Student Research Fellowship Program 2018 - Submission Process

Are you a student interested in research? Do you want to work closely with a faculty member delving deeper into a key area of dental health? TUSDM offers several opportunities for student researchers. The Student Research Fellowship Program funds students on faculty-mentored research projects. The research will culminate in a poster presentation at the annual Bates-Andrews Student Research Day, where you will be eligible to receive cash and travel awards. In addition, all Student Research Fellowship participants are eligible to receive travel support if the abstract based on their research is accepted to a national dental research conference. Application to the Student Research Fellowship Program involves the submission of a complete research proposal that will be evaluated by members of the TUSDM Research Committee. Please see the important submission deadlines below. Additional information is available on the Student Research Fellowship website.

<table>
<thead>
<tr>
<th>Application Dates</th>
<th>D21</th>
<th>D20</th>
<th>D19</th>
</tr>
</thead>
<tbody>
<tr>
<td>Letter of Intent</td>
<td>Friday, January 05, 2018</td>
<td>Friday, January 26, 2018</td>
<td>Friday, January 26, 2018</td>
</tr>
<tr>
<td>Online Application</td>
<td>Monday, January 29, 2018</td>
<td>Tuesday, February 20, 2018</td>
<td>Tuesday, February 20, 2018</td>
</tr>
<tr>
<td>Research Proposal</td>
<td>Monday, February 12, 2018</td>
<td>Friday, April 20, 2018</td>
<td>Friday, April 20, 2018</td>
</tr>
<tr>
<td>Notifications Sent</td>
<td>Thursday, March 15, 2018</td>
<td>Monday, May 14, 2018</td>
<td>Monday, May 14, 2018</td>
</tr>
</tbody>
</table>

Student Faculty Research Mixer

We will be hosting a Student Faculty Research Mixer this month for 1st year students. The purpose of the mixer is to create an opportunity for potential students interested in research to connect with a research mentor for the Fellowship Program. Before the mixer we recommend that students think about research topics that interest them. There are many tools to help you select a research project. One way is to browse our Research Mentor Database. This database is a great resource for you to check out faculty members and their current research projects. Another option is to look through our old Bates Andrews Day booklets. These booklets have one year’s worth of research abstracts and give you a good idea of the type and size of previous student research projects. Please be sure to RSVP to Ledja.Lera@tufts.edu if you plan on attending the mixer.

Upcoming Abstract Deadlines

ADEA - Abstract decisions were sent out the beginning of November. If your abstract was accepted for presentation please email Katie Dunn. Notifying Katie will allow her to add you to the school’s list of presenters. If you want to start working on your presentation, please follow this link to the Tufts approved templates for the ADEA meeting.

AADR - Abstract acceptances for the AADR meeting will be going out in December. If you submitted an abstract please email Katie Dunn if your abstract was accepted or rejected. This will allow Katie to include you on the school’s list of presenters and invite you to school sponsored events. If you want to start working on your presentation, please follow this link to the Tufts approved templates for the AADR meeting.

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Boston, MA 02111
P: 617 636-4045
F: 617 636-6511
https://sites.tufts.edu/dentalresearch/
Celebrating 150 Years at Tufts University School of Dental Medicine

For the past 150 years, Tufts University’s School of Dental Medicine students, faculty, staff, researchers, and alumni have shaped the history of our school and the profession. Since 1868, our work has been guided by four primary commitments: to comprehensive dental education, dynamic and groundbreaking research, caring and devoted people, and service to our communities. We will be celebrating our 150th anniversary throughout 2018. As part of the celebration, we have curated an online exhibition honoring Tufts Dental’s history. You can find this museum, as well as upcoming events and information at [https://dental150.tufts.edu](https://dental150.tufts.edu).

Click [here](https://dental150.tufts.edu) to check out the TUSDM clinical trials currently enrolling patients.

DRA Hosted Lunch and Learns

DRA strives to increase the opportunities for education in all aspects of research. If you have missed a prior lunch and learn here is a list of the most recent DRA workshops. Click on this [link](https://sites.tufts.edu/dentalresearch/) to be directed to all of our past lecture -captured lunch and learns listed on our website. If you would like to RSVP to future events you can do so by emailing Ledja Lera. Date, time, and location information will be shared at that time.

- **10/03/2017 Authorship, Citation Management and Literature Reviews** – Amanda Nevius and Judy Rabinowitz from Hirsh Sciences Library
- **10/10/2017 NIH Medical Research Scholars Program** - Andrew Lum D18, Jason Berglund D18, and Dr. Ed Lahey D00
- **11/29/2017 Putting together a CV**- Marguerite Moore (Assistant Director in Student and Career Services)
- **12/1/2017 Interactive Session - Study Design & Statistics** – Dr. Matthew Finkelman (Associate Professor and Director of the Division of Biostatistics and Experimental Design)
- **02/06/2018 Axium & BigMouth** – Matt Johnston (Sr. Application Administrator) and Dr. Britta Magnuson (Assistant Professor and Assistant Director of the Division of Biostatistics and Experimental Design)

Please look forward to [Dean Huw Thomas’ 150th Future of Research Lunch and Learn Series](https://sites.tufts.edu/dentalresearch/). This lunch and learn series is in celebration of the 150th anniversary of Tufts Dental School. Information on the speakers, dates and times will be shared soon.

[Fill out the DRA survey here](https://sites.tufts.edu/dentalresearch/) to let us know how we are doing.
Some of the feedback we received from our internal survey was that our website was disorganized and out of date. A working group within DRA spent countless hours updating the content and working on the flow of our new website. With the help of Michael Chin and Sophy Bishop we are proud to roll out our newly organized [website](https://sites.tufts.edu/dentalresearch/).

The website is off of the main TUSDM main page, which allows us to post more content! There is information on everything that the TUSDM community might need, from how to get started as a student researcher, to the forms needed for experienced faculty researchers. We will continue to post and lecture capture all of our informative lunch and learns, which will be located [here](#) for review at a later date. If you can’t find something or have a suggestion on the website please contact us at DentalResearchAdministration@tufts.edu or call us at (617) 636-4045.

### Recently Awarded Grants

Please see the list below of recently awarded grants. Please join us in congratulating the Principal Investigators for their accomplishment.

<table>
<thead>
<tr>
<th>Principal Investigator</th>
<th>Funding Agency</th>
<th>Award Amount</th>
<th>Project Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>Addy Alt-Holland</td>
<td>Michael J Rainen Foundation</td>
<td>$150,007.50</td>
<td>Molecular Changes as New Targets for Basal Cell Carcinoma Therapies</td>
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<tr>
<td>Archana Viswanath</td>
<td>Hahnemann Laboratories</td>
<td>$114,739.13</td>
<td>Efficacy of Arnica Montana in Reducing Postoperative Edema and Pain Following Third Molar Extraction</td>
</tr>
<tr>
<td>David Leader</td>
<td>ADA - Fellowship Program</td>
<td>$20,000.00</td>
<td>Change in the Scope of Dental Practice</td>
</tr>
<tr>
<td>Duong Tran</td>
<td>Corporate Sponsor</td>
<td>$19,126.69</td>
<td>Evaluating New Automix Tips</td>
</tr>
<tr>
<td>Gerard Kugel</td>
<td>Corporate Sponsor</td>
<td>$116,491.10</td>
<td>A Clinical Trial to Evaluate a New Giomer Restorative System in Class V Restorations</td>
</tr>
<tr>
<td>Hans-Peter Weber</td>
<td>Corporate Sponsor</td>
<td>$135,316.27</td>
<td>A Comparison of Implant Restorations Placed on Either Anodized (pink) Titanium or Zirconium Abutments in the Esthetic Zone: A Randomized Controlled Clinical Trial using a Crossover Design</td>
</tr>
<tr>
<td>Nadeem Karimbux</td>
<td>Corporate Sponsor</td>
<td>$6,660.00</td>
<td>Accuracy And Perception Evaluation Of A Dynamic Navigation Implant System: A Pilot Study</td>
</tr>
<tr>
<td>Ronald Kulich</td>
<td>NIH SBIR (sub-award)</td>
<td>$49,490.16</td>
<td>Nonpharmacologic Reduction of Perioperative Pain, Anxiety, and Prescription Drug Use</td>
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<tr>
<td>Yong Hur</td>
<td>American Academy of Implant Dentistry Foundation</td>
<td>$2,000.00</td>
<td>Association between Lateral Window Bone Thickness and Membrane Perforation during Sinus Augmentation</td>
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<tr>
<td>Yoon Kang</td>
<td>Corporate Sponsor</td>
<td>$22,262.50</td>
<td>Blind Handling of a Universal Composite Material by Practicing Dentists</td>
</tr>
<tr>
<td>Pamela Yelick</td>
<td>IFOPA</td>
<td>$75,000.00</td>
<td>Interrogating New Therapeutic Targets for Human FOP using Zebras</td>
</tr>
<tr>
<td>Pamela Yelick</td>
<td>NIH (R21)</td>
<td>$217,800.00</td>
<td>Novel Zebras for Human Fibrodysplasia Ossificans Progressiva</td>
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<tr>
<td>Pamela Yelick</td>
<td>NIH (R01)</td>
<td>$778,581.00</td>
<td>Bioengineered Composite Alveolar Bone-Tooth Constructs for Tooth Regeneration</td>
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<tr>
<td>Yau-Hua Yu</td>
<td>NIH (K23)</td>
<td>$138,634.00</td>
<td>Exploring Genomic Determinants of Periodontal Disease via Shared Genetic Pathways with Cardiovascular Disease, Diabetes, and Bone Density</td>
</tr>
<tr>
<td>Kanchan Ganda</td>
<td>HRSA</td>
<td>$22,681.00</td>
<td>Dental Reimbursement Program (Ryan White)</td>
</tr>
<tr>
<td>Pamela Yelick</td>
<td>IFOPA</td>
<td>$75,000.00</td>
<td>Interrogating New Therapeutic Targets for Human FOP using Zebras</td>
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</table>
DRA Updates

We would like to congratulate Dr. Sarah Pagni on her recent promotion to Assistant Professor! Dr. Pagni has been with Dental Research Administration since January 2015. At TUSDM, Dr. Pagni works with pre-doctoral students, residents, master’s degree candidates, and faculty on research project development and analysis. Her work at TUSDM has been published in Journal of Dental Education, Journal of Dental Research, and Journal of Periodontology. She was inducted into the Robert R. Andrews Research Honor Society in 2016.

Before coming to TUSDM, Dr. Pagni received a Ph.D. in Biomedical Science with a concentration in microbiology from the Icahn School of Medicine at Mount Sinai for her dissertation “Phenotypic Analysis of Dengue Virus with Different Epidemic Capacities in Primary Human Cells and Vector Contribution to Infectivity.” Afterward, she completed an M.P.H. from the Harvard School of Public Health. Congratulations on your promotion Dr. Pagni!

Dr. Pamela Yelick

Dr. Pam Yelick is a Professor at the School of Dental Medicine and the Director of the Division of Craniofacial and Molecular Genetics. Her research focuses on craniofacial and dental tissue development and regeneration using two approaches, tissue engineering and zebrafish models. She presented during a PI luncheon series to the Office of the Vice Provost staff and Tufts Research Administrators on Wednesday November 15th. In this series, OVPR staff and research administrators from Tufts schools and centers have an informal discussion with an investigator to learn more about their work, helping to gain insight into their research.

Upcoming NIH Submission Dates

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.
Recipe makes 8 servings

- 1 cup aged rum
- 1 cup sweet vermouth
- ½ cup fresh lemon juice
- ¼ cup simple syrup
- 4 dashes Angostura bitters
- ½ red apple, thinly sliced
- 1 12-oz bottle dry hard apple cider
- 2 cups ice

Step 1: Combine rum, vermouth, lemon juice, simple syrup, and bitters in a large pitcher.
Step 2: Add ice and stir.
Step 3: Add apple slices and cider, gently stir.

_Punch (Step 1) can be made 1 day ahead and chilled._

During the 18th and 19th centuries the instrument known as the turnkey was used for what routine dental procedure?
A. Fitting dentures B. Prophylaxis C. Filling teeth D. Extraction

Answer Below.

D. Extraction. The turnkey resembles a hook with a handle. The hook was wrapped around the tooth and a twisting motion was used to pull the tooth out. It required some skill to use and fell out of favor because if not done properly it often caused the tooth to become infected.