Graduation 2012
For the first time, the three Harvard Medical School Master of Medical Sciences degree programs graduated together in one ceremony on Wednesday, 23 May 2012. Many of the Scholars of the Class of 2012 also attended the Harvard Yard ceremony the following day.

Below is a list of the Class of 2012 Scholars who received the Master of Medical Sciences (MMSc) degree from Harvard Medical School (HMS) in 2012:

Westyn Branch-Elliman
Helena Canhão
Alicia Demirjian
Barbara Goldstein
Alexander Krug
Kate Madden
Finnian McCausland
Hong Mei
Ara Nazarian
Fabio Nunes
Alexander Opotowsky
Joao Paulo
Ajaykumar Rao
Subbulaxmi Trikudanathan
Nancy Wei
Hui Xue

The 2012 Graduation Ceremony/Reception was held at The Four Seasons Hotel in Boston’s Back Bay. The keynote speaker was Dr. Garret FitzGerald, MD, Professor of Medicine and Pharmacology, McNeil Professor in Translational Medicine and Therapeutics, and Associate Dean for Translational Research at the University of Pennsylvania.

Where Are They Now?
As of June 2012 the Scholars Program has graduated one hundred thirty-five (135) students from the program. Many graduates have forged careers in academia, industry and government, while others complete additional fellowships and surgical residencies upon graduation.

<table>
<thead>
<tr>
<th>Scholars in Clinical Science Program</th>
<th>Status of Graduates (n=135), 2002–2012</th>
</tr>
</thead>
<tbody>
<tr>
<td>Academic ___________________________</td>
<td>65%</td>
</tr>
<tr>
<td>Faculty</td>
<td>10%</td>
</tr>
<tr>
<td>Other</td>
<td>10%</td>
</tr>
<tr>
<td>Industry/ Government (FDA/CDC)</td>
<td>12%</td>
</tr>
<tr>
<td>Fellows/Residents</td>
<td>13%</td>
</tr>
</tbody>
</table>

Of faculty, 57% have K23 or equivalent funding

Class of 2014
In the summer of 2012 we welcomed twelve (12) new students to the program. Their names, affiliated institutions, and mentors are listed below:

Kristin Corapi (MGH, Dr. Ishir Bhan)
Emoke Deschmann (CHB, Dr. Martha Sola-Visner)
Daniela Dias Santos (MGH, Dr. Cristina Ferrone)
Kelly Flett (CHB, Dr. Gregory Priebe)
Lauren Henderson (CHB, Dr. Luigi Notarangelo)
Bridget Hron (CHB, Dr. David Ludwig)
Kyoung Joung (CHB, Dr. Cristos Mantzoros)
Dr. Daniela Dias Santos joined the program as the third recipient of the Senior Clinical Research and Career Development Award from the HMS-Portugal Program.

### Master’s Program in Clinical and Translational Investigation (MPCTI)

This year the Scholars in Clinical Science Program is merging with the Clinical Investigator Training Program to become the Master’s Program in Clinical and Translational Investigation. The last graduating SCSP Scholars will be the Class of 2014. The MPCTI is a two-year postdoctoral training program for clinicians and researchers seeking to strengthen their knowledge in the conduct of clinical and translational investigation. This new program provides an opportunity to combine efforts and resources from two longstanding, very successful clinical research training programs. By blending our two platforms, formerly operating in parallel, each with a similar but separate research focus, the new program will offer a broad curriculum and attract students from across the translational research spectrum. An applicant must have a Harvard-based mentor and the protected time to pursue the didactic and research requirements. A new summer curriculum for first-year trainees, which will be held in July and August, will consist of instruction in epidemiology, study design, biostatistics, and bioethics and responsible conduct of research. Additional required courses are translational pharmacology, advanced biostatistics, a project-based course at Harvard Business School, and a weekly longitudinal seminar. Selective courses in genetics, advanced omic technologies (e.g., genomics, proteomics, metabolomics), clinical trials, imaging, and other elective options customized for students’ research interests are offered. A written thesis and oral thesis defense also are required. For more information about this new program please see the MPCTI website at http://catalyst.harvard.edu/services/mpcti.

### Association for Clinical Research Training (ACRT) Merges with Society for Clinical and Translational Science (SCTS)

As reported in the last Communicator, the Association for Clinical Research Training (ACRT) entered into talks with two other national organizations—Association for Patient Oriented Research (APOR) and the Society for Clinical and Translational Science (SCTS)—to discuss a potential merger. This new Association for Clinical and Translational Science (ACTS) will be established as a new 501(c)(3) organization and this year will be fully inaugurated as a professional society for research, education, advocacy, and mentoring in the clinical and translational sciences. As the website states, “This reorganization was the result of meetings and negotiations over the past two years. The new organization...will provide improved services and resources for all members of the translational science research team.” Scholars have been registered as trainee members of ACRT and will continue to be designated as trainee members in ACTS. For updates on the merger as information becomes available, please refer to the association’s website at www.acrscience.org.

Information and registration for the annual Translational Science conference in Washington, DC, can be found at www.translationalsciencemeeting.org.

### Alumni Spotlight

**Dr. Nazem Atassi,** Class of 2010, Assistant Professor of Neurology at MGH, received the first Anne B. Young Fellowship in Therapeutic Development. Named after Anne Young, MD PhD, former Chair of Neurology at MGH, the fellowship provides opportunities for young neurologists to spend time at both MGH and Biogen Idec pursuing projects in drug discovery.

**Dr. Sherry Chou,** Class of 2009, was promoted to Assistant Professor of Neurology at Brigham and Women’s Hospital in 2012.

**Dr. Robert Colin Carter,** Class of 2011, is now Assistant Professor of Pediatrics at Columbia College of Physicians and Surgeons, with joint appointments in Pediatric Emergency Medicine and the Institute for Human Nutrition.

**Dr. Vahid Entezari,** Class of 2011, began his orthopaedic surgery residency program at Cleveland Clinic in July of 2012.

**Dr. Felipe Fregni,** Class of 2006, is now Associate Professor of Physical Medicine and Rehabilitation at Spaulding Rehabilitation Hospital, with a joint appointment in the Department of Neurology at Beth Israel Deaconess Medical Center.
Images of 2012
Graduation Reception and Ceremony

This page, clockwise from top: Graduate Dr. Ajay Rao and his wife, Dr. Jaya Aysola; Graduates Drs. Westyn Branch-Elliman, Barbara Goldstein, Nancy Wei, and Hui Xue; Graduate Dr. Alicia Demirjian and parents; Graduate Dr. Ara Nazarian and wife, Dr. Rosalynn Nazarian.

Next page clockwise from top left: Graduate Dr. Hui Xue with her boyfriend, Dr. Gregory DeBlasi, and her parents; Graduate Dr. Fabio Nunes and family; Graduate Dr. Hong Mei after accepting her diploma from Dr. Paul Conlin, Program Director; Lauren Dewey Platt, Program Manager; Keynote Speaker Dr. Garret FitzGerald.
Keynote Address
June 2012
Our Graduates

June 2012
continues from page 3

Dr. Arin Greene, Class of 2003, was promoted to Associate Professor of Surgery at Children’s Hospital. He is currently serving as principal mentor to a Class of 2013 Scholar.

Dr. Hylton Joffe, Class of 2007, is now the Director of FDA’s Division of Reproductive and Urologic Products at the Center for Drug Evaluation and Research and is an Assistant Professor of Medicine at Johns Hopkins School of Medicine.

Dr. Andrew Lim, Class of 2011, is now Assistant Professor in the Division of Neurology at the University of Toronto. He is the PI of a multi-year award from the Canadian Institutes of Health Research for his project, “Identifying Genetic Determinants of Human Circadian Phase.”

Dr. Janet Lo, Class of 2007, Assistant Professor of Medicine at MGH, received the Harvard Medical School Claflin Distinguished Scholar Award in 2012.

Dr. Keith Loud, Class of 2004, is Associate Professor of Pediatrics at the Geisel School of Medicine at Dartmouth and Chief of the Section of General Academic Pediatrics at Dartmouth-Hitchcock Medical Center.

Dr. Thorvardur Löve, Class of 2010, is now Assistant Professor of Rheumatology at the University of Iceland. He recently was awarded two multi-year grants for his research on psoriatic arthritis.

Dr. Serena Masciari, Class of 2010, is now Associate Medical Director in Global Safety in the Oncology Division at Genzyme/Sanofi in Cambridge.

Dr. Evan Matros, Class of 2004, a reconstructive microsurgeon at Memorial-Sloan Kettering Cancer Center, received a New Investigator Award from the International Society of Quality of Life Research in 2011 and a research development award from the American Society of Maxillofacial Surgeons in 2012.

Dr. Constantine Mitsiades, Class of 2005, was promoted to Assistant Professor of Medicine at Dana-Farber Cancer Institute in 2012. He is co-PI of an R01, “Molecular Sequelae of Myeloma-Bone Marrow Interactions: Therapeutic Applications.”

Dr. Anand Vaidya, Class of 2011 valedictorian and Instructor in Medicine at BWH, received a K23 award in 2012 for his research, “Vitamin D and Hormonal Mechanisms of Cardiovascular Disease in Obesity.”

Dr. Michael Wechsler, Class of 2003, is now Professor of Medicine and Director of Asthma in the Department of Medicine at National Jewish Health in Denver.

Dr. Jonathan Williams, Class of 2004, Assistant Professor of Medicine at BWH, received the 2012 DOM Early Career Mentoring Award from BWH’s Department of Medicine.

This page, right: At the 2012 Harvard Business School (HBS) Project Fair, Scholar Kendra Taylor, far right
Course and Curriculum News

The 2012 Harvard Business School (HBS) Project Fair, *New Business from New Science – Projects from Commercializing Science*, was held on Wednesday, 12 December 2012, on the first floor of Batten Hall, home of the Harvard Innovation Lab (i-lab). The course is directed by Professor Vicki Sato. The titles and project descriptions of the team projects and the Scholars who participated on the teams are listed below:

**Korston (Korea-Boston) Biopharmaceuticals / Kendra Taylor**
Novel nanoparticle-based theranostic compound for ischemia/reperfusion-associated diseases

**A Novel Anti-Cancer ADC Platform-Killing Tumor Cells / Inês Luis**
An antibody target conjugate platform composed of the receptor-binding domain of the anthrax toxin fused with a particular receptor that is present only on the cancer cell

**Electrical Impedance Spectroscopy / Shervin Kamalian, Qaiser Shafiq, Le Qiu**
An advance on “passive” electroencephalogram (EEG) recording, which relies on non-invasive measurement and modeling of the conduction of minute electrical currents through the head, across a spectrum of frequencies

**Advances in Hearing and Balance Therapies / Oluwaseun Johnson-Akeju**
Techniques developed to convert stem cells to inner ear sensory cells in vitro, to control molecules that influence their signaling, gene expression, and differentiation

**Next Generation Diagnostic Devices / Ciaran McMullan**
Providing low-cost disease diagnostics for the developing world

**OsteoVent / Natalie Davis, Sagori Mukhopadhyay**
OsteoInvent Inc. focuses on innovative bone regeneration products for the orthopaedic and dental markets

**Aesthetic Medicine: Adipose Tissue Engineering Using Injectable Hydrogels / Reid Maclellan, Joe Merola**
Engineered tissue fillers to improve contour defects due to loss of soft tissue

**Novel Agents for Prevention and Ablation of Biofilms / Sahir Kalim, Sagar Nigwekar**
Technology offering potential approaches to developing infectious disease therapies to prevent Biofilm formation and/or to disassemble existing Biofilms

**Energy Points / Sadeq Quraishi**
Developing the first accurate, data-driven yet simple total energy analytics system

Program Office News

**Paul R. Conlin, MD, SCSP Program Director, Professor of Medicine at HMS and Chief of the Medical Service at the Veterans Administration (VA) Boston Healthcare System,** is serving as co-director of MPCTI with Dr. Tony Hollenberg. He is also acting as co-chair of the new MPCTI Review Committee.

**Lauren Dewey Platt, PhD, Program Manager and Lecturer on Medicine,** recently completed her term as an at-large member of the JCSW steering committee. She is co-managing the development of the new merged program with Linda Bard of CITP.

**Brian Crete, BFA,** joined us in January 2013 as the new Staff Assistant for SCSP and coordinator of the admissions and review process for MPCTI.

Save the Date!
The 2013 Graduation Ceremony and Reception will be held on Wednesday, 29 May 2013, 4:30pm, at the Isabella Stewart Gardner Museum, where the three Master of Medical Sciences degree programs at HMS will distribute diplomas to their graduates. Dr. David Golan, Dean of Graduate Education, will preside, and the keynote speaker will be Dr. Gordon Williams, HMS Professor of Medicine and former SCSP Program Director.
This page, top to bottom: Scholar Sagar Nigwekar, third from left, and Scholar Sahir Kalim, third from right, with their team at the HBS Project Fair; Scholar Reid Maclellan, far left, and Scholar Joseph Merola, second from left, with their team at the HBS Project Fair; Scholar Shervin Kamalian, middle, Scholar Qaiser Shafiq, second from right, and Scholar Le “Tony” Qiu, far right, with their team at the HBS Project Fair.