on properties of Vivera and ACE clear retainer materials	Dr. Phimon Atsawasuwan
Post Graduate Clinical Fellows	Basic Science – 2 nd place	Saad AlResayes	Corrosion behavior of Roxolid® (TiZr) dental implant alloy compared to CpTi and Ti6Al4V alloys	Dr. Sahar Alrayyes
Post Graduate Clinical Fellows	Clinical and Translational Sciences– 1 st place	Allison Horn	Comparison of Dexis CariVu to traditional bitewing radiography for diagnosis of interproximal caries in primary and young permanent teeth	Dr. Sahar Alrayyes
Post Graduate Clinical Fellows	Clinical and Translational Sciences– 2 nd place	Lucas Carubia	The effect of dried fruits consumption on viability of salivary bacteria in young children	Dr. Christine Wu
Post Graduate Clinical Fellows	Clinical and Translational Sciences– 3 rd place	David Salomon	Outcome of immediate allograft reconstruction of long span defects of the inferior alveolar nerve	Dr. Michael Miloro
Postdoctoral Fellow/Junior Faculty	1 st place	Ruiwei Liang	Effect of NF-κB haploinsufficiency on bone repair	Dr. Lyndon Cooper
Research Associates	1 st place	Wei Li	Chewing gum containing magnolia bark extract inhibits regrowth and glycolysis of human supragingival plaque biofilm	Dr. Christine Wu
Undergraduates	1 st place	Scott Bicknell	NG2 internalization is elevated in articular chondrocytes during late stage degenerative joint disease in the TMJ	Dr. David Reed
Undergraduates	2 nd place	Nageeb Hasan	Elevated OMI/HtrA2 in articular cells during degenerative joint disease in the TMJ	Dr. David Reed
Cancer Center Award	1 st place	Jennie Leikin	MicroRNA from brush biopsy to characterize oral squamous cell carcinoma epithelium	Dr. Guy Adami

Award	Category	First author	Title	Primary Mentor
Cancer Center Award	2 nd place	Angelica Lagunas	Telomere DNA damage reveals novel insights into oral cancer metastasis	Dr. David Crowe
CCTS Award	1 st place	Elizabeth Guirado	Role of DMP1 in impaired dentin mineralization of XLH-patients	Dr. Anne George
CaseCAT participation recognition		Reihaneh Ghoreishi	Periodontal necrosis induced by thermal trauma following a root canal retreatment visit	Dr. Nadia Kawar
Schour Award		Hoda Fakhari		
AADR Chicago Section Travel support	Travel award	Prashant Bommi, Caius Coretchi, Marybeth Francis, Elizabeth Guirado,	Spyridon Hasiakos, Annette Merkel, Elizabeth Michalczyk, Joshua Padovano, Sebastian Przybylo, Gabriella Szewczyk	
AADR Travel Award		Annette Merkel		

* This student will also represent the college at the Hinman Award Competition

** This student will also represent the college at the Dentsply Award Competition