

Sackler Relay XX: Students score a field day

Neuroscience reclaims Sackler Cup, edges Micro by single point

by Kofi Gyan^{PREP2}

The 20th annual Sackler Relays were held on Friday, July 31 at the Ellis Oval track and adjacent field at the Tufts Medford campus this year. Neuroscience returned to form with a one-point win over Molecular Microbiology, the defending champions. Third and fourth place were taken by the Genetics and Immunology programs, respectively. This year's events included the mile run, 4 x 200m relay, 100 yard dash, and obstacle course. Additional events included single elimination tournaments in volleyball, tug of war, dodgeball, and the last team standing water balloon toss. Congratulations and thank you to all who came out and participated!

The Sackler Relays has become one of the schools most cherished traditions. The fun-filled afternoon of athletic events, delicious food, and a fundraising raffle which raises funds to support the Sackler Student Enrichment Fund brings our entire community together. Funds raised from ticket sales and donations for the Relays benefit the Sackler Student Enrichment Fund, which provides grants to support the professional development of students. Such activities include, but are not limited to, travel to and attendance at national and international scientific conferences to present their research.

Overall, the twentieth annual Sackler Relays was a great success, the weather was excellent and lunch catered by Red Bones Barbecue and Dave's Fresh Pasta was delicious. Thank you to all members of the Graduate Student Council for planning and ensuring that everyone had a great time!

Next year will be the twenty-first year of the Sackler Relays, and initial planning is underway. Now is the time to speak up about proposed rule changes, tournament seeding, etc. If you have suggestions, requests, and/or want to get involved, please contact the GSC representative for your program.



Photo by Claudette Gardel

Sackler Relays and Student Enrichment Fund Donors

Corporate*

Airgas, Back Bay Yoga, BioTechne/R&D Systems, Boston Bruins, Boston Kitchen Pizza, Coolidge Corner Yoga, Earth Balance, Fajitas and Ritas, GourmetGiftBaskets.com, Harpoon Brewery, Invitrogen/Life Technologies/ThermoFisher, JP Licks, New Directions, New England Aquarium, The Paint Bar, Samuel Adams/The Boston Beer Company, Sigma Aldrich, Starbucks, Teavana, Tufts University Health Sciences Campus Bookstore

Faculty and Individuals*

James D. Baleja, Ph.D.
Thomas Biederer, Ph.D.
Peter H. Brodeur, Ph.D.
Andrew Camilli, Ph.D.
Brent H. Cochran, Ph.D.

Rebecca S. Cooper, Ph.D.
Larry A. Feig, Ph.D.
Jonathan A. Garlick, D.D.S., Ph.D.
Grace B. Gill, Ph.D.
Ira M. Herman, Ph.D.
Kristin Hill
Philip Hinds, Ph.D.
Gordon S. Huggins, M.D.
F. Rob Jackson, Ph.D.
Lei Jin, Ph.D.
Peter Juo, Ph.D.
Kathryn E. Lange
L. Claire Moore, Ph.D.
Karl Munger, Ph.D.
Heber C. Nielsen, M.D.
Mercio Alves Perrin, M.D., Ph.D.
Emmanuel N. Pothos, Ph.D.
Naomi Rosenberg, Ph.D.
Gary Sahagian, Ph.D.
Erik Selsing, Ph.D.
Ekaterina V. Torchilin, Ph.D.
Henry H. Wortis, M.D.
Andrew Wright, Ph.D.

* More information about our donors on p. 7

GSC program representatives are listed on p. 2.

2015-16 GSC Officers

President

Michaela Tolman

Vice President

Sarah Jung

Treasurer

Alex Jones

Program Representatives

Biochemistry

Christina McGuire¹

CMDB

Nafis Hasan¹

Cho Low¹

Julia Yelick¹

CMP

Daniel Wong²

Genetics

Kevin Child¹

Jaymes Farrell¹

Immunology

Megan McPhillips¹

Frankie Velazquez¹

Molecular Microbiology

Sanna Herwald¹

Sarah Jung²

Neuroscience

Alex Jones²

Michaela Tolman²

PPET

Amanda Gross¹

Joshua Oppenheimer¹

MD/PhD Liaison

David Dickson²

Faculty Liaison

TBD

Dean's Office Liaison

Kathryn Lange

InSight Newsletter Team

Jessica Davis-Knowlton

Kayla Gross

Kofi Gyan

Nafis Hasan

Sanna Herwald

Laura Pavlech

Daniel Wong

^{1,2} Denotes years on GSC

GSC 2015 Organizational Updates

Representation

ISP to CMDB Program Merger

The former first-year Integrated Studies Program (ISP) has been merged into the Cellular, Molecular, and Developmental Biology (CMDB) program, and the Biochemistry (Biochem) and Cellular and Molecular Physiology (CMP) programs will no longer be taking new students. Consequently, Biochem and CMP will each only be required to have one GSC representative, while CMDB will be required to send three representatives.

PPET Masters Program

Students in the Program in Pharmacology and Experimental Therapeutics (PPET) are now eligible to serve as one of the two GSC representatives from PPET.

Committees

The GSC is divided into committees that are responsible for organizing events to enrich student life at Sackler. These include social, professional development, networking, and community service activities, among others. If you are interested in volunteering to serve on a committee or assist with an event, please contact the committee chair (underlined).

Advertising

Kevin Child^{GENE3}, Jaymes Farrell^{GENE2},

Joshua Oppenheimer^{PPET2}

Duties: Post any information about upcoming SGSC events via fliers, the Sackler website, or any other means deemed necessary; work with the President or Vice-President to send out emails to the Sackler students, work with the Dean's Office to send out emails to additional members of the Sackler community. All flyers must be approved by Dean's office before posting.

Career Paths

Christina McGuire^{BCHM3}, Kevin Child^{GENE3}, Amanda

Gross^{PPET4}, Julia Yelick^{CMDB3}

Duties: Organize the Career Paths Seminar series; recruit external speakers from a diverse set of professional environments to speak about their career experiences; work with the Dean's office to recruit speakers and to help facilitate events.

Newsletter

Daniel Wong^{CMP5}, Nafis Hasan^{CMDB4}, Sanna Herwald-
MMBI/MSTP3

Duties: Write, edit, organize, and distribute an electronic newsletter at least bi-monthly; actively solicit newsletter contributions from SGSC members, students, and faculty; serve as a conduit of information from the SGSC to the Sackler student body.

Social

Frankie Velazquez^{IMM5}, David Dickson^{NRSCI/MSTP3},
Jaymes Farrell^{GENE2}, Cho Low^{CMDB3}, Megan McPhillips^{IMM4}

Duties: Organize social events to promote GSC visibility within the student community.

Liaisons

Clubs & Student Groups

Julia Yelick^{CMDB3}

Duties: Serve as a liaison to any student wanting to start an SGSC-sanctioned club; present the proposal for any clubs to the SGSC for a vote.

Library

Sanna Herwald^{MMBI/MSTP3}

Duties: Serve as SGSC liaison to the TUSM/Sackler Library Committee; identify and lobby for student issues relevant to library use and resources.

Outreach

Megan McPhillips^{IMM4}

Duties: Organize volunteer and community service events for the Sackler community

Postdoctoral Association

Michaela Tolman^{NRSC3}

Duties: Serve as liaison to the Tufts Postdoctoral Association; identify common causes and promote cooperation as necessary.

Safety

Cho Low^{CMDB3}

Duties: Serve as SGSC liaison to the TUSM/Sackler Safety Committee; identify student safety concerns; work with faculty safety officers and the administration to secure a safe working environment.

Scientific Affairs

Amanda Gross^{PPET4}

Duties: Serve as SGSC liaison to the TUSM/Sackler Faculty Scientific Affairs committee.

Social Media

David Dickson^{NRSCI/MSTP3}

Duties: Manage the GSC's social media accounts and presence. Currently on Twitter: @sackler_gsc and Facebook: Tufts University Sackler Students

Interested in writing?

We'd like your contribution! Works about both science and non-science topics accepted. Writers will be acknowledged, with increasing recognition (guest writer, contributor, staff writer) for additional content submissions and publication.

Sackler Student Enrichment Fund

Relays net income adds \$2,000 to Fund; Call for applications

The combination of admission and raffle ticket sales as well as donations from faculty, individuals, and corporations to this year's Sackler Relays yielded a net income of just over \$2,000. This will be added to the Sackler Student Enrichment Fund (SEF), formerly the Scientific Travel Award Program, and made available for awards to students presenting their work at conferences or engaging in educational or career development courses, seminars, or workshops.

** The official call for Fall 2015 Scientific Travel Program/Sackler Student Enrichment Fund (SEF) Applications was recently issued via e-mail from the Sackler Dean's Office. The information is reproduced below and in the next column:*

The Sackler Student Enrichment Fund (SEF)/Scientific Travel Program was created to help fund students who are presenting their PhD research at major international and national scientific meetings. Funds for this award come from the profit from the Sackler Relays, the Provost's Office, and the MSTP grant. The average award during the past three years was \$875, but the funding varies depending on resources available and on the cost of the meeting the student plans to attend.

All application materials are to be submitted via email to jessica.wang_strykowski@tufts.edu by Thursday, October 1st at 9:00 a.m. Please read below for further details on application submissions. Information can also be found on the Sackler website at <http://sackler.tufts.edu/Student-Life/Student-Awards/Sackler-Student-Enrichment-Fund>.

Grants and fellowships

Congratulations to the Sackler Dean's Fellows, students receiving the Sackler Families Cancer Biology Award, and students who have recently received NIH F31 awards:

Sackler Dean's Fellows

Christina McGuire ^{BCHM3}	PI: Michael Forgac
Lamyaa Shaban ^{MMB3}	PI: Joan Mecsas
Michaela Tolman ^{NRSC3}	PI: Yongjie Yang
Charles Torgbor ^{IMM3}	PI: David Thorley-Lawson

Sackler Cancer Biology Award

Siobhan McRee ^{GENE4}	PI: Philip Hinds
James Schiemer ^{CMP4}	PI: Athar Chishti

NIH F31 fellowships

Kristina Cotter ^{CMP5}	Aug 2015	PI: Michael Forgac
Kevin Goncalves ^{CMP5}	Apr 2015	PI: Guo-fu Hu
Julie Hewitt ^{NRSC5}	Apr 2015	PI: James Schwob
Carrie Hui ^{CMDB4}	Aug 2015	PI: Li Zeng
Brian Lin ^{CMDB6}	Apr 2015	PI: James Schwob
Claire Metrick ^{BCHM5}	Apr 2015	PI: Katya Heldwein
Laura Stransky ^{CMP5}	Apr 2015	PI: Michael Forgac

Scientific Travel Program/Student Enrichment Fund Application Deadlines

The Fall application deadline is October 1, 2015.

Award Amount

The funding varies, depending on resources available and on the cost of the meeting, course, seminar or workshop the student plans to attend.

Eligibility

All matriculated Sackler PhD and MD/PhD students are eligible to apply for program funds; Master's students, Special students and Visiting students are not eligible. No more than one student per lab may apply in any application cycle, and a student may receive support only once while enrolled at the Sackler School.

Application Procedures

Sackler students initiate the application process. The application should include the applicant's name, graduate program, year at the Sackler School, thesis adviser's name, and anticipated graduation date as well as the following information.

- Area of scientific research
- Location and date of the event (for Fall applications, meeting needs to be October 1-April 30 and for Spring applications April 1-October 31)
- Budget that includes registration fee, tuition, travel costs, lodging, food, and total funds requested
- Description of Research - including a statement on the biomedical significance of the research (250 words or less) and your specific role in the research project
- If applying for funds to attend a Meeting, submit an Abstract of Research formatted in the traditional way required for submitting authors for scientific meeting of interest. Please indicate whether your abstract has already been submitted or accepted.
- Letter of support from your thesis adviser
- Curriculum vitae
- Names and dates of all previous scientific meetings and educational or career events attended
- If applying for funds to attend a course, seminar, workshop, or other educational or career development event, submit a copy of the event announcement and an essay stating how attendance will benefit your educational or career goals.

Selection Criteria

All of the submitted documents are weighed in identifying recipients.

Application Submission

All application materials are to be submitted via e-mail to jessica.wang_strykowski@tufts.edu.

Notes from the Library...

by Laura Pavlech^{HHS}



Hello! I am the new liaison librarian to the Sackler School, Laura Pavlech. I joined Hirsh Health Sciences Library in May of this year. I am excited to return to Tufts, where I attended veterinary school, and work with the health sciences students, faculty and staff. You may be wondering what a librarian can do for you. I think of my job as helping people find, organize and use the resources available to them at Tufts and beyond... here are a few examples of the types of questions that I can answer:

Find journal articles: Whether you are investigating a new topic or preparing to write the introduction section of your thesis, I can help you choose which databases to use, and construct a good search strategy.

Find protocols & methods: Have you been asked to use a technique about which you know nothing? I can show you where to find books, journals and videos devoted to in-depth descriptions of scientific protocols and methods.

Find chemical & drug information: Want to find property data, similar molecules or patents for a chemical compound? I can direct you to the best resources for chemical and drug information, and teach you how to search these resources.

Find data & health statistics: Do you need to find a data set to utilize in your research, or health statistics to support a grant proposal? I can assist you in locating publicly available data sets and health statistics.

Organize your citations: Learn how to use a citation manager, such as EndNote or RefWorks, to store references and journal articles, and insert formatted citations into Word documents.

Establish your research identity: I can show you how to find journal Impact Factors, citation counts, and other metrics that can help you demonstrate the impact of your work to funders and prospective employers.

Maintain compliance with funder public access policies: What are public access policies, does my funder have a public access policy, and when I publish, what do I need to do to comply with these policies?

There is a lot of information out there and more is being created every day. Part of becoming a good scientist is learning how to find and use the information that you need in an efficient and effective manner. I can help you do that:

Office hours: Beginning August 31st, I will have weekly office hours for which you can either schedule an appointment or just drop by. My office is located on 6th floor of the Sackler building.

Scheduled consultations: You can contact me via phone (617-636-0385) or email (laura.pavlech@tufts.edu) to schedule an appointment at a time that is convenient for you.

Research guides: The library has several research guides that can direct you to the resources that you need, and may also help you answer some of the questions I described above. Check out the Biomedical Sciences Research Guide (http://researchguides.library.tufts.edu/biomedical_research), or the complete list of guides (<http://researchguides.library.tufts.edu/hhsl>).

Upcoming Library Events...

Weekly Librarian Office Hours

Tu 10–11 AM / W 3–4 PM / F 12–1 PM
Sackler Library Offices, Rooms 610, 612, 614
Drop-by or schedule an appointment during these times: www.library.tufts.edu/hsl/services/laurapavlech.php

Open Workshop: PubMed – The Basics

W Sep 16 & Th Sep 17, 12–1 PM
Sackler 510

Registration: www.library.tufts.edu/hsl/education/workshops.html

Introduction to PubMed, including how to plan and execute an effective search, narrow results and export citations into citation management programs. Same session offered both days.

Open Workshop: Point-of-Care and Mobile Resources

W Sep 23 & Th Sep 24, 12–1 PM
Sackler 510

Registration: www.library.tufts.edu/hsl/education/workshops.html

Point-of-care resources provide evidence-based summaries of diseases and other conditions, and are designed for clinical use. They can also be helpful for quickly finding information about a disease, and links to additional resources, such as practice guidelines and primary literature. Same session offered both days.

Open Workshop: Web of Science and Scopus

W Sep 30 & Th Oct 1, 12–1 PM
Sackler 510

Registration: www.library.tufts.edu/hsl/education/workshops.html

Go beyond PubMed! These two databases can be used to find journals articles and conference proceedings, and the number of times these items have been cited, from the sciences, social sciences, art and humanities. Same session offered both days.

PubMed Tip of the Month

Use the 'PubMed@Tufts' link to access PubMed from either on or off campus. This will enable you to easily access full text articles available through Tufts Libraries. When you wish to access the full text of an article in PubMed, click on the title of the article and look for the blue 'Find It@Tufts' button at the top of the column on the right side of the page. This will either bring you directly to the article or to a page where you can search for the journal in our library catalog.

Full text links
Find It@Tufts

On the Library Shelf

For work...

Quality by Design for Biopharmaceutical Drug Product Development

Jameel Feroz, Susan Hershenson, Mansoor A. Khan, Sheryl Martin-Moe (editors)

Location: Electronic (<http://library.tufts.edu:80/record=b2783299-S1>)

From the publisher: "Provides an authoritative, detailed and clear explanation of QbD [Quality by Design] principles and its applications/implications for the development and commercialization of biopharmaceutical drug product for the biotech and pharmaceutical industries. Demonstrates how QbD is used for formulation development ranging from screening of formulations, to development of formulations, to development of lyophilized and liquid formats."



Hirsh Health Sciences Library on Social Media:



Tufts University Hirsh Health Sciences Library



TuftsHHSL

And leisure...

Wrong Place, Wrong Time: Trauma and Violence in the Lives of Young Black Men

John A. Rich

Location: On order for Hirsh Health Sciences Library

Each year, Tufts University School of Medicine and Tisch College choose a Common Book for incoming medical students. This year's selection, *Wrong Place, Wrong Time: Trauma and Violence in the Lives of Young Black Men*, is authored by John Rich, Professor at the Drexel University School of Public Health and former medical director of the Boston Public Health Commission. Dr. Rich also worked as a primary care physician at Boston Medical Center, where he created and directed the Young Men's Health Clinic. An author presentation and discussion is scheduled for Wednesday, October 7th from 1-2 PM in the Sackler Auditorium. Multiple copies of this book are on order for the Hirsh Health Sciences Library, so check the library catalog.



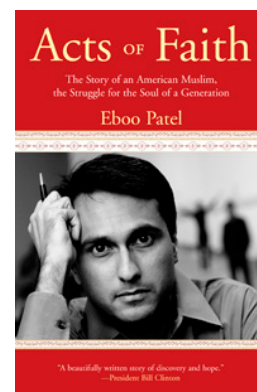
Acts of Faith: The Story of an American Muslim, the Struggle for the Soul of a Generation

Eboo Patel

Location: HHSL Book Stacks

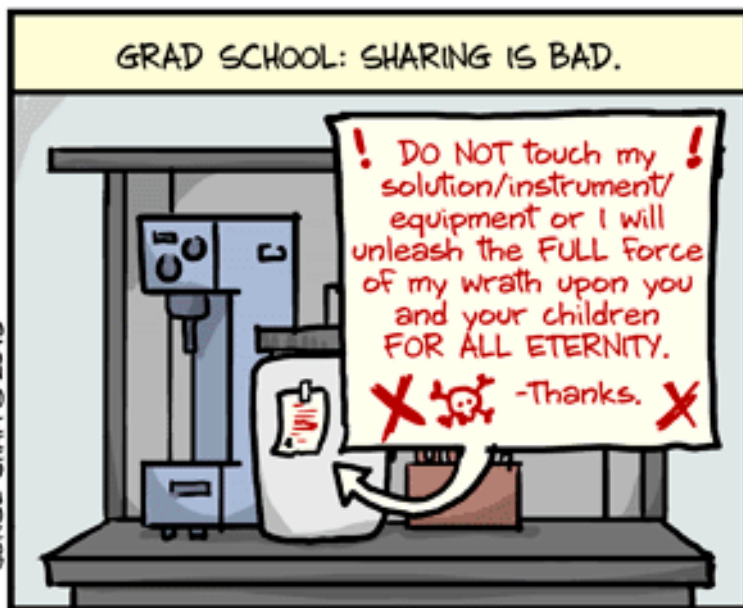
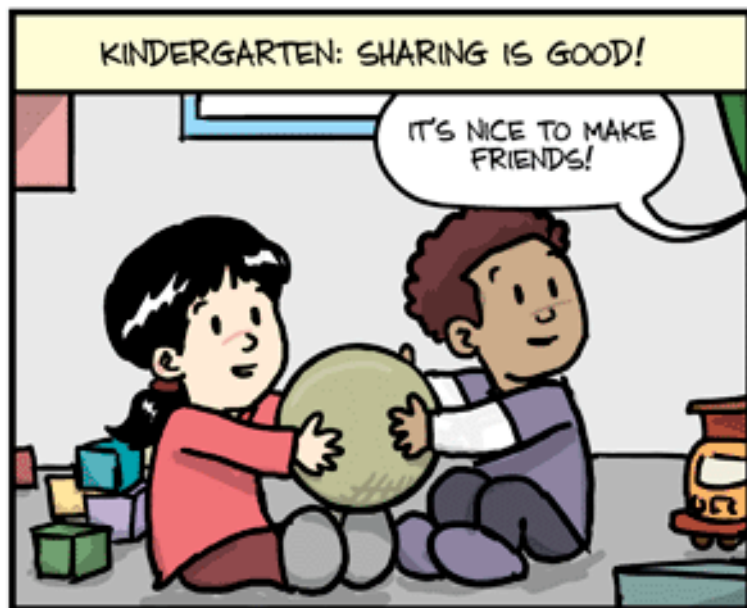
E 184 M88 P38 2010

A Common Book is also selected for the incoming undergraduate students. Multiple copies of this year's selection are currently available at the library.



"Piled Higher and Deeper" by Jorge Cham

www.phdcomics.com



WWW.PHDCOMICS.COM

Recap: Speed Networking, by Propel Careers

Hosted by GSC Career Paths & Sackler Dean's Office — April 24

by Michaela Tolman^{NRSC3}

Third in a three-part series put on by GSC's Career Paths and the Dean's Office, the Propel Careers Speed Networking event was a great success. Lauren Celano, Co-Founder and CEO of Propel Careers spoke on informational interviewing followed by speed networking with seven invited guests.

These days, a large number of positions are filled through referrals and personal connections. Building these connections, networking, in grad school can be daunting. Celano demystified the process of "informational interviewing" to make the process a little easier.

It is important to realize that an informational interview is NOT a job interview, but to also be prepared and present yourself well, since many jobs are filled through connections and referrals. Some of Celano's advice included:

How to find people

Think about former lab mates, conferences, companies you're interested in, seminar speakers, networking organizations, and LinkedIn.

Before you meet

Email the person you would like to meet with. It is more likely they will reply if you have been referred by a common contact. Be specific and brief in describing what you are looking for and the types of questions you would like to ask.

What to ask

Ask about the career progression and growth potential at their company or institution, skills that are needed versus skills that are nice to have, the management style, and how they got the job. Even ask more broadly: what should I be thinking about? Is there anyone else I should talk to? What should I be asking?

How to keep in touch

Make a list of people you talk to and who referred you. Keep up your LinkedIn profile and elevator speech. If you have news or see an article they might be interested in, send it to them. Attend meetings and go to events where you can connect and reconnect.



Photo by Kathryn Lange

Celano stresses that it is never too early to start this process. To that end, the 40 students in attendance proceeded to speed network over wine and hors d'oeuvres, putting their new knowledge to work. Mentors (many of whom graduated from Sackler themselves!) and mentees enjoyed lively conversations. Participants saw how easy and fun it could be to explore their career options and make connections. A huge thank you to our guest mentors, Lauren Celano, GSC, and the Dean's office for a great event!

Mentors:

Peter Cheslock, Ph.D.

Graduate School: Sackler, Genetics, 2008
Currently: Mass Biologics, Quality Control Scientist; University of Massachusetts Medical School, Instructor of Medicine

Chris Dulla, Ph.D.

Graduate School: University of Colorado, Health Sciences, 2005
Currently: Tufts, Assistant Professor, Neuroscience and CMDB
Previously: Stanford, Post-doctoral scholar

Donna Hochberg, Ph.D.

Graduate School: Sackler, Immunology, 2003
Currently: Health Advances, Vice President
Previously: One Cell Systems, Scientist

Berri Jacque, Ph.D.

Graduate School: Sackler, Immunology, 2010
Currently: Center for Translational Science Education, Co-Director

Christina Isacson, Ph.D.

Graduate School: Sackler, Neuroscience, 2005
Currently: Third Rock Ventures, Principal
Previously: Ironwood Pharmaceuticals, Senior Director of Business Development

Carolyn Peluso, Ph.D.

Graduate School: Sackler, CMDB, 2008
Currently: Cell Signaling Technology, Science Writer and Editor
Previously: NICHD, Post-doctoral Scholar

Ben Umiker, Ph.D.

Graduate School: Sackler, Immunology, 2014
Currently: Merck, Associate Scientist and Post-doctoral scholar

Propel Careers

Propel Careers is a Boston based life sciences search and career development firm with the unique distinction of being dedicated to networking, mentoring and career development. GSC Career Paths and the Sackler Dean's Office have worked with Lauren Celano of Propel Careers to organize and host seminars tailored to benefit the Sackler community. Find more information on and services provided by Propel Careers: propelcareers.com

Donors to the Relays

The GSC would like to thank and acknowledge the businesses that and individuals who made donations to the Sackler Relays this year and the Sackler Student Enrichment Fund. We would further like to thank the 2014-2015 GSC representatives for their fundraising efforts, particularly: Kristina Cotter^{CMP5}, Dave Dickson^{NRSCI/MSTP3}, Alex Histed^{IMM4}, Carrie Hui^{CMDB4}, Sarah Jung^{MMB4}, Melissa LaBonty^{CMDB4}, Claire Metrick^{BCHM5}, Meagan Montesin^{GENE4}, Alexandra Taracanov^{PPET4}, and Michaela Tolman^{NRSC3}.

Businesses:

Airgas [Scientific Supply]
airgas.com

Back Bay Yoga [Health & Fitness]
 364 Boylston Street, 2nd Floor, Boston
 [between Arlington and Berkeley Streets]
backbayyoga.com

R&D Systems / Bio-Techne [Scientific Supply]
rndsystems.com

Boston Bruins [Entertainment]
bruins.nhl.com

Boston Kitchen Pizza [Food & Drink]
 1 Stuart St, Boston
bostonkitchenpizza.com

Coolidge Corner Yoga [Health & Fitness]
 1297 Beacon St, Brookline
coolidgeyoga.com

EarthBalance [Food & Drink]
earthbalancenatural.com

Fajitas and Ritas [Food & Drink]
 25 West St, Boston
fajitasandritas.com

Harpoon Brewery [Food & Drink]
 306 Northern Ave, Boston
harpoonbrewery.com

Invitrogen / Life Technologies / ThermoFisher [Scientific Supply]
thermofisher.com

J.P. Licks [Food & Drink]
 (multiple locations)
jplicks.com

New Directions [Career Services]
 376 Federal St, Boston
public.newdirections.com

New England Aquarium [Museum]
 1 Central Wharf, Boston
neaq.org

The Paint Bar [Entertainment]
 248 Newbury St, Boston
thepaintbar.com

Sam Adams / The Boston Beer Company [Food & Drink]
 30 Germania St, Boston
samueladams.com

Sigma Aldrich [Scientific Supply]
sigmaaldrich.com

Starbucks [Food & Drink]
starbucks.com

Teavana [Food & Drink]
 Cambridgeside Galleria
 100 Cambridgeside Pl, Cambridge
 The Shops at Prudential Center
 800 Boylston St, Boston
teavana.com

Tufts University Health Sciences Campus Bookstore
 116 Harrison Ave, Boston
tufts.bncollege.com (select "Tufts University Health Sciences" at top)



Photos by Claudette Gardel