Tufts Wins Big at AADR Annual Meeting

Seventy-three Tufts faculty, staff, and students traveled to Ft. Lauderdale, FL to attend and present at the AADR Annual Meeting March 21-24, 2018. Of those who attended 45 students, 5 staff members, and 10 faculty members presented oral or poster presentations. Dental Research Administration (DRA) operated an informational booth at the exhibit hall manned by Tufts students. DRA, along with the offices of Development and Alumni Relations, hosted a reception for the alumni and corporate sponsors in the Ft. Lauderdale area. The following day DRA organized a dinner for the Tufts faculty, staff, and students who attended the AADR meeting.

Tufts was well represented at the meeting and was honored with receiving two awards. Both awards were given by the AADR NSRG (National Student Research Group). The first award was given for the “Best Local Student Research Group Newsletter” here is a link to the TUSDM SRG Newsletter. The second award was given for the “Most Student Abstracts Accepted into 2018 AADR/CADR Annual Meeting & Exhibit” for having 45 student poster and oral presenters. This is the 5th year TUSDM has won the award for most student presenters.

Yusuf Sheikh D’18 received the first annual AADR/Dentsply Sirona SCADA (Student Competition for Advancing Dental Research and its Application) award at 2017 Bates Andrews Research Day. Yusuf was selected to represent TUSDM at the AADR meeting in Ft. Lauderdale, FL. During his time at the meeting he presented his research titled “Long-term Outcomes of Periodontal Regenerative Therapy: A Retrospective Study” for which he received the award and also participated in SCADA receptions, dinners, closed door judging, hands-on workshops, and award receptions. Congratulations Yusuf!

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Research Awards Dinner

Bates-Andrews Research Day was held on 3/7/18 and was a huge success. The Bates-Andrews Research Awards Dinner was held in May, by invitation only, recognizing the students, faculty, and staff members who participated in the 2018 Bates-Andrews Research Day. Bates Day awards were given, and new members were inducted into the Robert R. Andrews Research Honors Society. Dr. John Morgan a Professor at TUSDM in the Public Health Department spoke at the dinner. Dr. Morgan and his research was just featured in the Tufts Dental Magazine, please click on this link to read the article.
The Student Fellowship Program allows TUSDM pre-doctoral students to earn a stipend while conducting a research study under the supervision of a faculty mentor. Applications are now in process of being reviewed by the Research Committee. Students whose proposals are accepted should contact Nicolette.Kafasis@tufts.edu, who will assist with the submission to the IRB. For studies not involving human subjects, samples or data, there is still an internal DRA approval process. All students should contact Nicolette as, no study activities can begin until the appropriate approval has been received. Students working on a materials project should also contact Jeffrey.Daddona@tufts.edu to begin mandatory lab safety training and schedule a time to work in the Dr. J. Murray Gavel Lab in DHS 833. D21 students will participate in a mini-course run by Dr. Addy Alt-Holland and Eileen Doherty. This course will consist of three noontime meetings, with an online discussion forum to stay connected between meetings. It is designed to instruct first-year students on the basics of conducting a sound research project, and underscore the importance of evidence-based dentistry. D19/D20 research students wanting to participate can contact Eileen.doherty@tufts.edu for additional details. Further details regarding the paperwork necessary to receive the stipend will be sent to the accepted students in the coming weeks. If you would like more information on the Student Fellowship Program please visit our website.
Sixty-five pre-doctoral and post-doctoral students presented their research to the TUSDM community at Bates-Andrews Research Day on March 7th. The event was well attended by TUSDM faculty, staff, and students. In addition, there were 22 corporate sponsors also in attendance, displaying their products and handing out free samples. The student award winners listed below will be recognized at the Bates-Andrews Research dinner this month. Congratulations to all!

Best Postgraduate Poster Presentation - Dr. Pooyan Refahi (Periodontics)
“Minimally Invasive Mucogingival Procedures: Assessing the Level of Evidence” Mentor: Dr. Irina Dragan

Best Scientific Research Presentation by a Senior - Timothy Reichheld
“Evaluation of Monobond Plus with SpeedCEM Plus for Orthodontic Purposes” Mentors: Drs. Ronald Perry and Gerard Kugel

AADR/Dentsply Sirona Student Competition for Advancing Dental Research and its Application - Grace Kim
“Storage Temperature Effect on Fluoride Varnishes: Bioavailable Fluoride and Viscosity” Mentors: Drs. Gerard Kugel and John Morgan

Second Place Award for Predoctoral Table Clinic - Stanley Ojukwu
“Treatment of Severe Odontogenic Infection: Antibiotic Management Preferences of Oral Surgeons” Mentor: Dr. Archana Viswanath

Third Place Award for Predoctoral Table Clinic - Annie Rao
“Assessing the Usage and Confidence in Oral Cancer Screenings at Tufts University School of Dental Medicine” Mentor: Dr. Archana Viswanath

Research Committee Award for Basic Science Research - Sara Mir
“Delineating Epithelial-Stromal Interactions in Basal Cell Carcinoma Development” Mentor: Dr. Addy Alt-Holland

Massachusetts Dental Society and ASDA Public Health Award - Kaitlyn O’Connell
“A Survey of Caregivers Regarding Dental Care for Autistic Children” Mentor: Dr. David Leader

Omicron Kappa Upsilon (OKU) Hilde Tillman Award - Trish Dang and Sang Joon Lee

Dr. Chad Anderson Family Award for Innovative Methodology and Research Design - Syed Hussain
“Does Disinfecting Extracted Teeth with NAClO Affect Shear Bond Strength” Mentors: Drs. Steven Eisen and Gerard Kugel

Esthetic Dentistry Award - Jesse Feuerstein and Tyler Beninati
“Evaluation of Dentin Permeability and Microleakage with Different Bonding Systems” Mentors: Drs. Gerard Kugel and Steven Eisen

Scientific Merit Award for First-Time Presenters - David Michaels
“Material Flexural Strength Comparison using Marketed and Experimental Automix Tips” Mentors: Dr. Gerard Kugel

Bates Student Research Group “Peer-reviewed” Award: Mythilee Kugathasan
“Is There a Reduction in Facial Swelling when Intraoperative Corticosteroids are Used” Mentor: Dr. Archana Viswanath

ADEA Student Group Educational Research Award: Benjamin Smith
“Perspectives on the Use of Learning Catalytics in the Curriculum” Mentors: Drs. Irina Dragan, Nadeem Karimbux and Ms. Jennipher Murphy

Procter & Gamble AADR Traveling Fellowship Award: Craig Holliday
“Treating Hyposalivation: Efficacy and Adverse Effects on Pilocarpine vs. Cevimeline” Mentor: Dr. Arwa Farag

AADR Student Research Day Award - Delaney Turner
“Clinical Performance of CAD/CAM Generated All-Ceramic Crowns” Mentor: Dr. Maria Avrampou

Multicultural Award for the Advancement of Dental Research - Dianne Luu
“Water Absorption and Solubility of Four Dental Composite Materials” Mentors: Drs. Yoon Kang and Gerard Kugel
In this issue, we would like to highlight a research mentor who has made a large impact on student research, Dr. Pamela Yelick. Dr. Yelick has been a research mentor for about 35 years. She started mentoring students during her graduate work then in more of an official capacity as a Research Associate at Harvard Biological Laboratories. Dr. Yelick got involved as a research mentor because she saw it as a natural progression “you are taught, you learn, and then you teach!” During Dr. Yelick’s time as a research mentor she has mentored over 230 students. This large number includes all the high school students, undergraduate students, and postdoctoral fellows who have been a part of her lab. Dr. Yelick has approximately 130 publications and abstracts to show for her work as a research mentor.

As a Professor in Orthodontics and the Director of the Division of Craniofacial and Molecular Genetics, Dr. Yelick started to get involved with research when she was an undergraduate student herself. During her undergraduate degree at Smith College she performed research in regular chemistry and biochemistry. Her first real research job was during the summer between Sophomore and Junior year of college, when she worked at Massachusetts General Hospital (MGH) in the Endocrine Unit.

Dr. Pamela Yelick believes the field of research is always changing, particularly now, where new opportunities abound. “We are moving (or have moved) from traditional academic laboratories to more interdisciplinary, and translational research strategies and institutes.” She finds conducting basic research during this time extremely exciting since the clinical applications are so relevant to many significant health issues. Dr. Yelick encourages students to embrace the new and wide-ranging opportunities that are now available, and use them to their greatest advantage! She sums up her experience as a research mentor by stating “My biggest pleasure is helping students achieve their goals – to be clinician scientists, academics, research scientists and teachers. To me, that is the main role and responsibility of the faculty, and I thoroughly enjoy it.”

If you are interested in learning about or becoming a research mentor, please contact Eileen.Doherty@tufts.edu.

Click here to check out the TUSDM clinical trials currently enrolling patients.

Post-Doctoral Students Present Their Research Projects

In the coming months, post-doctoral students will have the opportunity to present their research projects. Several departments will be hosting their own departmental research days. Master’s Students who are not affiliated with a department that has its own day will participate in the 9th annual MS Research Day, on a 6/5/18 from 12-4pm in Rachel’s Amphitheatre.

Judges will attend the research presentations, and the winners of each departmental research day and the top two winners from MS Research Day will go on to compete at Interdepartmental Research Day on Monday 6/25/18 from 2-5pm in Rachel’s Amphitheater (DHS 1414). These select students will present their research findings via PowerPoint to judges. The judges then select the top three presentations to win cash prizes for 1st, 2nd, and 3rd place. Please come by both events and support the post-doctoral researchers!
Recently Awarded Grants

Please see the list below of recently awarded grants and join us in congratulating the Principal Investigators and associated research team members for their accomplishments.

<table>
<thead>
<tr>
<th>Principal Investigator</th>
<th>Funding Agency</th>
<th>Award Amount</th>
<th>Project Title</th>
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</thead>
<tbody>
<tr>
<td>Athena Papas</td>
<td>Corporate</td>
<td>$132,000.00</td>
<td>A Randomized, Double-blind, Placebo-controlled, Parallel Group Clinical Study to Assess the Safety and Efficacy of Three Doses of Clobetasol Propionate when Administered Intra-orally Twice Daily in Patients with Oral Lichen Planus (OLP) using Rivelin®-CLO Patches</td>
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<td>Jonathan Garlick</td>
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<td>OI Grafting Study Number 29</td>
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<tr>
<td>Kathryn Dolan</td>
<td>ADA Foundation</td>
<td>$5,000.00</td>
<td>Tufts Student Chapter of the American Academy of Developmental Medicine and Dentistry AADMD</td>
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<tr>
<td>Martha Forereo</td>
<td>MDS</td>
<td>$2,000.00</td>
<td>Give Kids a Smile Day</td>
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<td>Ronald Kulich</td>
<td>Coverys Community Healthcare Foundation</td>
<td>$93,700.00</td>
<td>Controlled Substance Risk Mitigation Initiative</td>
</tr>
</tbody>
</table>

NIH Deadlines

Please note these upcoming NIH Deadlines. If you wish to apply for any of these awards please contact your local Research Administrator as soon as possible.

Click [here](https://sites.tufts.edu/dentalresearch/) for a link to the NIH Deadlines.
Dental Research Administration Newsletter - Spring 2018

DRA Hosted Lunch and Learns

In celebration of TUSDM’s 150th anniversary DRA is hosting a series of lunch and learns which highlight the “Future of Research” by showcasing some of our junior faculty members. Please see below for a list of the upcoming Dean Huw Thomas’ 150th Anniversary Lunch and Learn Series. Click on this link to be directed to all of our past lecture-captured lunch and learns listed on our website.

- April 30, 2018 @12pm - Dr. Addy Alt-Holland - Biomarkers for Disease (link will be up shortly)
- May 15, 2018 @ 12pm - Dr. Archana Viswanath - Pain Management (link will be up shortly)
- June 25, 2018 @ 12pm - Dr. Irina Dragan - The Future of Dental Education
- August 30, 2018 @ 12pm - Dr. Yao Yu - Women’s Health and Periodontitis
- September 2018 (Date, TBD) Student Present on Their Research

To RSVP please contact Jeff Murat via email Jeff.Murat@tufts.edu or by phone at 617-636-4045.

Click here to check out the TUSDM clinical trials currently enrolling patients.

Please welcome our new Administrative Assistant Jeff Murat. Jeff provides administrative support and communications for DRA. He manages Dr. Kugel’s calendar, plans and coordinates meetings/special events. Jeff attended Pacific Union College where he obtained a degree in business healthcare management. Jeff worked with the World Mission Office which sends out missionary students to provide medical, dental and vision aid. Jeff worked as a dental assistant for Aspen Dental, Boston University, and Advanced Oakdale Dental. He hopes to become a maxillofacial surgeon someday. Jeff loves people and hopes one day to travel across the world as a missionary dentist providing aid to children with cleft palates. Please contact Jeff at Jeff.Murat@tuts.edu or 617-636-4045.

Ask Ms. Science Compliance

Have a question about research but aren’t sure who to ask? Submit your question here and Ms. Science Compliance will be happy to answer it.

Dear Ms. Science Compliance,

I am planning to submit a proposal to a foundation requesting funds to travel to a meeting and present my research. I know federal grants have to be submitted through a system, but since this proposal is only for $3,000, I can just complete and submit the application on my own right?

Sincerely, Questionable Proposal

Dear Questionable Proposal,

While some funding agencies allow an investigator to submit applications for sponsored funding, all applications submitted by Tufts personnel must be reviewed and approved by the OVPR Pre-Award office prior to submission. The Central Pre-Award office is the only entity authorized by Tufts to sign proposals for sponsored projects and accept awards on behalf of the University. All proposals must be inputted into the Research Administration System (RAS), which allows for electronic routing to receive internal Tufts approvals. If you plan to submit a proposal for funding, engage your local Research Administrator in DRA at the beginning of the process. To get started, complete this proposal submission form and send it to your local RA, who will input the project into the RAS system and assist you with your proposal.

Best of luck, Ms. Science Compliance

Vietnamese Fresh Spring Rolls
(Submitted by Dr. Duong Tran, DRA)

2 ounces rice vermicelli
8 rice wrappers (8.5 inch diameter)
1 1/3 tablespoons chopped fresh Thai basil
3 tablespoons chopped fresh mint leaves
3 tablespoons chopped fresh cilantro
2 leaves lettuce, chopped
4 teaspoons fish sauce 1/4 cup water
2 tablespoons fresh lime juice
1 clove garlic, minced
8 large cooked shrimp - peeled, deveined and cut in half
2 tablespoons white sugar
1/2 teaspoon garlic chili sauce
3 tablespoons hoisin sauce
1 teaspoon finely chopped peanuts

Bring a medium saucepan of water to boil. Boil rice vermicelli 3 to 5 minutes, or until al dente, and drain.

Fill a large bowl with warm water. Dip one wrapper into the hot water for 1 second to soften. Lay wrapper flat. In a row across the center, place 2 shrimp halves, a handful of vermicelli, basil, mint, cilantro and lettuce, leaving about 2 inches uncovered on each side. Fold uncovered sides inward, then tightly roll the wrapper, beginning at the end with the lettuce. Repeat with remaining ingredients.

In a small bowl, mix the fish sauce, water, lime juice, garlic, sugar and chili sauce. In another small bowl, mix the hoisin sauce and peanuts.

Serve rolled spring rolls with the fish sauce and hoisin sauce mixtures.