33rd annual

RESEARCH DAY

Thursday, April 10, 2025

Keynote Speaker

Hyun (Michel) Koo, DDS, MS, PhD

SCHOOL OF DENTISTRY

IUSD RESEARCH DAY PROCEEDINGS

VOLUME 33
APRIL 10, 2025

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Poster and Clinical Case Reports Abstracts + Index	Pages will be added soon

Research Day Monograph Editor **Keli Seering**

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Xiao J, Klein MI, Falsetta ML, Lu B, Delahunty CM, Yates JR III, et al. (2012) The Exopoly saccharide Matrix Modulates the Interaction between 3D Architecture and Virulence of a Mixed-Species Oral Biofilm. PLoS Pathog 8(4): e1002623. https://doi.org/10.1371/journal.ppat.1002623

EVENT SCHEDULE

WEDNESDAY APRIL 9, 2025 - IU INDY CAMPUS CENTER (CE) 4TH FLOOR

5:00 - 8:00 p.m.	Student Research Awards Competition	

THURSDAY APRIL 10, 2025 - IU INDY CAMPUS CENTER (CE) 4TH FLOOR

11:00 a.m.	Exhibitor Tables Open (Prefuntion Lounge, CE 4th Floor)	Exhibitors
12:00 - 1:00 p.m.	Registration (Campus Center 4th Floor)	Research Day Attendees
1:00 - 1:10 p.m.	Welcome Remarks (CE 450B-C)	**Dr. Carol Anne Murdoch-Kinch** Dean, IU School of Dentistry
1:10 - 1:20 p.m.	IU School of Dentistry Research Update	**Dr. Tien-Min Gabriel Chu** Associate Dean for Research, IU School of Dentistry
1:20 - 1:25 p.m.	Introduction of Keynote Speaker	**Dr. Tien-Min Gabriel Chu** Associate Dean for Research, IU School of Dentistry
1:25 - 1:55 p.m.	Keynote Address: Exploring Biofilm Microbiomes: Integrating Biology, Engineering, and Dentistry	**Dr. Hyun (Michel) Koo** Co-Founder and Co-Director of Center for Innovation & Precision Dentistry, Professor of Orthodontics, School of Dental Medicine, University of Pennsylvania
1:55 - 2:05 p.m.	Announcement of Faculty and Staff Awards	**Dr. Carol Anne Murdoch-Kinch** Dean, IU School of Dentistry
2:05 - 2:35 p.m.	Announcement of Student Research Awards and Student Research Presentations	**Dr. Angela Bruzzaniti** Director of Student Research, Director of PhD Training & Research Development, IU School of Dentistry
2:35 – 3:00 p.m.	Announcement of Poster Presentation Awards	**Dr. Chandler Walker** President-elect, Indiana Section of AADOCR Associate Professor of Biomedical Sciences & Applied Sciences, IU School of Dentistry
3:00 - 4:30 p.m.	Research and Clinical Case Report Poster Presentations (CE 450A, 405, 409)	Research Day Participants

3:00 p.m. to 3:45 p.m. Even-numbered Posters and Clinical Case Reports
3:45 p.m. to 4:30 p.m. Odd-numbered Posters and Clinical Case Reports

LETTER OF WELCOME:

INDIANA UNIVERSITY SCHOOL OF DENTISTRY
OFFICE OF RESEARCH

April 10, 2025

Dear Colleagues:

Welcome to the 33rd Annual Indiana University School of Dentistry Research Day!

Today, we gather to honor our students and faculty's research achievements from the past year. Research has always been a core tenet of IUSD's mission and vision. Year after year, we aspire to curate communal research efforts between the students, faculty, staff, research collaborators, and industrial partners to continue our efforts in improving our care for the oral health needs of our community and beyond.

Over the past seven years, IUSD has consistently secured new federal funding, marking the longest streak in our history. Last year, IUSD achieved a record high with $7.4 million in total awards, more than doubling the $3.1 million from 2022. More than 60 percent of all 2025 awards were from federal grants, a total of $4.7M

According to the Blue Ridge Institute of Medical Research, IUSD's ranking in dental school NIH funding improved from 41st in FY2021 to 24th in FY2024, placing IUSD in the top third among the 73 dental schools in the United States. IUSD's research growth is boosting Indiana University Indianapolis' (IUI) prestigious R1 status just awarded this year. IUSD research expenditures skyrocketed by 65%, from $2.9 million in 2022 to $4.8 million in 2024. This extraordinary growth encompasses diverse fields such as dental informatics, oral microbiology, bone biology, aging studies, muscle engineering, practice-based research, and interprofessional care.

On this 2025 IUSD Research Day, let our past success invigorate us as we forge new paths ahead with the new information gleaned from today's research posters and clinical case presentations which I trust you will find informative and engaging.

I would like to welcome today's keynote speaker, Dr. Hyun (Michel) Koo, professor of orthodontics at The University of Pennsylvania School of Dental Medicine and thank him for taking time to share his experience integrating biology and engineering with dentistry.

I want to thank Dean Murdoch-Kinch for her unwavering support of this annual event. I also want to thank the Research Day Planning Committee and the Indiana section of the American Association for Dental, Oral, and Craniofacial Research for the excellent planning and execution of this annual event. Thank you also to our sponsors who help support this important day.

Finally, I invite you to enjoy this research day to learn and to be inspired by our speakers and by the presentations from our students, staff, and faculty.

Best wishes to all of the 33rd annual IUSD Research Day participants!

Sincerely,

Tien-Min Gabriel Chu DDS PhD
Professor and Associate Dean for Research

PLANNING COMMITTEE

Hawra AlQallaf
Krsity Beach
Angela Bruzzaniti
Katie Chester
Tien-Min Gabriel Chu
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Newsletter Editor: Hailey Lock
Faculty Advisor: Angela Bruzzaniti

RECOGNIZING EXCELLENCE

2025 AWARDS

DENTAL HYGIENE STUDENTS

IU Indianapolis Dental Hygiene Research Day Award

IU Fort Wayne Oral Health Research Award

PREDOCTORAL DENTAL STUDENTS

AADOCR Student Research Day Award

Cyril S. Carr Research Scholarship

Dean's Award for Research Excellence

Dentsply Sirona/AADOCR SCADA Award Program - Selected Participant

IDA Student Research Award

King Saud University Travel Award for Predoctoral Student Research

Predoctoral Student Best Clinical Case Report Award

Recognition of Outstanding Research Engagement

Research Honors Program - Certificate of Achievement

GRADUATE DENTAL STUDENTS

Delta Dental Award for Innovation in Oral Care Research

King Saud University Travel Award for Best Clinical Case Report

King Saud University Travel Award for Graduate Student Research

King Saud University Travel Award for PhD Student Research

Maynard K. Hine Award for Excellence in Dental Research

The Stookey Trailblazer Student Researcher Award

The Stookey Preventive Dentistry Research Award

STAFF

IUSD Research Staff Award

FACULTY

The Stookey Trailblazer Faculty Researcher Award

ABOUT OUR KEYNOTE SPEAKER

DR. HYUN (MICHEL) KOO

Dr. Koo is a dentist-scientist trained in food engineering and cellular microbiology, and an inventor with multiple patents. He is a professor in the schools of dental medicine and engineering at the University of Pennsylvania. As co-founder/director of the Center for Innovation & Precision Dentistry, he bridges clinicians, scientists, and engineers to advance oral and craniofacial health through research, training, and entrepreneurship. Dr. Koo also directs an NIDCR T90R90 training program at the intersection of dental medicine and engineering, focusing on disease mechanisms, affordable therapies, and precision diagnostics. His research explores how biofilm and microbiome interactions cause oral diseases as well as seeking new therapeutic and diagnostic approaches by integrating nanotechnology, material sciences, and robotics. He has published extensively in dental, biomedical, and multidisciplinary journals, including PNAS, Science, Nature Communications, Science Robotics, JCI as well as in Nature Reviews and Cell Press Trends journals. He is an elected AAAS fellow, the recipient of the IADR Distinguished Scientist and Innovation in Oral Care Awards, STAT nationwide finalist for Best Innovations in Science and Medicine, and Clarivate Highly Cited Researcher. He has served on several NIH panels and AADOCR/IADR scientific committees and has a career-long mentoring commitment with many of his trainees securing faculty and industry R&D positions in the U.S. and worldwide.

The Research Day keynote address is titled **“Exploring Biofilm Microbiomes: Integrating Biology, Engineering, and Dentistry.”** The study of oral biofilms has advanced the knowledge about the composition, diversity, and spatial organization of the human microbiome. Microbes in biofilms form highly structured and organized communities that contain not only bacteria but also fungi and viruses. Importantly, the spatial organization dictates where microbes are located and associated to each other and with the host surfaces, which has direct implications on how the community functions to cause diseases in the oral cavity. This presentation discusses recent discoveries about the spatial structure of oral biofilms and new antibiofilm strategies by integrating the fields of biology, engineering, and AI, while sharing a personal journey as a dentist-scientist embracing multidisciplinarity in research and training.

IUSD FACULTY RESEARCHERS

SERVING AS A PI/CO-PI ON FEDERAL GRANTS

Following a year with record-high awards, there's no shortage of impactful research conducted within the halls of IUSD. Projects cover fields from bone biology to muscle engineering, with new advancements being discovered each month.

Peruse the following list of our dedicated faculty, curated for their breakthroughs, developments, and progress that have catapulted IUSD into the 30th percentile of NIH funding for US dental schools, and helped Indiana University Indianapolis secure it's R1 status earlier this year.

ANGELA BRUZZANITI, PHD

DIRECTOR OF DENTAL STUDENT RESEARCH, DIRECTOR OF PHD TRAINING & RESEARCH DEVELOPMENT, PROFESSOR OF BIOMEDICAL AND APPLIED SCIENCES

▪ The Bruzzaniti Bone Research Laboratory is focused on unraveling the signaling proteins and intracellular mechanisms that control bone cellfunction, cellular crosstalk, and their effects on bone mass. Our impactful studies have identified novel proteins that are critical for bone health, which are being investigated for potential clinical translational approaches to restore oral and systemic bone loss. This research isfunded by the NIH-NIAMS. The following are several key findings and ongoing studies.

a. We discovered that the Pyk2 tyrosine kinase is a dual regulator of bone formation and resorption and are elucidating its mechanism of action in male versus female mice. Weare also developing Pyk2 chemical inhibitors for bone-targeted applications.

b. We were the first to report a skeletal role for Kalirin, a novel GDP/GTP exchange factor. Our findings showing that Kalirin regulates osteoclast and osteoblast activity as well as osteocyte morphology, function and survival have human translational implications for preserving bone mass and quality, fracture resistance and craniofacial bone remodeling.

c. We are investigating signaling between osteoblasts and bone marrow niche cells,including megakaryocytes and bone-resident osteomacs, all of which are critical formaximal bone formation.

▪ Dr. Bruzzaniti research interests also include a clinical research program and along with Drs.Srinivasan and Thyvalikakath, received a large NIH-NIDCR U01-PRIMED grant. This clinicaland educational research grant is aimed at identifying early biomarkers of Sjogren's diseaseas well as enhancing the practice-based clinical research skills of future dental clinicians.Dental and Hygiene students are encouraged to apply to participate.

▪ Dr. Bruzzaniti also holds several administrative positions and directs the PhD, DDS/PhD andother DDS research programs. Students at all levels are encouraged to reach out for moreinformation about how to participate in research.

View Dr. Bruzzaniti's recent publications

E. ANGELES MARTINEZ MIER, DDS, MSD, PHD

ASSOCIATE DEAN OF GLOBAL ENGAGEMENT, DEPARTMENT CHAIR AND PROFESSOR OF DENTAL PUBLIC HEALTH AND DENTAL INFORMATICS

DR. MARTINEZ MIER'S RESEARCH TEAM

Our research centers on community-driven strategies, with a focus on fluoride exposure, preventive interventions, and assessing the training of future dental professionals in community settings. We integrate epidemiology, biomarker analysis, and hands-on public health initiatives.

A core focus of our work is fluoride exposure and its role in health and disease. We investigate how populations encounter fluoride through water, salt, diet, and dental products. By assessing exposure at both individual and community levels, we bridge perspectives in environmental epidemiology and dental research to improve oral and overall health outcomes.

Our federally-funded research in vulnerable populations has informed fluoride safety policy, while student-led studies have advanced understanding of how diet and food preparation influence daily fluoride exposure. Our research on preventive strategies for oral health has informed dental practice, bridging gaps through evidence-based approaches.

The federally-funded implementation and assessment of our community-based education model ensures dental training is evidence-based. Embedding students in community settings has enhanced care delivery and expanded the workforce in underserved areas.

Our findings inform oral health policy through data-driven insights that guide decision-making at local, national, and international levels. By bridging research and practice, we enhance dental education, strengthen public health initiatives, and support preventive strategies that lead to long-term improvements in oral health.

View Dr. Martinez Mier's recent publications

YASUYOSHI UEKI, MD, PHD

ASSOCIATE PROFESSOR BIOMEDICAL AND APPLIED SCIENCES

Ueki's lab, located in the Indiana Center for Musculoskeletal Health (ICMH) on the 5th floor of the MS building, has three major research areas. We are investigating 1) the genetic cause of the human craniofacial disorder cherubism (OMIM#118400) and periodontitis, 2) the mechanism bywhich SH3BP2, also known as the gene responsible for cherubism, regulates osteoclast formation to cause bone destruction, and 3) how activation of immune and inflammatory signaling pathways of osteocytes regulates bone resorption and immune cell recruitment to the bone marrow. We use a variety of cutting-edge technologies, including high-throughput human genome sequencing, gene targeting in mice, tissue-specific gene knockout in mice, and bioinformatics to carry out these projects.

View Dr. Ueki's recent publications

Yasuyoshi Ueki M.D., Ph.D. Associate Professor Biomedical and Applied Sciences, Indiana University School of Dentistry
Office & Lab: Indiana Center for Musculoskeletal Health (ICMH), Indiana University School of Medicine
Van Nuys Med Sci Bldg, Rm 514, 635 Barnhill Dr, Indianapolis, IN 46202
E-mail: uekiy@iu.edu Tel:317-278-6580 (Office)/6581(Lab)

THANKAM PAUL THYVALIKAKATH, DMD, MDS, PHD, FACMI

ASSOCIATE DEAN OF DENTAL INFORMATICS AND DIGITAL HEALTH, DIRECTOR OF DENTAL INFORMATICS PROGRAM, PROFESSOR OF DENTAL PUBLIC HEALTH AND DENTAL INFORMATICS

The joint dental informatics program between the Indiana University School of Dentistry and Regenstrief Institute, Inc., is located on the third floor of Coleman Hall. The program's research areasinclude utilizing linked electronic health and dental record data to assess patient care processes and outcomes; harnessing machine learning to predict patient outcomes; applying natural language processing techniques to characterize patient's conditions; establishing interoperability to promote health information exchange between dental and medical providers; and leveraging artificial intelligence in developing and evaluating clinical decision support tools to improve decision-making.

View Dr. Thyvalikakath's recent publications

SURABHI MISHRA, MSC, MTECH, PHD

ASSISTANT PROFESSOR OF BIOMEDICAL AND APPLIED SCIENCES

My lab's primary focus is to understand the structure, function, and biogenesis of cytoplasmic membrane proteins in bacteria, using the cariogenic pathogen Streptococcus mutans as a model. The cytoplasmic membrane is an essential structure in every cell that defines what will enter and leave the cell. It comprises a lipid bilayer and houses one-third of an organism's proteome, including proteins involved in transport, signal transduction, biofilm, and other virulence attributes of bacteria. An essential property of membrane proteins is the presence of one or more hydrophobic transmembrane domains, which require a multiprotein-RNA complex for transport into the lipid bilayer. While the components of the membrane biogenesis machinery and the mechanisms involved are primarily shared between bacteria, particularly S. mutans, and eukaryotic organelles, a significant knowledge gap remains in their mechanism. We employ multidisciplinary approaches to evaluate membrane protein translocation pathways and substrates, such as molecular genetics, solid-state NMR, multi-omics, in vitro transcription/translation/translocation, and coarse-grained Martini modeling. Additional research interests include understanding the homeostasis of enamel-relevant metals (magnesium and calcium) in streptococci. Significant achievements in the recent past include dissecting the structure-function of two distinct YidC paralogs in S. mutans, a feature shared with mitochondria and chloroplasts.

Funding Support:
NIH/NIDCR (R01): Membranes of the Dental Pathogen Streptococcus mutans. (R01DE008007; Total Direct Costs: $2,739,723; July 2023-June 2027).

View Dr. Mishra's recent publications

ALEXANDRU MOVILA, PHD

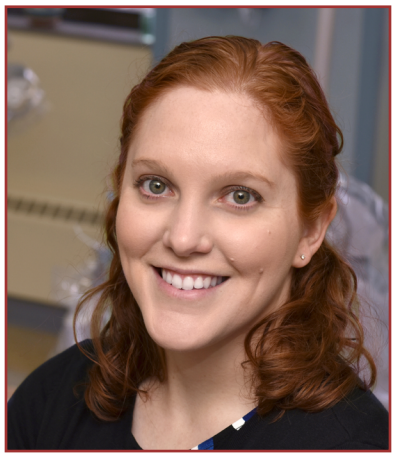
ASSOCIATE PROFESSOR OF BIOMEDICAL AND APPLIED SCIENCES

Dr. Alexandru Movila is trained as a microbiologist and neuroimmunologist with a strong emphasis on aging. He has expertise in oral biology, aging and systemic diseases. His lab combines multidisciplinary, cutting-edge assays in untargeted metabolomics, microbiology, and neuroimmunology to study crosstalk between bacterial-derived metabolites and host cells in the context of elevated periodontitis, oral cancer, and dementia. In addition, his lab focuses on understanding the impact of periodontal inflammation on accelerated aging in relation to military and environmental toxic exposures. Dr. Movila's lab collaborates closely with scientists from the Indiana University School of Dentistry, School of Medicine, School of Science, Stark Neuroscience Institute, Indiana Center for Musculoskeletal Health, and the Richard L. Roudebush VA Medical Center. His collaborative research is supported by several federal grants from the NIH and the VAMerit, as well as the Hevolution Foundation. As a Founding Director of the Imaging core at ICMH, he provides support for IUSD and ICMH investigators with their imaging projects using confocal microscopy. He is a senior corresponding or co-author of 56 peer-reviewed studies published in the Journal of Periodontal Research, Journal of Biomedicine and Pharmacotherapy, Frontiers in Immunology, and others.

View Dr. Movila's recent publications

ALLISON SCULLY, DDS, MS

DIRECTOR OF PREDOCTORAL PROGRAM AND ASSISTANT PROFESSOR OF PEDIATRIC DENTISTRY



Dr. Allison Scully is federally funded through the Health Resources and ServicesAdministration (HRSA) through a 5-year K02, career development grant. The goals of thegrant are: 1) to support Dr. Scully's growth as an educator in pediatric dentistry, and 2) toinnovatively transform how early childhood oral health prevention and treatment isaccessed and provided for Indiana children. Through this grant, Dr. Scully has completedmany additional continuing education courses in clinical dentistry, education, leadership,research, and holistic development. She is working towards a MS degree in Education ofHealthcare Professionals. Dr. Scully has co-authored 10 publications since the beginningof the grant, was named a Fellow of the American Academy of Pediatric Dentistry and hasreceived additional competitive grants totaling over $50,000 to directly support her workteaching dental students in the clinic. Dr. Scully was recently named a recipient of theprestigious American Dental Association's (ADA) 10 Under 10 Award which recognizes andcelebrates dentists who demonstrate excellence and inspire others in science, research &education, practice, philanthropy, leadership, and advocacy.Dr. Scully's HRSA grant also supports the initiation and continuation of additional clinicalexperiences in pediatric dentistry for dental students and residents. So far, 89 studentshave treated an additional 336 patients, providing over 1300 procedures to underservedpatients living in rural Indiana. In addition to teaching dental students, Dr. Scully hasstarted training medical colleagues in oral health screenings and fluoride varnishapplications. Nurse practitioner and medical students rotate through the pediatric clinic togain hands on experience in oral health, while practicing providers are given continuingeducation courses.

View Dr. Scully's recent publications

MYTHILY SRINIVASAN, BDS, MDS, PHD

ASSOCIATE PROFESSOR OF ORAL PATHOLOGY, MEDICINE AND RADIOLOGY

Salivary research and immunotherapeutics laboratory (Srinivasan Lab)

Two broad research focus areas:

I. Salivary biomarker research The goals of this project are to identify molecular markers for oral and systemic diseases including chronic periodontitis, chronic autoimmune inflammatory conditions including Sjogren's disease, diabetes and log COVID.

II. Peptide immunotherapeutics: This is similar to a drug discovery program to developantagonists/steric inhibitors of critical protein: protein interactions in chronic inflammatoryprocess to suppress disease progression. The research is protected by fully issued patents.

View Dr. Srinivasan's recent publications

RISHMA SHAH, BDS, MSC, PHD

ASSOCIATE PROFESSOR OF ORTHODONTICS AND ORAL FACIAL GENETICS

Shah Lab for Craniofacial Muscle Research

The Problem: Craniofacial deformity is debilitating, negatively affecting one's quality of life and the abilityto integrate well into society. Such deformity may be congenital (e.g. craniofacial microsomia), or following trauma or surgery for disease removal. It has been shown surgical reconstruction increases attractiveness and decreases negative facial perception, as judged by the general public. Unfortunately, large volumetric muscle defects are very difficult to manage, with current methods of autologous grafting or use of fillers or prostheses fraught with limitations, including tissue mismatch and resorption.

The Potential Solution: Tissue engineering is an interdisciplinary field, which aims to provide substitute tissues and organs identical to that missing or defective. The provision of identical tissue allows for better integration and function, and a more permanent solution to those currently in place. Our long-term goal is permanent restoration of craniofacial soft tissue defects using precision-engineered autologous craniofacial skeletal muscle tissue.

Achievements

For the past twenty-five years, our lab has been at the forefront of craniofacial muscleregeneration. Our philosophy is that functional muscle tissue regeneration is possible using a craniofacial muscle stem cell population combined with 3D-printed scaffolds, growth factors,mechanical loading, and low-intensity pulsed ultrasound. We have demonstrated the ability to reliably build *in vitro* craniofacial muscle tissue that expresses markers of muscle fiber formation and maturation. Our more recent work has shown simultaneous formation of tendon tissue, the critical connection between muscle and bone. Our lab has published in eminent journals such as Biomaterials and Tissue Engneering, presented at national and international meetings, secured >$2.5m in funding, and many of our students have been awarded MS or PhD degrees in tissue engineering. The current goals are to test our engineered tissue *in vivo* and provide innervation.

View Dr. Shah's recent publications

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PREVIOUS YEAR SUMMARY:

IUSD RESEARCH DAY 2024

The dental school came together to celebrate our research achievements at the 32nd Annual Research Day on April 10, 2024, at the IU Indianapolis Campus Center. One hundred and eleven students, faculty, and staff members presented 94 research projects. Dr. Jane Weintraub, former dean at University of North Carolina at Chapel Hill Adams School of Dentistry, immediate past president of the American Association for Dental, Oral and Craniofacial Research (AADOCR), and the first R. Gary Rozier and Chester W. Douglass Distinguished Professor in Dental Public Health offered the keynote address, sharing wisdom from her 40-year research career in her talk, “The Hunt to Understand and Prevent Oral Disease: Clinical trials, tribulations and other research adventures.”

DENTAL HYGIENE STUDENTS

IU Indianapolis Dental Hygiene Research Day Award **Marika Herron and Tiana Wright**
Honorable Mention: Courtney Sparks and Abilene Drake

IU Fort Wayne Oral Health Research Award **Haley Hooley**

PREDOCTORAL DENTAL STUDENTS

AADOCR Student Research Day Award **Naomi Riley**

Cyril S. Carr Research Scholarship **Parham Karimi, Brittany Gehlhausen, Jose Herrera**

Dean’s Award for Research Excellence **Andrew Doan, Navia Novosel**

Dentsply Sirona/AADOCR SCADA Award Program - Selected Participant **Johnna Snider**

IDA Student Research Award **Navia Novosel**

King Saud University Travel Award for Predoctoral Student Research **Parham Karimi**

Predoctoral Student Best Clinical Case Report Award **Ashley Blankenbaker**

Recognition of Outstanding Research Engagement **Naomi Riley (D2), Johnna Snider (D3), Brittany Gehlhausen (D4)**

Research Honors Program - Certificate of Achievement **Andrew Doan (DDS), Brittany Gehlhausen (DDS), Parham Karimi (DDS), Sara Alhaffar (DDS), Carrie Lane (DDS), Aparna Chintapalli (DDS), Navia Novosel (DDS), Deepthi Devireddy (DDS), Jose Herrera (DDS)**

GRADUATE DENTAL STUDENTS

Delta Dental Award for Innovation in Oral Care Research **Jacob Gussert**

King Saud University Travel Award for Best Clinical Case Report **Matthew Thompson**

King Saud University Travel Award for Graduate Student Research **Lucy Knippenberg**

King Saud University Travel Award for PhD Student Research **Drashty Mody**

Maynard K. Hine Award for Excellence in Dental Research **Giovanna Denucci**

The Stookey Trailblazer Student Researcher Award **Katie Chester**

The Stookey Preventive Dentistry Research Award **Giovanna Denucci**

STAFF

IUSD Research Staff Award **Lauren Levendoski**

FACULTY

IU School of Dentistry Alumni Association Distinguished Faculty Award for Research **Dr. Mythily Srinivasan**

The Stookey Trailblazer Faculty Researcher Award **Dr. Thankam Thyvalikakath**

CONGRATULATIONS

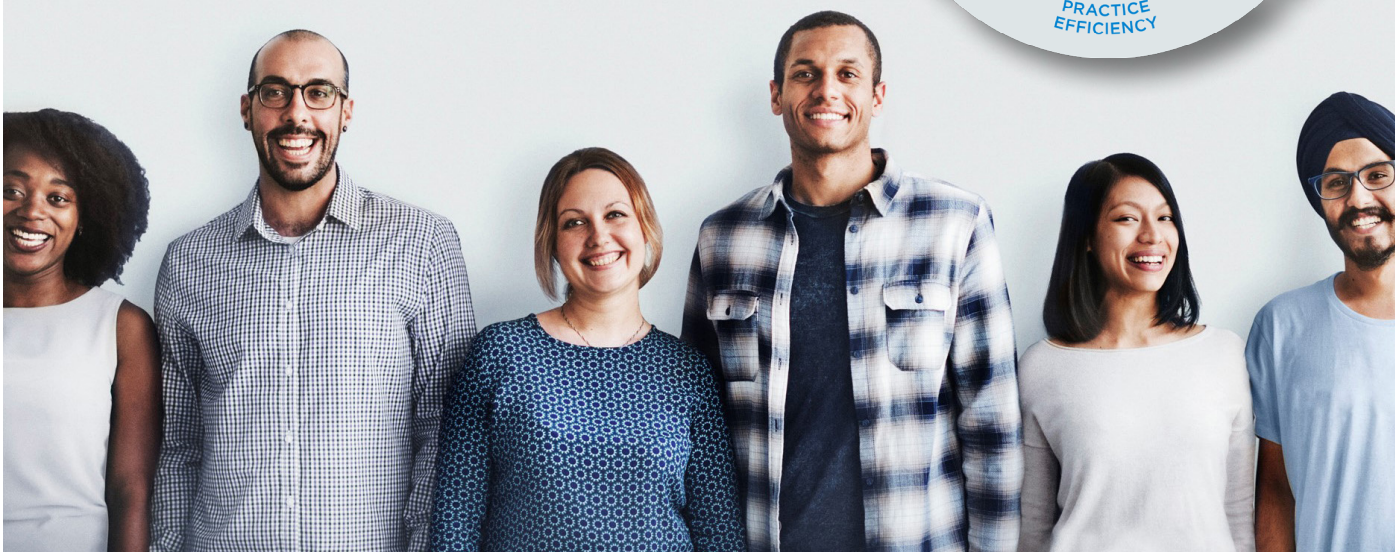
to the Indiana University School of Dentistry Research Day award recipients and participants.

The Delta Dental Foundation is proud to support programs and services that improve oral and overall health, promote health equity, and enhance the quality of life in our communities.

DELTA DENTAL FOUNDATION

www.deltadental.foundation

Caring for patients is your priority, helping you care for them is ours.



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