Congratulations to the M.D.-Ph.D. Class of 2008. The M.D.-Ph.D. Program will hold its annual celebratory spring dinner in honor of the class on Tuesday, June 3, 2008.

Aaron Dominic Aguirre  
*Advances in Optical Coherence Tomography and Microscopy for Endoscopic Applications and Functional Neuroimaging*  
HST Society/ MIT Medical Engineering Medical Physics  
Mentor: James G. Fujimoto, Ph.D.  
PGY1: Internal Medicine – Brigham & Women’s Hospital, Boston, MA

Siraj Mahamed Ali  
*A Tale of Two mTor Complexes*  
HST Society/ Harvard Biophysics  
Mentor: David M. Sabatini, M.D., Ph.D.  
PGY1: Pathology – Beth Israel Deaconess Medical Center, Boston, MA

Zarine Rohinton Balsara  
*The interaction of Chlamydia trachomatis with mammalian host cells*  
HST Society/ Harvard Immunology  
Mentor: Michael N. Starnbach, Ph.D.  
PGY1: Urology – Duke University Medical Center, Durham, NC

Savita Visalakshi Dandapani  
*Role of alpha-actinin-4 in the kidney*  
Castle Society/ Harvard BBS-Genetics  
Mentor: Martin R. Pollak, M.D.  
PGY1: Radiation Oncology – University of Southern California, Los Angeles, CA

John P. Dekker  
*Molecular Analysis of Gating in Voltage-Dependent Ion Channels*  
Cannon Society/ Harvard Neuroscience  
Mentor: Gary I. Yellen, Ph.D.  
PGY1: Pathology – Massachusetts General Hospital, Boston, MA

Amar Dhand  
*Peer Learning Among a Group of Heroin Addicts in India: An Ethnographic Study*  
Holmes Society/ Oxford University Educational Studies  
Mentor: Geoffrey Walford, Ph.D.  
PGY1: Neurology – UCSF, San Francisco, CA

Anna F. Farago  
*Uncovering Molecular and Spatial Predictors of Brainstem Neuron Identity*  
Castle Society/ Harvard BBS-Genetics  
Mentor: Susan M. Dymecki, M.D., Ph.D.  
PGY1: Internal Medicine – Brigham & Women’s Hospital, Boston, MA

Paul George  
*Novel Polypyrrole Derivatives to Enhance Conductive Polymer-Tissue Interaction*  
HST Society/ MIT Medical Engineering Medical Physics  
Mentor: Robert S. Langer, Ph.D.  
PGY1: Neurology – Stanford University Progs, Stanford, CA
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John Richard Greenland  
_Vaccine antigen expression and immune responses_  
HST Society/ Harvard Virology  
Mentor: Norman L. Letvin, M.D.  
PGY1: Internal Medicine – Brigham & Women’s Hospital, Boston, MA

Nicholas E. Houstis  
_Reactive oxygen species play a causal role in multiple forms of insulin resistance_  
HST Society/ MIT Biology  
Mentor: Eric S. Lander, D. Phil.  
PGY1: Internal Medicine – Brigham & Women’s Hospital, Boston, MA

Junne Kamihara  
_Studies at the Hemochromatosis (HFE) Locus: Gene conversions, Haplotypes, and an Association Analysis_  
HST Society/ MIT Biology  
Mentor: David E. Housman, Ph.D.  
PGY1: Pediatrics – Children’s Hospital, Boston, MA

Joseph Abiodun Ladapo  
_Cost-effectiveness of 64-slice Computed Tomography in Cardiac Care and an Analysis of the Adoption and Diffusion of a New Technology_  
Peabody Society/ Harvard Health Policy  
Mentor: G. Scott Gazelle, M.D., Ph.D.  
PGY1: Internal Medicine – Beth Israel Deaconess Med Ctr, Boston, MA

Christina E. Mills  
_Transmission and Control of Pandemic Influenza_  
HST Society/ Harvard Epidemiology: Concentration in Infectious Disease Epidemiology  
Mentor: Marc Lipsitch, D. Phil.  
PGY1: Pediatrics – Children’s Hospital, Boston, MA

Robert Shigeo Ohgami  
_Identification and characterization of the Steap family of metalloreductases_  
HST Society/ Harvard BBS-Cell & Developmental Biology  
Mentor: Mark D. Fleming, M.D., D. Phil.  
PGY1: Pathology – Stanford University Progs, Stanford, CA

Carlos Paz  
_Circadian Clock Function in the Mammalian Retina_  
Cannon Society/ Harvard BBS/Cell & Developmental Biology  
Mentor: Charles J. Weitz, M.D., Ph.D.  
PGY1: General Surgery – UCSF, San Francisco, CA

Patrick Kwame Safo  
_The Role of Endocannabinoids in Synaptic Plasticity at the Granule Cell to Purkinje Cell Synapse_  
Cannon Society/ Harvard Neuroscience  
Mentor: Wade G. Regehr, Ph.D.  
PGY1: Dermatology – U Pittsburgh Med Ctr Medical Education Program, Pittsburgh, PA
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**Kevin A. Shapiro**

*On the instantiation of grammatical categories in the brain*

Cannon Society/ Harvard Psychology (Cognition, Brain, and Behavior Program)  
Mentor: Alfonso Caramazza, Ph.D.  
PGY1: Pediatrics – Children’s Hospital, Boston, MA

**Anna Lea Stevens**

*Mechanical injury and inflammatory cytokines affect cartilage integrity and tissue homeostasis: a mass spectrometric analysis of proteins with relevance to arthritis*

HST Society/ MIT Biological Engineering  
Mentors: Alan J. Grodzinsky, Sc.D. and Steven R. Tannenbaum, Ph.D.  
PGY1: Orthopaedic Surgery – U Pittsburgh Med Ctr Medical Education Prog, Pittsburgh, PA

**Bryan Kee-Hong Sun**

*Mechanisms of Tsix-mediated repression of Xist*

Holmes Society/ Harvard BBS-Genetics  
Mentor: Jeannie T. Lee, M.D., Ph.D.  
PGY1: Dermatology – Stanford University Progs, Stanford, CA

**Cullen Mitsuo Taniguchi**

*The Dissection of Insulin Signaling Isoforms In Vivo: Molecular Mechanisms of Hepatic Insulin Action*

Castle Society/ Harvard BBS-Cell & Developmental Biology  
Mentor: C. Ronald Kahn, M.D., D.Sc.  
PGY1: Radiation Oncology – Stanford University Progs, Stanford, CA

**Leo Lee Tsai**

*Development of a Low-Field 3He MRI System to Study Posture-Dependence of Pulmonary Function*

HST Society/ Harvard Biophysics  
Mentor: Ronald L. Walsworth, Jr., Ph.D.  
PGY1: Radiology – Beth Israel Deaconess Med Ctr, Boston, MA

**Ellen Yeh**

*Enzymatic halogenation during natural product biosynthesis*

HST Society/ Harvard Biophysics  
Mentor: Christopher T. Walsh, Ph.D.  
PGY1: Pathology – Stanford University Progs, Stanford, CA

**Glenn Chung-Wing Yiu**

*Signaling Mechanisms Limiting Axon Regeneration in the Adult Central Nervous System*

HST Society/ Harvard Neuroscience  
Mentor: Zhigang He, Ph.D., B.M.  
PGY1: Ophthalmology – Massachusetts Eye & Ear Infirmary, Boston, MA

**Martin Zalesak**

*Transitive Inference in Healthy Humans and Implications for Schizophrenia*

HST Society/ MIT Medical Engineering Medical Physics  
Mentor: Stephan Heckers, M.D., M.Sc.  
PGY1: Life Science Specialist – L E K Consulting, Boston, MA