A Metaphor for the Graduates

Relationships in Science as in Life

BY DR. CHRIS A. WALSH

Director’s remarks to the graduates at the Annual Spring Dinner held on June 6, 2006

It always amazes me to look over the thesis topic of the graduating MD-PhD students, to see how diverse a group it is, and how their work resonates with what is the finest and most exciting stuff in biomedical science. I guess that is said partly out of a sense of pride, because a lot of the papers published by this particular group of graduating students are in fact among the finest work of the last few years. In the tremendous diversity of topics, some common themes emerge, especially in the areas of development and regulatory control.

For instance, we have Victoria Wang’s studies of how the transcription factor, Oct-1 controls so many diverse aspects of organ development, or David Miyamoto’s work on how kinesins function in the cell cycle. Or Sunny Haparvat’s studies of how the development of the retina is controlled by thyroid hormone, starting to put a developmental perspective on the widely known importance of thyroid hormone to brain development. Some students might have considered collaborating, since Tom Deuel and Vassilios Bezerides were both studying the elongation of axons in the developing brain, and Eric Osborn’s studies of actin dynamics in endothelial cells would probably have given important information to both of them, and maybe Eric and Jason Commander had some interesting conversations, given Jason’s interest in the function of endothelial cells in the inflammatory response.

The theme of regulatory control connects Emanuela Binello’s studies of immune regulation and cardiac rejection, and Jay Chyung’s studies of regulation of the proteins that cause Alzheimer’s disease, as well as Wes Ulm’s analysis of viral restriction and the retroviral proteins that cause this phenomenon. Arlo Miller also defined how the melanoma proteins are regulated by the microphthalmal protein, David Berry focused on how glycosaminoglycans regulate so many diverse aspects of cellular function, and Yonatan Grad took a bioinformatics approach to hunt through entire genomes to identify sequences that reg-

continued on page 5
A seemingly disparate group of aspiring scientists and clinicians, this year’s MD-PhD class brings with it a variety of interests, both academic and extracurricular. From the moment our summer course began, there was excitement all around. We quickly came together through Sunday night Vanderbilt Hall potlucks, daytrips around Boston, and late night treks for ice cream. In the coming years, we expect this bond to grow stronger and to be a source of support within our group. Despite our varied obsession with the Red Sox or Yankees, 9 pm bedtimes versus midnight Minipreps, and love for warm weather compared to the frigid chills of Boston, our group shares a strong common interest in the pursuit of free food and, of course, a little bit of research if time permits.

Below are short descriptions of each of the members of the first-year class. These blurbs highlight the diverse backgrounds of the group, and the tremendous contribution that such diversity is sure to make in our future development as physician-scientists.

**Katrina Abuabara**, a native of Northern California, stayed true to her roots and graduated from Stanford University in 2001 with a BA in human biology and a MA in sociology. She then migrated south to Mexico City, where she worked on reproductive health epidemiology in Latin America. She has since focused on disease modeling and decision analysis at UCSF and the Harvard School of Public Health, and is currently interested in infectious disease and international health policy. Even after two years in Boston, she still isn’t convinced that winter is a time to be indoors, and you may just find her bundled in down, biking along the Charles or jogging in Brookline.

**Joseph Franses** was born in West Lafayette, Indiana, and attended Purdue University, where he earned bachelor’s degrees in chemistry and chemical engineering in 2005. After college, he married his high school and college sweetheart, Nicole Waples, before coming to HMS. In his spare time he enjoys playing on the dominant HST intramural basketball team, reading, trying to not forget how to play the piano, and finding more things that need to be fixed in his new condo. Joseph’s past research interests include cardiovascular drug delivery, biomaterials, and vascular biology. He hopes to, in chronological order: own a dog, have some kids, and become a cardiologist and researcher. Joseph is very honored to be part of such a fantastic group of colleagues.

**Vijay Ganesh** was born and raised in upstate New York. As he headed to Harvard to pursue a degree in biology, his prescient mother told him that his good fortunes would follow him to Boston. Unfortunately, this has come to mean that in the six years since he left his hometown, the N.Y. Yankees and N.Y. Giants have failed to win a single championship, while the historically inept Red Sox and Patriots have experienced unprecedented luck. Perhaps as a testament to his emotional fortitude, Vijay decided to remain in Boston for his M.D.-Ph.D. He is excited to continue his research training in neuroscience. Though he knows that a career as a physician-scientist is difficult to craft, what he has witnessed in Boston and abroad tells him that anything is possible. This delusion keeps him motivated, and his first-rate classmates in HST keep him happy—both in class, and on the tennis, basketball, and squash courts.

**Marie Hollenhorst** is from Saratoga, California. She attended Stanford University, where she studied biology and did research on the molecular mechanism of T cell anergy. After graduating, she made the strange choice to trade Palo Alto’s palm-tree-lined streets for the gray skies of Boston. Luckily, in Boston she found a group of friendly and smart MD/PhD students who proved to be just crazy enough to merit spending 7-8 years with. In the future, Marie hopes to combine her passions for chemistry, biology, and medicine into a successful career that will still allow her to have time for her favorite activity: sleeping!

**Honor Hsin** graduated from Harvard College in 2005 with a degree in biochemical sciences. She currently aspires to pursue her interests in molecular neuroscience and forensic psychiatry at MIT and...
Harvard, respectively. In her spare time she enjoys running in the gym before class and reading books and articles on foreign affairs and defense policy.

Erin Loeliger was raised on the fair shores of Maryland’s Chesapeake Bay and attended the University of Maryland Baltimore County, graduating with a major in biochemistry and a minor in philosophy for a nice balanced academic diet. During her time at UMBC, Erin worked in a structural biochemistry lab studying viral proteins of HIV. Her current research interests include virology and stem cell biology. She spends her free time pursuing her back-up career of ballroom dancing, pondering the meaning of life and other unanswerable questions and trying to learn how to cook without burning her kitchen down. Erin feels immeasurably lucky to be a member of such a fabulous class.

Athar Malik, a native of southeast Michigan, graduated from the Johns Hopkins University in 2005 with a degree in biomedical engineering. Athar’s undergraduate experiences investigating cartilage tissue engineering excited him about the therapeutic potential of stem cells and tissue engineering. However, he recently became even more excited by the field of neuroscience and is now planning on working in a cellular and molecular neuroscience laboratory. Motivated principally by his faith as an Ahmadi Muslim, Athar hopes to improve understanding of normal and pathologic processes in the human body through his career as a physician-scientist. As an avid athlete, Athar regularly makes time to play pickup games of basketball and squash with his colleagues.

Peter Miller is a “southern” lad from Atlanta, GA, but has been in Boston for the past five years. As a 2005 graduate of MIT with a dual B.S. in chemical engineering and biology, he is most interested in cancer research, although he has also worked in biochemical engineering and immunology in the past. Outside of class he enjoys sports, “straight chillin’ and illin’” with colleagues, and logging onto MyCourses. Other than that, Peter looks forward to many, many, many years of education and hopes to run a lab, practice pediatric oncology, and cure cancer by the age of thirty four.

Sidharth Puram is perhaps the only one who considers Boston a spring break destination. Born and raised in Minnesota, he views Boston as a pleasant escape from the occasional minus-30-degree wind chills of his home. As a former MIT student studying biology and neuroscience, he worked in the lab of Dr. Bob Langer on DNA delivery using polymer microspheres. However, in the upcoming years he hopes to “ditch the engineering,” and pick up some good old-fashioned biology, a.k.a. droning the days away with Western Blots. In his copious amounts of free time, Sid enjoys scuba diving, playing squash, and participating in photo shoots with his HST colleagues. Although a neuroscience focused research career is his most likely aspiration, he feels confident that if all else fails, he can fall back on a career of professional “car on frozen lake” driving and snow football. You’ll know you’ve found him when you see the guy without a jacket in the dead of the Boston winter.

Xavier Rios-Villanueva used to live in Puerto Rico, where he did his undergrad studies in industrial biotechnology. He enjoys explaining to people the “special” relationship between Puerto Rico and the US, and how he is not really an international student. In addition, he wishes to become a better salsa dancer and spends a considerable amount of his free time learning about the Japanese culture and language via anime. Currently he is interested in applying systems biology approaches to stem cells and human metabolism and, as a pastime, wonders why people decided to build cities in places where winter lasts six months.

Takahiro Soda is a son of one of those Japanese “salarymen” who thought he was being sent to the USA for 2 or 3 years and would soon return to Japan and live an average life. However, his family ended up staying here for a long time. As a result, Takahiro graduated from UCLA with a degree in neuroscience. He has taken part in research on Huntington’s disease and is interested in psychiatric illnesses. When Takahiro is not in class, he is sleeping, playing soccer, or eating, sometimes all at the same time. His drive in life is to consume mass quantities of good food. He somehow plans to achieve this end through a career involving research and care of psychiatric illness.
Bread and Circus

Some things never change

Since September, the first and second year MD-PhD classes have gathered weekly for the free exchange of ideas, and, of course, free food. Our goal was to create a forum for informal peer advising and social interaction; the result was much camaraderie and a fascinating series of student and guest presentations. The topics varied widely with our diverse interests, encompassing everything from the conventional to the unconventional, and then the even less conventional.

Craig Mermel began the series with an ethical debate on the right of a pharmacist to refuse emergency contraception. Ben Rapoport later managed to overcome his micrographia long enough to present an analysis of crossword strategy using an overhead projector. In October, first year student Peter Miller stepped up to the lunchtable with a truly novel topic: medicine. Using the second years as an overzealous consult service for the first year class, we collectively cracked the case “A Five Day Old Girl With Leukocytosis.”

Ben Rapoport set a new standard of entertainment with his presentation “Exotic Medical Images: Raw Food Diets,” a review of strange but true vignettes from the photographic archives of the New England Journal that will make you think twice before ordering sushi again.

Sol Schulman continued the foray into pseudo-science with a talk on “Executive Privilege: A Matter of Life and Death,” surveying the dark medical secrets of the US presidents. After hearing circumstantial evidence that our potent leader George ‘The Potomac Stallion’ Washington may not have been so potent, that president Harding likely suffered from mumps orchitis, and that FDR was into digital clubbing, we successfully completed a quiz matching president with pathology.

Dr. Thomas Stossel, Professor of Medicine at Harvard Medical School and the Brigham and Women’s Hospital, engaged us in a lively talk and subsequent discussion on the relationship between publicly and privately funded research. A strong believer in the benefits of fostering a close relationship between academia and industry, Dr. Stossel highlighted recent government regulation of such interaction and how we would be impacted as future physician-scientists.

The weekly lunches also provide a means by which to implement more formal advising. Distinguished guests have included Dr. Walsh, Dr. Blacklow, Dr. Rupnick, and Dr. Dienstag, collectively covering topics ranging from lab and graduate program selection to summer clinical clerkship opportunities.

The ancient Romans knew the only true way to placate an oppressed working class, and some things never change. Our busy ways pull our classes in many directions, but we continue to look forward each week to our very own bread and circus.

We are happy to introduce the inaugural MD-PhD Newsletter cartoon by Ben Rapoport, MD-PhD student now entering his third year in the program. Ben began drawing cartoons for elementary school spelling assignments and eventually went on to draw editorial cartoons for the Harvard Crimson.
MENTORS AND ROLE MODELS are important, as we’ve been told all our lives. For many of us, that’s how we got here (and why we wanted to) in the first place. However, as we make our way through the MD-PhD Program, it may seem hard to locate role models who are able to maintain a clinical practice while successfully pursuing academic research. So, we worked with Dr. David Hafler and our program director, Dr. Chris Walsh, to begin a series of dinners this past June to help address this issue.

The plan was, we could have a small group of MD-PhD students in their lab years of their MD-PhD visit the homes of faculty who would open their living rooms and their lives to the students, invite a few faculty friends, and chat with us over Thai food about how to make this career path work. No powerpoint, no chalk talks—just straightforward advice about the things you think about, but are never quite sure who to ask—how do you move from your residency into a lab of your own? How do you make time to have kids? How does tenure work? How can you do all this and be happy and fulfilled?

So far, we’ve had four dinners. We began in June, 2005, with Dr. Chris Walsh and his wife Dr. Ming Hui Chen and their lovely daughters who invited Dr. Maria Rupnick to join us for Thai food and a discussion of the proposed changes to the medical curriculum at HMS. A few months later, Dr. Hafler and his wife Dr. Janet Hafler, and their son Brian, who is a member of the MD-PhD Program, and their younger son Jason, hosted a dinner in September, inviting us and Dr. Laurie Glimcher, Dr. David Fisher and Dr. Michael Brenner out to West Newton to enjoy a lovely fall day and conversation. We had a Chinese New Year-themed dinner with Dr. Cynthia Morton in January, which led to a great set of discussions about tenure, applying to residency and the realities of the two academic-track parent families.

In April we were hosted by the Provost of Harvard University, Dr. Steven Hyman and his wife Dr. Barbara Bierer, VP for Research at BWH. It was a great opportunity to chat and get advice from a couple who both hold key administrative positions. We’re also scheduling dinners with Dr. David Altshuler and Dr. Joel Hirschhorn—if you have any suggestions for dinners or if you’d like to help out, please let me know!

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METAPHOR FOR GRADUATES

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ulate all different kinds of genes regardless of their function.

And so it seems everything these days in science is about relationships. How one thing regulates or relates to another. As though the outer boundary lines of biomedical science are becoming sketched in—after all, we know how many base pairs of DNA there are in our genome, how many genes there are (approximately), and there are fewer and fewer proteins out there without names or ascribable functions. Genome sequencing projects are done with the big players humans and mice and are now down to sequencing the nine-toed hedgehog and the armadillo—no kidding—or to figuring out how to sequence your genome or mine, and not just Craig Venter’s DNA or the DNA of Craig Venter’s pet dog. This maturity has led some people to suggest that certain fields—like developmental genetics—are becoming mature, and that tomorrow’s Nature and Cell papers will have to come from somewhere else. Increasingly this somewhere else involves working with a finite group of parts and focusing on how they relate, because even with a finite number of elements, we know that their relationships will still be almost infinite.

And I guess that’s a metaphor for where we are tonight. Because even though we are a finite group of people, our relationships are potentially infinite and much more interesting: relationships to families, to friends, to our science, and to the science that is done by our colleagues. That is where the real interest lies, the “Cell papers of our life-times” not inside ourselves as one piece, but how we relate. This is something I find I have always done a very bad job of remembering myself, and that I have been thinking of this week as I was at my old school—the University of Chicago—helping to celebrate the career of one of my former teachers, and catching up with some old fellow students. So with that, congratulations, good luck, and may you have successful relationships.

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So, what do you want to be when you grow up?

BY SARAH E. HENRICKSON

MENTORS AND ROLE MODELS are important, as we’ve been told all our lives. For many of us, that’s how we got here (and why we wanted to) in the first place. However, as we make our way through the MD-PhD Program, it may seem hard to locate role models who are able to maintain a clinical practice while successfully pursuing academic research. So, we worked with Dr. David Hafler and our program director, Dr. Chris Walsh, to begin a series of dinners this past June to help address this issue.

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Program Submits 5-Year Competitive Renewal to NIH

The Harvard M.D.-Ph.D. Program submitted its five-year competitive renewal of its training grant to the NIH last January.

The grant was composed of 1,531 pages containing a comprehensive report on the program's progress over the past five years, including supporting data for the $17.1M budget request. Carefully detailed data tables and analysis of the program's administration, finances, faculty, alumni, current students and applicant pools supported the program's request.

The program faculty and staff worked for over two months to complete the project. While the number of MSTP trainee positions in the current grant is 44, the program director, Dr. Chris A. Walsh, felt strongly that the grant justified a budget increase to 50 trainee slots. Review of the grant was held at the NIH on June 20, 2006 and a council decision is anticipated in October. The funding requested for the next five-year period is anticipated to begin on July 1, 2007.

The Days of Molecular Medicine Conference

This past May in Stockholm, Sweden focused on Chronic Inflammation. Marlys Fassett and Sarah Henrickson (below) both fourth years in the program, traveled across the Atlantic to hear great lectures, including those from HMS professors Laurie Glimcher and Diane Mathis, and chat with colleagues over posters from across the world. The conference showcased fantastic science, from basic mechanisms of NFkB and innate immunity to the clinical trials for therapies for rheumatoid arthritis and other autoimmune disorders. A panel on the regulatory challenges in the US and Europe for new drugs generated spirited discussion, as did the banquet at the Vasa Museum, home to a 17th century Swedish ship that made it less than half an hour out of the harbor on its maiden voyage before sinking, only to be resurrected in the 1950s from Stockholm Harbor. A wonderful trip! Next year, the DMM conference will be at MGH and will focus on Emerging Technology and Human Disease.
Annual MD-PhD Program and Joslin Diabetes Poster Symposium

Last August, Dr. Joel Hirschhorn, assistant professor of pediatrics and genetics, associate director of graduate education, collaborated with Dr. Diane J. Mathis, professor of medicine at Joslin Diabetes Center, to co-sponsor the first annual MD-PhD Poster Symposium for the first and second year students to present research done during their summer labs. Other MD-PhD and summer undergraduate students on campus were invited to attend, as were investigators at the Joslin, who described research opportunities in their labs. There was a great turnout and a very enthusiastic response to this initial event. We look forward to the 2nd annual poster session to be held on August 3, 2006.

Annual Retreat

The program’s 23rd annual weekend student/faculty retreat was held last October, 2005 at Waterville Valley, N.H. Over 100 participants attended the retreat in which Gary Nabel, M.D., PhD (left) delivered the 6th Annual Eva Neer Memorial Lecture: “When Bad Viruses Kill Good Cells: From Mechanisms to Prevention.” Dr. Nabel, a 1982 graduate of the M.D.-PhD Program, is director of the Vaccine Research Center in the National Institute of allergy and Infectious Diseases at NIH. He is well known as a molecular virologist and immunologist for his work in the fields of HIV, Ebola virus, and cancer research. Several senior students (Anna Farago, John Hanna, Christina Mills, Cullen Taniguchi, Ram Srivasan, Junne Kamihara, Phillip Erwin, Ashutosh Jadhav) gave oral presentations of their thesis research. A joint poster session highlighted research results from 25 different labs followed by a special guest lecture by Elizabeth G. Nabel, M.D., assistant professor of pediatrics and genetics, associate director of graduate education, collaborated with Dr. Diane J. Mathis, professor of medicine at Joslin Diabetes Center, to co-sponsor the first annual MD-PhD Poster Symposium for the first and second year students to present research done during their summer labs. Other MD-PhD and summer undergraduate students on campus were invited to attend, as were investigators at the Joslin, who described research opportunities in their labs. There was a great turnout and a very enthusiastic response to this initial event. We look forward to the 2nd annual poster session to be held on August 3, 2006.

Awards and Honors

Amma Agymang, Phillip Erwin, and Carlos Ponce each received individual Ruth L. Kirschstein National Research Service Awards sponsored by the National Institutes of Health following submission of individual fellowship applications.

Hannah Chang was awarded the Ashford Fellowship as MD-PhD graduate student in the Biophysics Program.

Marilys Fassett and Sarah Henrickson were awarded travel fellowships to present abstracts at the Days of Molecular Medicine Conference “Inflammation in Chronic Disease” sponsored by Massachusetts General Hospital, Karolinska Institutet and Nature Medicine May 24-27, 2006, Stockholm, Sweden.

Sarah Henrickson received Outstanding Poster Award last fall at the CBR Institute for Biomedical Research Annual Retreat. Sarah also was selected to present a plenary lecture at HMS Medical Education Day last fall; promoted to “Instructor-G” status as teaching assistant.

Todd Herrington now finishing his thesis in the lab of John Assad was named as a recipient of the Stuart H.Q. and Victoria Quan Fellowship, an intra-Harvard fellowship for neuroscience graduate students.

The first recipient of this Harvard Stem Cell Institute’s Medical Scientist Training Fellowship is Ashutosh Jadhav, whose thesis work has been carried out in the lab of Professor Constance Cepko where he has been studying the development of the mammalian retina. The title of his thesis is “Regulation of vertebrate retinal development by the Notch signaling pathway.”

Ryan Lanning was awarded the Department of Defense Breast Cancer Research Program 2005 Predoctoral Traineeship Award. He was also named an Athinoula A. Martinos Research Scholar for biomedical imaging in 2005.

Arindel Maharaj was named an Albert J. Ryan Fellow in November, 2005 and was awarded a European Commission travel award to attend the Euroconference on Angiogenesis in France in May 2006.

Christina Mills received the Keystone Symposia scholarship ($1000 to help defray travel and lodging expenses associated with attendance) for the Advances in Influenza Research: From Birds to Bench to Bedside conference held March 28 - April 2, 2006.

Benjamin Rapoport has been awarded the Hugh Hampton Young Memorial Fellowship, a competitive graduate fellowship at MIT.

Sashank Reddy won a CUE teaching award last fall. The award recognized his work as a TF for Chem285 taught at Harvard.

Benjamin Sommers won the annual Academy Health Dissertation Award. The Dissertation Award honors an outstanding scientific contribution from a doctoral thesis in health services research and the candidate showing exceptional promise as a health services researcher. This year’s dissertation award will be featured in a special session at the Annual Research Meeting on Tuesday, June 25, 2006.
Newest Class for 2006-07

The MD-PhD Program received 477 applications (63% men; 37% women) from undergraduates applying for admission and funding from the MSTP grant. About 17% were invited for competitive interviews for MSTP funding offers. The new MSTP class includes: Mr. Jonathan Abraham (Harvard), Ms. Milena Andzelm (Harvard), Ms. Erin Chen (U-Chicago), Mr. Mark Lee (Yale), Ms. Devarati Mitra (Stanford), Mr. Yin Ren (MIT), Mr. Cameron Sadegh (MIT); and Ms. Yawei Yang (UCLA); and 2 deferrals from 2005 applicant pool: Ms. Sarah Hill (Harvard) and Ms. Karolina Maciag (Harvard); Mr. David Konieczkowski (Princeton) deferred until 2007.

In August, Ms. Amy Saltzman (Princeton), also a deferral from 2005, will join the program in the social sciences track along with Mr. Stephen Huffaker (U-Wisconsin), a recipient of the new NIH-Graduate Partners Program. The program also welcomed Ms. Aurore Halkovich and Mr. Xavier Moisset, visiting French MD-PhD students sponsored by INSERM, who are participating in the summer course.

Above: Students gather at the annual summer barbecue in 2005 on HMS Quad.


Spring Dinner on June 6 honored the MD-PhD Class of 2006 and brought together, pictured from top:
- Drs. Alan Michelson, Yonatan Grad, and Ms. Linda Burnley
- Dr. Vassilous Bezzerides, center, gave remarks on behalf of his graduating class. Shown with him are his parents, Bandel and Elizabeth Bezzerides, and his wife, Ann Mitsakos.
- Graduate Thomas Deuel shown here with his mother Dr. Ruthmary K. Deuel.
- Getting together at the Spring Dinner.
Dev Biol
Ther
Jadhav AP , Henrickson SE
the Immunoglobulin Heavy Chain Locus. Annu Rev Immunol
Jung D
Thompson MA, Stumph J,
Sheen VL, Jansen A, Chen MH, Parrini E, Morgan T, Ravenscroft R,
progenitor cell lineage of the mouse embryo.
Zhang X, Shyr Y, Kinney MC. Differential gene expression in anaplastic lymphoma kinase-positive high endothelial venules. A major class of L-selectin ligands is eliminated in mice deficient in two sulfotransferases expressed in
Uchimura K,
Gauguet JM
Halin C, Scimone ML, Bonasio R,
May;6(5):497-506.


Ohgami RS, Campagna DR, Mcdonald A, Fleming MD. The Steap proteins are metalloredoxins. Blood. 2006 Apr 11.


Class of 2006 Internship/Residency and Postgraduate Appointments

David A. Berry, Principal, Flagship Ventures - Cambridge, MA.

Vassilios J. Bezzerides, Pediatrics, Children's Hospital - Boston, MA.

Emanuela Binello, Surgery Preliminary, Mt. Sinai Hospital - New York, NY; Neurological Surgery, Mt. Sinai School of Medicine - New York, N.Y.

Jay H. Chyung, Consultant - HCNR, Boston Consulting Group - Boston, MA.

Jason I. Comander, Preliminary Medicine, Brigham & Women's Hospital - Boston, MA; Ophthalmology, Massachusetts Eye & Ear Infirmary - Boston, MA.

Thomas A.S. Deuel, Preliminary Medicine, Yale-New Haven Hospital - New Haven, CT; Neurology, Partners Neurology (Massachusetts General/Brigham & Women's Hospitals) - Boston, MA.

Yonatan H. Grad, Internal Medicine, Brigham & Women's Hospital - Boston, MA.

Sanjiv Harpavat, Pediatrics, Baylor College of Medicine - Houston, TX.

Arlo J. Miller, Transitional, Virginia Mason Medical Center - Seattle, WA; Dermatology, Mayo Graduate School of Medicine - Rochester, MN.

David T. Miyamoto, Preliminary Medicine - Brigham & Women's Hospital - Boston, MA; Radiation Oncology, Harvard/Brigham & Women's/Massachusetts General Hospitals - Boston, MA.

Eric A. Osborn, Internal Medicine, Beth Israel Deaconess Medical Center - Boston, MA.

Jacob W. Ulm, Pediatrics, UCLA Medical Center - Los Angeles, CA.

Victoria E. Wang, Preliminary Medicine, Stanford University Programs - Stanford, CA; Radiation Oncology, Harvard/Brigham & Women's/Massachusetts General Hospitals - Boston, MA.

For the Record

visit our website at www.hms.harvard.edu/md_phd