# INSIGHT

Tufts University Sackler School Graduate Student Council Newsletter

#### Fall/Winter 2013

## **Recap: 18th Sackler Relay**

Rain moves event indoors to original venue. by Daniel Wong Cell & Molecular Physiology - Third Year

While rain prompted a relocation of the 18th annual Sackler Relay this past July from the Tufts Medford Campus Alumni Fields to the Gantcher Family Sports and Convocation Center, this was actually a return to the original venue for the Relay. Modeled after triathlons, the original event was a swimming, biking, and running relay at the Medford gym. The Sackler Relay is intended not only to promote community among the students, staff, and faculty, but to also raise funds for the Sackler Scientific Travel Program, which awards funding to support students to present their work at major national and international meetings.



We hope that Andrew Camilli (Professor; Molecular Biology and Microbiology) is recovering well after having fractured his collarbone in a fall during the relay event.

Honorable mentions are in order for Li Zeng (Associate Professor; Integrative physiology and Pathobiology) and Mike Forgac (Professor; Developmental, Cellular, and Chemical Biology), the only two faculty members to participate in the 100-meter dash.

## **Department realignment**

Changes abound with new acronyms, affiliations, and department chairs.

This past summer, the Tufts Medical School basic science departments of Anatomy, Biochemistry, Molecular Physiology and Pharmacology, and Pathology were re-formed into two new departments: Developmental, Cellular, and Chemical Biology, chaired by Phil Hinds, and Integrative Physiology and Pharmacology, chaired by Laura Liscum.

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### 2013-14 GSC Officers

<u>President</u> Micaella Panessiti

<u>Vice President</u> Sejuti Sengupta

<u>Treasurer</u> Jennifer Hogan

### Members

Biochemistry Andrew Coppage Claire Metrick CMDB Carrie Hui Melissa LaBonty CMP **Kristina Cotter** Sejuti Sengupta Daniel Wong<sup>x</sup> Genetics Siobhan McRee **Meagan Montesion** Immunology Alex Histed Dan Ram Molecular Microbiology Heidi Burke Jennifer Hogan Neuroscience Micaella Panessiti Samantha You PPET Christina Deliyiannis MD/PhD Liaison **Derek Leaderer** Faculty Liaison Ira Herman Dean's Office Liaison Kathryn Lange

×Non-voting

## Sackler Insight Team

Kristina Cotter Julie Hewitt Micaella Panessiti Daniel Wong

## **Recent Publications**

Papers by Sackler affiliates since May 2013 compiled by Daniel Wong; Cell & Molecular Physiology - Third Year

#### Publications in chronological order with Sackler students indicated in bold, and program affiliation(s) as superscripts.

Luo C, Sheng J, Hu MG, Haluska FG, Cui R, Xu Z, Tsichlis PN, Hu GF, Hinds PW. Loss of ARF sensitizes transgenic BRAFV600E mice to UV-induced melanoma via suppression of XPC. Cancer Res. 2013 Jul 15;73(14):4337-48. doi: 10.1158/0008-5472.CAN-12-4454. Epub 2013 May 6. PubMed PMID: 23650282; PubMed Central PMCID: PMC3715591.

**Cairns DM**<sup>cmdb</sup>, Pignolo RJ, **Uchimura T**<sup>cmdb</sup>, Brennan TA, Lindborg CM, Xu M, Kaplan FS, Shore EM, Zeng L. Somitic disruption of GNAS in chick embryos mimics progressive osseous heteroplasia. J Clin Invest. 2013 Aug 1;123(8):3624-33. doi: 10.1172/JCI69746. Epub 2013 Jul 25. Erratum in: J Clin Invest. 2013 Nov;123(11):4981. PubMed PMID: 23863715; PubMed Central PMCID: PMC3726175.

**Aridgides D**<sup>md/phd, imm</sup>, Salvador Rimm, PereiraPerrin M. *Trypanosoma cruzi* highjacks TrkC to enter cardiomyocytes and cardiac fibroblasts while exploiting TrkA for cardioprotection against oxidative stress. Cell Microbiol. 2013 Aug;15(8):1357-66. doi: 10.1111/cmi.12119. Epub 2013 Mar 14. PubMed PMID: 23414299.

Amyot WM, **deJesus D**<sup>micro</sup>, Isberg RR. Poison domains block transit of translocated substrates via the Legionella pneumophila Icm/Dot system. Infect Immun. 2013 Sep;81(9):3239-52. doi: 10.1128/IAI.00552-13. Epub 2013 Jun 24. PubMed PMID: 23798536; PubMed Central PMCID: PMC3754216.

**Vasiadi** M<sup>ppet</sup>, Mondolfi AP, Alysandratos KD, Therianou A, Katsarou-Katsari A, Petrakopoulou T, Theoharidis A, Miniati A, Theoharides TC. Neurotensin serum levels and skin gene expression are increased in atopic dermatitis. Br J Dermatol. 2013 Sep;169(3):695-9. doi: 10.1111/bjd.12413. PubMed PMID: 24033157.

Banerjee P, DeJesus R, Gjoerup O, Schaffhausen BS. Viral interference with DNA repair by targeting of the single-stranded DNA binding protein RPA. PLoS Pathog. 2013 Oct;9(10):e1003725. doi: 10.1371/journal. ppat.1003725. Epub 2013 Oct 24. PubMed PMID: 24204272; PubMed Central PMCID: PMC3812037.

Arendt LM, McCready J, Keller PJ, Baker DD, Naber SP, Seewaldt V, Kuperwasser C. Obesity promotes breast cancer by CCL2-mediated macrophage recruitment and angiogenesis. Cancer Res. 2013 Oct 1;73(19):6080-93. doi: 10.1158/0008-5472.CAN-13-0926. Epub 2013 Aug 19. PubMed PMID: 23959857; PubMed Central PM-CID: PMC3824388.

**Paczosa MK**<sup>imm</sup>, Fisher ML, Maldonado-Arocho FJ, Mecsas J. *Yersinia pseudotuberculosis* uses Ail and YadA to circumvent neutrophils by directing Yop translocation during lung infection. Cell Microbiol. 2013 Oct 9. doi: 10.1111/cmi.12219. [Epub ahead of print] PubMed PMID: 24119087; PubMed Central PMCID: PMC3981955.

**Capecci J**<sup>cmp</sup>, Forgac M. The function of vacuolar ATPase (V-ATPase) a subunit isoforms in invasiveness of MCF10a and MCF10CA1a human breast cancer cells. J Biol Chem. 2013 Nov 8;288(45):32731-41. doi: 10.1074/jbc.M113.503771. Epub 2013 Sep 26. PubMed PMID: 24072707; PubMed Central PMCID: PMC3820907.

Huang Y, Ainsley JA, Reijmers LG, Jackson FR. Translational profiling of clock cells reveals circadianly synchronized protein synthesis. PLoS Biol. 2013 Nov;11(11):e1001703. doi: 10.1371/journal.pbio.1001703. Epub 2013 Nov 5. PubMed PMID: 24348200; PubMed Central PMCID: PMC3864454.

Trouche S, **Sasaki JM**<sup>neuro</sup>, Tu T, Reijmers LG. Fear extinction causes target-specific remodeling of perisomatic inhibitory synapses. Neuron. 2013 Nov 20;80(4):1054-65. doi: 10.1016/j.neuron.2013.07.047. Epub 2013 Oct 31. PubMed PMID: 24183705; PubMed Central PMCID: PMC3840076.

## **Tufts Biomedical Business Club**

Interested in business, consulting, entreprenurship, or industry?

compiled by Bina Julian Pharmacology and Experimental Therapeutics - Third Year,

and Daniel Wong Cell and Molecular Physiology - Third Year

Currently led by Bina Julian (PPET-3), Michael Baldwin (CMP-3), Andrew Coppage (Biochem-4), Jennifer Nwankwo (PPET-3), and Adam Wieschhaus, Ph.D., the Tufts Biomedical Business Club (TBBC) has been very active in bringing outside speakers to give seminars about career options outside of academia, as well as assembling resources for students interested in pursuing these paths.

TBBC was originally founded by David Greenwald (Genetics, 2010) and Brigham Hyde (PPET, 2009), who also started their own life sciences data analytics company, Relay Technology Management, in 2008. Nature Publishing Group become the majority owner of Relay TM in 2012. This past January, Relay TM was acquired by the consulting firm Decision Resources Group.

This section provides an overview of upcoming TBBC events, initiatives, and resources.

### Resources

#### **Biomedical Business Guide**

http://researchguides.library.tufts.edu/ content.php?pid=540606

The TBBC has put together a curated list of online and hardcopy business resources available at the Hirsh Health Sciences Library. This includes access to periodicals such as the Harvard Business Review, Wall Street Journal, and Bloomberg Business Week, in addition to print and e-books on career planning, entreprenurship, and intellectual property and patent law, among others.

#### **TBBC Information Page**

http://sackler.tufts.edu/Student-Life/ Graduate-Student-Council/Biomedical-Business-Club

Up-to-date information on upcoming TBBC events, and links to sign-up forms to join.

## Previous Events

## "Trade your books for battle scars: a cereer in venture capital and business development without an MBA," presented by Frederic Sweeney, PhD

Sr. Director of Business Development at T2 Biosystems *Tuesday, March 18, 2014 - 5 PM, Sackler 114W* 

Considering a career in business development? Frederic Sweeney, Senior Director of Business Development at T2 Biosystems will discuss the work of his company, as well as his transition from bench research to a business development role within the devices and diagnostics industry.

#### Burt Adelman, MD

Executive Vice President and Chief Medical Officer of Dyax Corp. *Wednesday, April 1, 2014 - 4:30 PM, Sackler 216A* 

Dr. Adelman will share his experience working for Dyax, a biopharmaceutical company focused on the discovery, development, and commercialization of antibodies, small proteins, and peptide therapeutics. Dr. Adelman is also a member of the Board of Advisors at the Tufts University School of Medicine and the Sackler School of Graduate Biomedical Sciences.

#### Shaun Rodriguez, PhD

Equity Analyst at Cowen and Company

Wednesday, April 16, 2014 - 5 PM, Sackler 114W

Cowen and Company is the investment management segment of Cowen Group Inc., offering investment banking services and world-class equity research in multiple sectors, including healthcare.

### Upcoming Events

#### David Weingeist, PhD

Senior Consultant for Simon-Kutcher & Partners Wednesday, May 21, 2014 - 4:30 PM, room TBA Simon-Kutcher & Partners is a global consulting firm specializing in strategy and marketing.

## Ongoing Initiatives

#### **Biotech Journal Club**

Second Friday of each month, 12 PM noon

TBBC Biotech Journal Club discusses recent articles related to the biotech industry. E-mail TBBC (<u>TuftsBiotech@gmail.com</u>) for more information and join the mailing list.

#### **Case Competition Study Group**

Tuesdays, 5 PM

Interested in consulting? The TBBC Case Competition Study Group can help develop your skills. E-mail TBBC (<u>TuftsBiotech@gmail.com</u>) for more information.

## The making of a neuroscientist

Kathleen Dunlap discusses how her career was influenced by teachers, luminaries, and fascination with scientific discovery.

#### by Julie Hewitt Neuroscience - Third Year

Neuroscience professor Kathleen Dunlap (KD) is retiring after 34 years at Tufts. I interviewed KD in an attempt to soak up even just a fraction of her wisdom and to hear first hand the foundations of her love of science. The decision to become a scientist was one that KD made in high school after being inspired by two of her science teachers, and initiated a long and successful career in science.

"I had a biology teacher and a physiology teacher who were just spectacular. My school was very strong in the sciences," she said. "Actually, they were polar opposites of each other. My biology teacher was a nice guy; kind, nurturing—my physiology teacher was fresh out of college, didn't get into medical school, and was teaching high school instead. He taught the class exactly like a college course. He was very caustictake no prisoners kind of guy-with huge expectations. But, that is exactly what I needed! We did a lot of labs in class and he would assign us formal lab reports. I remember going Cal State University to find the right resources for the reports. For me, having a high standard was perfect. I thought, 'He's not going to beat me!"

"[My biology teacher] had this amazing ability to draw on the chalkboard with two hands. I remember watching him draw a cross-section of the spinal cord with both hands at the same time, and I thought, 'That is so cool! I want to be that guy!"'High school inspiration aside, becoming a scientist is a long process. The people you interact with and meet along the way can be just as influential and important as the experience that provided that initial spark of curiosity and passion. So, I asked KD who influenced her along the way close friends she knew very well, people she met only in passing, or even barely knew at all. However, I should confess: I knew the answer to the latter. I wanted to get her going about Bernard Katz, the famous biophysicist who was awarded the Nobel Prize in 1970 for his work on neurotransmitters.

"For someone I didn't know, first and foremost would be Bernard Katz. Absolutely. He was freaking brilliant. He had impressions that anybody would love to have—laid the foundation for what we know about synaptic neurobiology. I would have died to know him," she said. KD then got up from her chair and pulled a book off her shelf to show me—it was Nerve, Muscle, Synapse by

Bernard Katz. "He came to UCLA in 1972 when I was just starting graduate school. He came to give a lecture, and I didn't get him to sign my

book! AGH! I always regretted that!"

In reference to people she did know, KD said, "[There are] just so many." In our conversation, she focused on her advisors. From her PhD advisor, she learned how to think in a linear fashion. "He was a reductionist scientist; he would think of the simplest hypothesis to explain the data." KD also appreciated how financially supportive he was with his students; he wanted them to excel, and gave them the opportunities to do so. In addition to the positive influences her PhD advisor had on her, KD also reflected on the challenges in their relationship. At the time when she began her PhD, there were very few women in the field of biophysics, which caused a rift between KD and her advisor. Despite these challenges, KD said, "You learn from both the good and the bad mentorship. You learn what you want to incorporate as a mentor, and what you don't."

I then asked KD to tell me about a few of her favorite memories as a scientist, and about some of her favorite memories specifically from Tufts. She couldn't think of one specific memory at Tufts to encapsulate her feelings about the school, so instead told me why she

Only until I came to Tufts did I realize how ideally science could be done. I never, ever, once ran into someone who was selfish with their time or energy.

loved her career here at Tufts.

"There is an overall sense of open-hearted collegiality here;
people aren't just in it for themselves. Only until

I came to Tufts did I realize how ideally science could be done. I never, ever, once ran into someone who was selfish with their time or energy. That is what kept me here. I was so comfortable and really so enjoyed my colleagues."

For a specific scientific memory, KD

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recounted the multiple summers she spent researching the hydrozoan Obelia geniculata at the Marine Biology Laboratory with her colleague Paul Brehm. Obelia live as colonies with a shared gut system and emit light via endogenous GFP when stimulated mechanically, chemically or electrically. KD and Paul sought to uncover the mechanism behind the flashing Obelia photocytes. When reminiscing about her time studying Obelia, KD said, "It was like going back in time with this project. We had high-tech equipment down there, but we didn't always use it. We would collect animals, bring them into lab we had a beautiful view of the Nantucket Sound from our lab, but we had

trash bags covering all the windows!—we would put Obelia in beakers and test what they responded to. We were squirting all sorts of things into the

beakers and saying 'Did you see that?!' 'I think it flashed!' The experiments were very imaginative. We were like scientists at summer camp. We never had any idea what was going to happen; we were constantly building equipment to make different measurements. It was a magical time. We sometimes would work 16-18 hours a day because it was just fascination of exploration. It didn't matter what we found, there were no negative outcomes! I think about those experiments a lot."

KD and Paul ended up publishing three papers from these experiments, the first being a Letter to Nature in 1987 that was awarded the magazine cover photo.

I next asked KD what she was going to miss in her retirement, and what she wasn't going to miss.

"I'm going to miss the fact that when you're doing research, every day is a challenge. You're faced with problems you don't

We are all looking for the truth. This works only when people work together. You can always

> get better at something. I enjoy the bar being higher than my head—I still have the internal satisfaction of trying to reach that bar. I will also miss the absolute joy of seeing graduate students develop, and the joy of not being able to predict where a student is going to go.

It's so much fun to see graduate students who you may have been worried about at first, transformed into critical thinkers who can express their ideas with confidence." In response to what she wouldn't miss, she said simply, "The things about being a professor that took me away from the joy of discovery."

My last question for KD was what advice she has for young scientists. "Oh, this is going to be a philosophical answer," she told me and paused, "The world has gotten so complicated that it's hard to keep your finger on the truth. When I went to graduate school, people would find something, and others would repeat it. I don't feel like people do that anymore in science. There is no longer the mindset that if something is true, it needs to be verified. My hope is that research science will go back to that mindset. We are all looking together for the truth."

After finishing up my interview with KD and reviewing my notes, I developed a story in my head—a story based on the few snippets of her career that she had shared with me. It was the story of a girl, inspired first by an ambidextrous biology teacher, and then by a grouchy, demanding physiology teacher who managed to work her way into a biophysics lab where she both excelled and rebelled. Despite demanding expectations and a prominent gender gap, this girl proceeded from one lab to the next-until she fulfilled her dream at Tufts University where she sadly leaves us today, but leaves us with the reminder, "We are all looking for the truth. This works only when people work together."

## Team Neuro(Jen)esis, 13.1

Four Neuroscience graduate students trained for and completed the B.A.A. Half Marathon this past fall.

by Micaella Panessiti Neuroscience - Third Year



Jenn Felsted, Jen Shih, Jenny Sasaki, and Jeannine Foley (left picture, left to right), following the B.A.A. Half Marathon. Jeannine Foley models the team t-shirt (right picture).

Graduate school is stressful. We often feel mentally, physically and emotionally drained after spending long days in the lab. However, as important as our daily work lives are, how we spend our free time de-stressing is also important. While there's always drinking a bottle of wine and watching American Idol, one of the healthiest ways to de-stress is to exercise. Last fall, four neuroscience students decided to train and run the Boston Athletic Association (B.A.A) half marathon together, which is an impressive feat given the hectic grad school lifestyle! Jenny Sasaki, Jenn Felsted, Jen Shih and Jeannine Foley wore matching t-shirts with the slogan "Team Neuro(Jen)esis."

When asked about how they prepared for the 13.1 mile race, Team Neuro(-Jen)esis shared their different training styles. Jen Shih, a seasoned marathoner and triathlete completed run-specific training for five weeks after finishing a summer triathalon training cycle. She ran 4 days a week of varying speeds and distance and had worked up to 40 miles per week by the time of the race. Jenny Sasaki, a first time half marathoner simply had the goal to finish the race regardless of time. By slowly building her endurance levels and alternating short and long runs, she was able to avoid injury and worked up to a 10 mile run. The girls also kept each other motivated and focused by completing long runs together.

During the race, the hilly and windy conditions turned out to be a greater challenge than Team Neuro(Jen)esis expected. While Jenny felt great for the first half of the race, she said the second half felt "kind of painful." However, she was motivated by running with Jenn and focused on the fact that every step was bringing them closer to the finish line. Jeannine battled some stomach pain (she advises runners NOT to eat Ethiopian food the night before!) and foot pain at mile 10 but persevered to finish the race.

Team Neuro(Jen)esis completed the 13.1 haul with respectable times, but know that their endeavor was not strictly a competition. Jen Shih reflected that "Afterwards, I felt relief that [the race] was over...and remember feeling excited and happy that Team Neuro(-Jen)esis was at the race. No matter how any race turns out, running is such a multifaceted endeavor, and there are so many things besides racing that make

## Things to do around Boston

by Micaella Panessiti Neuroscience - Third Year, and Daniel Wong Cell and Molecular Physiology - Third Year

## Upcoming Runs and Races

#### **City Sports Run Club**

Every Tuesday at 6 pm (Back Bay, 480 Boylston St, Boston, MA),

Thursday at 6 pm (Post Office Square/Financial District, 225 Franklin St, Boston, MA), Saturday at 10 am (Porter Square, 1815 Massachusetts Ave, Cambridge, MA)

#### http://www.citysportsblog.com/run-club/

Free membership, just sign a waiver. Meet at City Sports to test gear or win some in a raffle provided by sponsors. Additionally, earn \$1 in City Sports Insider Rewards for each mile you run. Choose between 3- and 5-mile routes. Several Sackler students and postdocs attend the Tuesday and Thursday meets.

#### Freedom Trail Run

Every Saturday at 8:30 am through February (Winter hours to change in spring) <u>http://www.freedomtrailrun.com</u>

Meet on Boston Common (at the corner of Park & Tremont St.) and run a 5K course that passes some of America's most important historical landmarks. We don't just "run-by" the sites, we stop and explore them! And since we stop so often (16 times), even beginners can participate! Registration includes: the guided 2 hour running tour, return boat ride, choice of drink and a great shirt. For more information, read our or email: *info@FreedomTrailRun.com*.

#### Heartbreak Hill Half & Festival

Friday, June 6- Sunday, June 8, 2014, Boston College, Newton, MA <u>http://rw.runnersworld.com/hhhalf/</u>

Multiple races will be held in conjunction with a festival the weekend of June 6 on the grounds of Boston College atop Heartbreak Hill. The 5K and 10K races will be run on Saturday, June 7 at 7 am and 8:30 am, respectively, with the half marathon starting at 7:30 am on Sunday, June 8.

#### Battle of Bunker Hill Road Race

Sunday, June 14, 2014 at 9:15 am, Charlestown Navy Yard, One 1st Ave, Charlestown, MA <u>http://www.bgcb.org/our-location/charlestown-club/battle-of-bunker-hill-8k/</u>

This year will be the 46th annual Bunker Hill Road Race, which will be followed by the Bunker Hill Day Parade in Charlestown. The Family Fun Run starts at 9:15 am, and the 8K Road Race starts at 10 am. Proceeds benefit the Charlestown Boys & Girls Club.

#### B.A.A. 10K

Sunday, July 22, 2014 at 8 am, Start/Finish: Charles St between Boylston St and Beacon St. http://www.baa.org/races/10k.aspx

Registration will be held online at *www.baa.org* beginning on Thursday, May 1, 2014 at 10:00 a.m. ET.

## Food & Wine

#### Brix Wine Shop: Complimentary Wine Tastings

Every Thursday and Friday, 5-7 pm @ Brix Financial District, 105 Broad St, Boston, MA <u>http://www.brixwineshop.com/tastings/financial-district/</u>

Every Friday, 6-8 pm and Saturday, 3-5 pm @ Brix South End, 1284 Washington St, Boston <u>http://www.brixwineshop.com/tastings/sounth-end/</u>

### Arts & Culture

#### Dedham Square Artist Guild, "Wonderland" Art Show

March 27 - May 26 Dedham Community Theater, 580 High St, Dedham, MA - **Free** 

http://dedhamguild.com/node/209

DMCB faculty member Dan Jay has two drawings on display as a part of the "Wonderland" show of the Dedham Artist Guild. These drawings were made during a live performance of "Alice in Wonderland" by the National Ballet of Canada.

#### **Museum of Fine Art**

W,Th,F 10AM-9:45PM; Other 10AM-4:45PM Avenue of the Arts, 465 Huntington Ave, Boston - Free with Tufts ID

#### http://www.mfa.org/membership/universities

Admission to the MFA is <u>free</u> for Tufts students with your student ID. Be sure to bring your ID with you, because the ticketing agent needs to see the physical card. Student admission is \$23 otherwise. Additionally, you can receive 10% off in the Museum Bookstore & Shops.

#### **Third Thursdays**

Third Thursday of each month, 5:30 PM (<u>March 20, April 17, May 15, June 19</u>) Isabella Stewart Gardner Museum, 280 The Fenway, Boston - **\$5 with student ID** / **\$15 adults, cash wine bar** 

<u>http://www.gardnermuseum.org/calendar/</u> <u>event\_series/third\_thursdays</u>

Enjoy wine and a night at the museum! The Third Thursday series at the Gardner Museum feature short talks about art and the museum, live music, and other activities throughout each evening.

#### ICA Free Thursday Nights

Every Thursday night, 5 PM to 9 PM Institute of Contemporary Art, 100 Northern Ave, Boston - **Free** 

#### http://www.icaboston.org/visit/

Admission to the ICA is free to everyone on Thursday nights from 5 PM until the museum closes at 9 PM.

## Meet the first-year students!

Students from the ISP and Neuroscience programs sent us some information about themselves. Naturally, we decided to share.

compiled by Kristina Cotter; Cell & Molecular Physiology - Third Year,

#### and Micaella Panessiti; Neuroscience - Third Year



Aaron Bernstein Burlington, MA Biology, Tufts University ISP

Hobbies: Surfing, Snowboarding What are you most looking

forward to during graduate school: Exposure to a wide variety of research Favorite thing about Boston and/or Tufts: Patriots/Bruins



#### Andrew Coleman

Holliston, MA Neuroscience, Bowdoin College Neuroscience

Hobbies: Enjoying the outdoors, New England sports teams

fanaticism, learning to whistle What are you most looking forward to during

graduate school: The opportunity to investigate research questions using a variety of experimental approaches

Favorite thing about Boston and/or Tufts: Walkability of the city and the accessibility of the faculty



#### Jess Davis-Knowlton

Cape Elizabeth, ME Biology, Brandeis University ISP

Hobbies: Helping friends move, home improvement projects,

shopping at Lowe's

What are you most looking forward to during graduate school: Getting to know the other graduate students and Tufts faculty members who will be my colleagues throughout the rest of my career

Favorite thing about Boston and/or Tufts: Easy access to really good food!



#### Kayla Gross

East Hampstead, NH BA in Chemistry/Biochemistry, Colby College ISP Hobbies: Writing, dancing, reading What are you most looking forward to during graduate school: Exposure to a wide variety of research interests and opportunities Favorite thing about Boston and/or Tufts: Being able to see the Boston Ballet



Nafis Hasan Dhaka, Bangladesh BS in Biology, Lafayette College ISP

Hobbies - reading, music, avocados

What are you most looking forward to during graduate school: meeting curious people (hence, grad school)

Favorite thing about Boston and/or Tufts -Biochem exams and dollar beers at Coogan's

#### Matt Kelley



Santa Rosa, California Neuroscience, UCLA Neuroscience Hobbies: Travel, Scuba Diving, Writing

What are you most looking forward to during graduate school: Joining a lab and the research. It's an exciting time to be in neuroscience.

Favorite thing about Boston and/or Tufts: I love how many things there are to do around Boston, even in the snow. Tufts is fantastic because of its small and collaborative environment.



Christina McGuire

Middletown, CT Biochemistry, Trinity College (Hartford, CT) ISP

Hobbies: Running, reading, hanging out with friends

What are you most looking forward to during graduate school: Becoming a real scientist, and making lasting friendships Favorite thing about Boston and/or Tufts: There's always something fun to do in the city.

#### Manasa Parakala

Nashua, New Hampshire Behavioral Neuroscience at Northeastern University Neuroscience Hobbies: Tennis, Volleyball,

Singing, Dance

What are you most looking forward to during graduate school: Meeting new people and publishing papers

Favorite thing about Boston and/or Tufts: Walking along the Charles River



Michaela Tolman

Chesterfield, New Hampshire Neuroscience, Wesleyan University Neuroscience

Hobbies: Horse-back riding,

cooking, exploring Boston

What are you most looking forward to during graduate school: Right now, getting into/started on my thesis project Favorite thing about Boston and/or Tufts: The people at Tufts

#### Julia Yelick



Concord, MA Pre-Med Neuroscience from Dickinson College, PA ISP

Hobbies: Running

What are you most looking forward to during graduate school: Gaining a better understanding of the field as a whole Favorite thing about Boston and/or Tufts: Summer along the Charles

## Team Neuro(Jen)esis, continued

it worthwhile." Jeannine admits that her favorite part of the race was wearing the custom-designed t-shirts and says "Hopefully we will do more races together in the future so that we can wear them as a team again." Overall, the camaraderie and accomplishment of finishing a half marathon is a positive memory in Team Neuro(Jen)esis' minds.

For those who aren't interested or ready to run half marathons, there are plenty of short races in the future. Jeannine is running a 5 mile "Super Sunday" race on 2/2/14 in Kendall Square and the 5k Spring Classic on 4/27/14 in Cambridge. Here are some additional, fun runs that all students could get into!

#### List of runs and races on page 7

## Papers listing a Sackler-affiliated author, since May 2013 (cont'd)

Lee V<sup>md/phd, neuro</sup>, Maguire J. Impact of inhibitory constraint of interneurons on neuronal excitability. J Neurophysiol. 2013 Dec;110(11):2520-35. doi: 10.1152/jn.00047.2013. Epub 2013 Sep 11. PubMed PMID: 24027099; PubMed Central PMCID: PMC3882765.

Vöhringer PA, Jimenez MI, Igor MA, Forés GA, Correa MO, Sullivan MC, Holtzman NS, Whitham EA, Barroilhet SA, Alvear K, Logvinenko T, Kent DM, Ghaemi SN. A clinical predictive score for mood disorder risk in low-income primary care settings. J Affect Disord. 2013 Dec;151(3):1125-31. doi: 10.1016/j.jad.2013.06.056. Epub 2013 Jul 31. PubMed PMID: 23916307.

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