

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](#).

Application Dates	D21	D20	D19
Letter of Intent	Friday, January 05, 2018	Friday, January 26, 2018	Friday, January 26, 2018
Online Application	Monday, January 29, 2018	Tuesday, February 20, 2018	Tuesday, February 20, 2018
Research Proposal	Monday, February 12, 2018	Friday, April 20, 2018	Friday, April 20, 2018
Notifications Sent	Thursday, March 15, 2018	Monday, May 14, 2018	Monday, May 14, 2018

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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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>.



Click [here](#) 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](#) 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 **Axiom & 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**. 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](#) to let us know how we are doing.



★ **New and Improved DRA Website** ★

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](#). 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.

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

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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.

R01 <i>new</i>	Research Grants	February 5	June 5	October 5
U01 <i>new</i>	Research Grants - Cooperative Agreements	February 5	June 5	October 5
K series <i>new</i>	Research Career Development	February 12	June 12	October 12
R03, R21, R33, R21/R33, R34, R36, UH2, UH3, UH2/UH3 <i>new</i>	Other Research Grants and Cooperative Agreements	February 16	June 16	October 16
R15 <i>All - new, renewal, resubmission, revision</i>	Academic Research Enhancement Award (AREA)	February 25	June 25	October 25
R01 <i>renewal, resubmission, revision</i>	Research Grants	March 5	July 5	November 5
U01 <i>renewal, resubmission, revision</i>	Research Grants - Cooperative Agreements	March 5	July 5	November 5
K series <i>renewal, resubmission, revision</i>	Research Career Development	March 12	July 12	November 12
R03, R21, R33, R21/R33, R34, R36, UH2, UH3, UH2/UH3 <i>renewal, resubmission, revision</i>	Other Research Grants and Cooperative Agreements	March 16	July 16	November 16

Trivia

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 patient more harm than good! Click [here](#) for reference.

Grant Travel for Faculty and Staff

Prior to traveling on grants, all TUSDM travel on sponsored projects must receive the approval of their local research administrator by completing the [travel justification form](#). Return the form to your local Research Administrator (RA). Approval from your local RA ensures the travel is allowable and that funds are available. Expenses incurred during travel that did not receive prior approval may need to be covered by the traveler's Dept ID. Expenses must be submitted to your RA by adding them as an ad hoc approver via [Appticity](#) within 30 days of returning from the trip. Paper receipts for all travel related purposes (regardless of amount) must be kept for grants five years after the end date of the grant being charged.



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 thinking about applying for a grant. What are the deadlines I need to know about?

Sincerely, Grantfully Confused

Dear Grantfully Confused,

A minimum of 6 weeks' notice is recommended in order to prepare the grant package for review by the Office of the Vice Provost (OVP) and to properly submit to the funding agency. The "5 day rule" is required to submit all grant proposals via Research Administration System (RAS) 5 business days before the sponsor deadline. The proposal will be routed to the OVP for final review/approval. In addition, two days prior to the sponsor deadline the final research strategy document must be uploaded. If a proposal is not 100% complete two days before the submission deadline, the PI will be required to complete an addendum acknowledging they are submitting an application for review less than 48 hours prior to the due date. This addendum will be sent to Dean Thomas and ORA.

Best of luck,

Ms. Science Compliance

Apple Cider Rum Punch

(Submitted by Amanda Gozzi, DRA)

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.