

## Systems Biology Seminars Fall '09-Spring '18

Date	Speaker	Talk Title & BU Host
2/15/18	Kai W. Wucherpfennig, MD PhD <i>Chair, Department of Cancer Immunology and Virology, Dana-Farber Cancer Institute Professor of Microbiology, Neurology, and Immunobiology, Harvard Medical School</i>	TBA
3/15/18	Xiling Shen, PhD Associate Professor Department of Biomedical Engineering Duke University	<i>Spatiotemporal Regulation of Cancer, Stem and Neuronal Cells in the Gut</i>
3/22/18	Sean Eddy, PhD HHMI Investigator Ellmore C. Patterson Professor Department of Molecular and Cellular Biology and of Applied Mathematics Harvard University	<i>Sequence homology searches: the future of deciphering the past</i>
3/29/18	Mark Crovella, PhD Professor and Chair, Department of Computer Science Boston University	<i>Joint Network Embedding to Aid Cross-Species Functional Inference</i>
4/5/18	Stefani Spranger, <a href="#">PhD</a> Assistant Professor Department of Biology MIT	<i>Batf-3 DC impact T cell priming but also T cell recruitment into the tumor microenvironment</i>
4/12/18	Haiyuan Yu, PhD Associate Professor Department of Biological Statistics and Computational Biology Weill Institute for Cell and Molecular Biology Cornell University	<i>Precision medicine through proteome-scale 3D interactome models and network perturbation studies</i>
4/19/18	Oleg Igoshin, PhD Associate Professor Dept. of Bioengineering Center for Theoretical and Biological Physics Rice University	<i>Mechanisms of emergent self-organization behaviors in Myxococcus xanthus biofilms</i>

4/26/18	Zhiwei Cao, PhD Life Science and Technology School Tongji University, Shanghai	<i>Formulating synergistic drug combinations to treat cancer</i>
5/3/18	Vijaya B. Kolachalama, PhD Assistant Professor Section of Computational Biomedicine Boston University School of Medicine	<i>Computational pathology</i>

<b>Date</b>	<b>Speaker</b>	<b>Talk Title &amp; BU Host</b>
9/7/17	Charles DeLisi Metcalf Professor of Science and Engineering Dean Emeritus, College of Engineering Boston University	<i>A Conversation About Climate Change</i>
9/28/17	Mary Dunlop, PhD Assistant Professor Department of Biomedical Engineering Boston University	<i>Dynamics, Feedback, and Transient Antibiotic Resistance in Single Cells</i>
10/12/17	Elena Rivas, PhD Senior Research Fellow Department of Molecular & Cellular Biology Harvard University	<i>A Statistical Test of RNA Base Pair Covariations Shows Lack of Evidence for Structure in Long Noncoding RNAs</i>
10/19/17	David Baum, PhD Professor Department of Botany University of Wisconsin	<i>A Chemical Ecosystem Selection Paradigm for Studying the Origin of Life</i>
10/26/17	Ryan Gutenkunst, PhD Associate Professor Department of Molecular and Cellular Biology University of Arizona	<i>Inferring Natural Selection on Proteins Using Network- and Population-scale Models</i>
11/2/17	Laura Landweber, PhD Professor Departments of Biochemistry and Molecular Biophysics, Department of Biological Sciences, and the Department of Systems Biology, Columbia University	<i>RNA-mediated Genome Rearrangement in the Ciliate Oxytricha</i>

11/9/17	Ji-Xin Cheng, PhD Moustakas Chair Professor in Photonics and Optoelectronics Professor of ECE, BME, Chemistry, Physics Boston University	<i>Unveiling Hidden Signatures in Living Cells through Molecular Spectroscopic Imaging</i>
11/16/17	Aseem Z. Ansari, PhD <i>Professor of Chemical Genomics and Synthetic Biology</i> Department of Biochemistry and the Genome Center University of Wisconsin-Madison	<i>From Sequence Specificity Landscapes to Designer Synthetic Transcription Factors</i>
11/30/17	Allyson E. Sgro, PhD Assistant Professor, Department of Biomedical Engineering, Boston University	<i>Who Said To Do That? Visualizing Single-Cell Dynamics Driving Multicellular Collective Behavior</i>
12/7/17	Chris Myers, PhD Adjunct Professor Department of Physics and Laboratory of Atomic and Solid State Physics Cornell University	<i>The curiosity of dimensionality in systems biology: the case of C4 photosynthesis</i>

2/2/17	Jie Liang Molecular and Systems Computational Bioengineering Lab - MoSCoBL Bioengineering Department University of Illinois at Chicago	<i>High-throughput measurements of genetic information, epigenetic</i>
2/17/17	Eric Winfree Professor of Computer Science, Computation and Neural Systems, and Bioengineering Caltech	<i>Enzyme-free nucleic acid dynamical systems</i>
2/23/17	Marcus Roper Associate Professor Mathematics Department UCLA	<i>The physical and genetic dynamism of fungal cells</i>
3/16/17	Orly Alter USTAR Associate Professor Bioengineering and Human Genetics at the Scientific Computing and Imaging Institute, and the Huntsman Cancer Institute University of Utah	<i>Cancer Diagnostics and Prognostics from Comparative Spectral Decompositions of Patient-Matched Genomic Profiles</i>
3/23/17	Markus Basan Assistant Professor Systems Biology Program Harvard	<i>Tradeoffs between fast growth and adaptability shape microbial phenotypes</i>
3/30/17	Vernita Gordon Assistant Professor of Physics Center for Nonlinear Dynamics Institute for Cellular and Molecular Biology UT Austin	<i>Bacterial Mechanobiology: a new field with implications for new directions in medicine</i>
4/6/17	Peter Kharchenko Assistant Professor Department of Biomedical Informatics Harvard Medical School	<i>Contrasting transcriptional and genetic heterogeneity within tumors</i>  BU Host: Simon Kasif

4/13/17	Yana Bromberg Associate Professor Department of Biochemistry and Microbiology School of Environmental and Biological Sciences Rutgers University	<i>Tell me what you do and I'll tell you who you are: functional basis of microorganism and microbiome annotation</i>  BU Host: Simon Kasif
4/20/17	Gary Borisy Senior Research Investigator, Department of Microbiology The Forsyth Institute	Mapping Microbiomes at the Micron Scale
4/27/17	Rachel Kolodny Department of Computer Science University of Haifa, Israel	<i>Studying reuse patterns in the protein universe</i>
5/4/17	Gyan Bhanot Professor Molecular Biology & Physics Rutgers University	<i>Predicting Response to Immune Checkpoint Therapy</i>

9/22/16	Josh Campbell BU Bioinformatics Alumnus, Assistant Professor Division of Computational Biomedicine, Department of Medicine Boston University	<i>Characterization of mutational signatures and single-cell heterogeneity in smoking-related lung disease</i>
9/29/16	David Miguez Biophysics and Systems Biology Lab University Autonoma de Madrid	<i>Prediction of the mode and rate of division in a population of stem cells using a branching process</i>
10/13/16	Nikolai Slavov Assistant Professor Department of Bioengineering Northeastern University	<i>Trade-offs and principles in the coordination of metabolism and protein synthesis with cell growth and differentiation</i>
10/20/16	Timothy Elston Professor of Pharmacology University of North Carolina	<i>Mathematical models for cell polarization and gradient sensing</i>
10/27/16	Christina Leslie Interim Chair, Computational Biology Program Sloan Kettering Institute	<i>Decoding epigenetic programs in cellular differentiation</i>
11/3/16	Raghuveer Parthasarathy Associate Professor Department of Physics University of Oregon	<i>Glimpses of Gut Microbes in their Physical World</i>
11/10/16	Ibrahim I. Cissé Assistant Professor Department of Physics MIT	<i>RNA Polymerase II cluster dynamics predict mRNA output in living cells</i>

11/17/16	Ido Golding Associate Professor, Department of Biochemistry and Molecular Biology, Baylor College of Medicine	<i>Deciphering the Stochastic Kinetics of Gene Regulation</i>
12/1/16	Nikta Fakhri Assistant Professor Physics Department MIT	<i>Active Matters: probing forces, fluctuations and self-organization in biological systems</i>
12/8/16	Brian Hammer Associate Professor School of Biology Georgia Institute of Technology	<i>Love in the Time of Cholera: Cooperation and conflict in Vibrio cholerae communities</i>

5/5/16	Charles K. Fisher, Ph.D. Computational Sciences CoE, Pfizer Inc.	<i>Learning from variability in the human microbiota</i>
4/28/16	Anshul Kundaje Assistant Professor of Genetics and of Computer Science Stanford School of Medicine	<i>Integrative, interpretable deep learning frameworks for regulatory genomics and epigenomics</i>
4/21/16	Alex Shalek, Ph.D. Assistant Professor Chemistry Department MIT	<i>Immunology from the "Bottom-Up" with Single-Cell Genomics</i>
3/31/16	Enoch Huang BU Bioinformatics Program Alumni Head of Computational Sciences Pfizer R&D	<i>Generating testable hypotheses from large-scale 'omics data</i>
3/24/16	Stirling Churchman Assistant Professor of Genetics Harvard Medical School	<i>Gene expression at high resolution</i>
3/17/16	Farren J. Isaacs BU Bioinformatics Alumni Assistant Professor Department of Molecular, Cellular & Developmental Biology Systems Biology Institute	<i>Programming Genomes to Expand Life's Functional Repertoire</i>

2/25/16	Jagesh Sha Associate Professor of Systems Biology Harvard University	<i>Chemical and Physical Sensing in Migrating Cells</i>
11/19/15	Alvaro Sanchez Junior Fellow, Harvard University The Rowland Institute at Harvard	<i>Understanding the ecology and evolutionary biology of extracellular enzymes in microbial communities</i>
11/12/15	Karsten Zengler Associate Researcher Department of Bioengineering University of California, San Diego	<i>Multidimensional Interspecies Interactions Define Dynamics in Microbial Communities</i>
11/5/15	Alon Goren Lead Member Broad Technology Labs The Broad Institute of Harvard and MIT	<i>Chromatin regulatory circuits in mammalian early development</i>
10/22/15	Valentina Perissi Assistant Professor Biochemistry Department Boston University School of Medicine	<i>A coordinated strategy to regulate lipid metabolism and inflammation via modulation of ubiquitin signaling</i>
10/15/15	Jennifer Talbot Assistant Professor Department of Biology Boston University	<i>Fungal biodiversity, cooperation, and combat: mechanisms and effects on soil biogeochemistry</i>
10/8/15	Harmen Bussemaker Assistant Professor Department of Biological Sciences Columbia University	<i>New insights into the molecular mechanisms underlying steroid hormone response, methylome readout, and longevity/aging</i>
10/1/15	Dan Starczynowski Associate Professor Cincinnati Children's Hospital Medical Center OH Affiliate Associate Professor University of Cincinnati	<i>Innate Immune Signaling Networks Drive Hematologic Malignancies</i>
9/21/15	Barry Honig Director, Center for Computational Biology and Bioinformatics Department of Biochemistry and Molecular Biophysics Columbia University	

9/10/15	Gabor Balazsi Henry Laufer Endowed Associate Professor Department of Biomedical Engineering, Stony Brook University	<i>Gene network evolution: Making it predictable</i>
5/7/15	Abhyudai Singh Assistant Professor Electrical and Computer Engineering/Biomedical Engineering/Mathematical Sciences Center for Bioinformatics and Computational Biology University of Delaware	
4/30/15	Michael Reiser Howard Hughes Medical Institute Group Leader Janelia Research Campus	
4/23/15	Eaton Lattman Professor, Structural Biology, UB SUNY Principal Scientist, Hauptman-Woodward Institute; Director BioXFEL Center	<i>X-ray Lasers: How femtosecond pulses can illuminate biology</i>
4/16/15	Darrell N. Kotton Professor of Medicine and Pathology Director, Center for Regenerative Medicine (CRoM) Boston University and Boston Medical Center	<i>Pluripotent stem cells for systems biologists</i>
4/9/15	Remo Rohs Assistant Professor of Biological Sciences, Chemistry, Physics, and Computer Science University of Southern California	<i>Quantitative Modeling of Transcription Factor Binding Specificities using DNA Shape</i>



4/2/15	Mohammed AlQuraishi Systems Biology Fellow Harvard Medical School	<i>A multiscale statistical mechanical framework integrates biophysical and genomic data to assemble cancer networks</i>
3/26/15	Itai Yanai Bioinformatics Program Alumni Associate Professor, Faculty of Biology Technion - Israel Institute of Technology	<i>Dissecting the embryo using single-cell RNA-Seq</i>
3/19/15	Raluca Gordon Assistant Professor, Biostatistics & Bioinformatics Duke University	<i>The role of sequence specificity and protein cofactors in genomic recruitment of E2F</i>
2/26/15	Igor Libourel Assistant Professor, University of Minnesota Department of Plant Biology	<i>Leveraging Amino Acid Sequence Encoding for Massive Parallel Flux Phenotyping</i>
1/29/15	Norbert Perrimon Professor of Genetics at Harvard Medical School Investigator, Howard Hughes Medical Institute	<i>Signaling in Time and Space</i>
11/20/14	Ben J. Raphael Associate Professor Department of Computer Science Brown University	<i>Computational Studies of Mutational Heterogeneity within and across Tumors</i>
11/13/14	Michael Springer Assistant Professor of Systems Biology Harvard Medical School	<i>Yeast Respond to the Ratio of Glucose and Galactose Not to the Absolute Concentrations of Each Nutrient</i>

11/6/14	Martin Meier-Schellersheim Chief, Computational Biology Unit Laboratory of Systems Biology National Institute of Allergy and Infectious Diseases NIH	<i>Computational Modeling of Cellular Signaling Pathways</i>
10/30/14	Chao Cheng Assistant Professor in Department of Genetics Dartmouth College	<i>From Genomics to Biomedical Studies: Analysis and Application of ChIP-seq data</i>
10/23/14	Eytan Ruppin Professor, Director of the Center Computer Science & Computational Biology University of Maryland	<i>Computational identification of selective cancer drug targets: a tale of two tales</i>
10/9/14	Barak Cohen Alvin Goldfarb Distinguished Professor of Computational Biology Washington University in St. Louis	<i>Why don't transcription factors get lost?</i>
9/25/14	Benjamin Haibe-Kains Assistant Professor University of Toronto Department of Medical Biophysics	<i>Meta-analysis of large pharmacogenomics datasets</i>
9/18/14	Ilya Nemenman Emory University Departments of Physics and Biology	<i>Collective effects in cellular signal transduction</i>

5/8/14	Edward Trifonov Genome Diversity Center, Institute of Evolution, University of Haifa, Israel	<i>Nucleosomes rediscovered. The strongest ones reside in centromeres.</i>
5/1/14	Daniel Segre Associate Professor Bioinformatics Program, Department of Biology, Department of Biomedical Engineering and the Center for Synthetic Biology Boston University	<i>Ecosystems Biology of Microbial Metabolism</i>
4/24/14	Michael A. Fischbach Assistant Professor Department of Bioengineering and Therapeutic Sciences University of California San Francisco	<i>Insights from a global view of secondary metabolism: Small molecules from the human microbiota</i>
4/17/14	Ned Wingreen Howard A. Prior Professor of the Life Sciences Department of Molecular Biology Princeton University	<i>Why are chemotaxis receptors clustered but other receptors aren't?</i>
3/27/14	Sidharha Goyal Professor of Physics and Bioscience University of Toronto	<i>Clonal structure of blood in primates is consistent with "neutral" dynamics</i>

3/20/14	Erel Levine Assistant Professor of Physics Harvard University	<i>Clash of populations: Host-Microbe Interactions in C. elegans</i>
3/13/14	Kinga Hosszu & Cesar Berrios-Otero A Joint Presentation, Faculty of 1000	<i>Sharing data and measuring research impact</i>
2/27/14	Robert Hazen Research Scientist at the Carnegie Institution of Washington's Geophysical Laboratory Clarence Robinson Professor of Earth Science at George Mason University	<i>The Co-Evolution of the Geosphere and Biosphere</i>
2/20/14	Philippe Cluzel Gordon McKay Professor of Applied Physics Professor of Molecular and Cellular Biology Harvard University	<i>Uncovering scaling laws to infer multi-drug response of resistant microbes and cancer cells</i>
2/6/14	Jané Kondev Professor of Physics Brandeis University	<i>Action at a distance in the yeast nucleus</i>
1/23/14	Zev Gartner Assistant Professor Department of Pharmaceutical Chemistry University of California San Francisco	<i>Building tissues to understand how tissues build themselves</i>

12/12/13	A.J. Marian Walhout Co-Director, Program in Systems Biology Professor, Program in Molecular Medicine University of Massachusetts Medical School	<i>Nutritional Regulatory Networks</i>
12/5/13	Myles Brown, Professor, Department of Medicine Harvard Medical School Physician, Oncology, Brigham And Women's Hospital Professor of Medicine, Medical Oncology Dana-Farber Cancer Institute	<i>Genetics and Epigenetics of Hormone Dependence</i>
11/21/13	Aik Choon Tan Associate Professor of Bioinformatics Program for the Evaluation of Targeted Therapy Division of Medical Oncology Dept. of Medicine, School of Medicine University of Colorado	<i>Translational Bioinformatics: Connecting Genes with Therapies</i>
11/14/13	Stephen Michnick Integrated Genomics, University of Montreal	<i>The hidden impulse of the incredible shrinking cell</i>
11/7/13	Suzanne Gaudet Department of Cancer Biology Dana Farber Cancer Institute Department of Genetics, Harvard School of Medicine	<i>Leveraging cell-to-cell variability to understand TNF-induced transcription circuits</i>

10/17/13	Dan Jarosz, Assistant Professor Chemical and Systems Biology Stanford School of Medicine	<i>Environmentally regulated capacitors of evolutionary change</i>
10/10/13	Marcus Noyes, Associate Research Scholar Lewis-Sigler Institute for Integrative Genomics Princeton	<i>Comprehensive Screens and Computational Analysis of Cys2His2 Zinc Fingers Uncovers Complexities of DNA-Binding Specificity</i>
9/12/13	Gregoire Altan-Bonnet, Computational Biologist Computational Biology Center Memorial Sloan Kettering Cancer Center	<i>Computational modeling of error-correction through cell-to-cell communications in the immune system" Pankaj Mehta</i>
2/21/13	Edward O'Brien, PhD NSF Postdoctoral Research Fellow Department of Chemistry, University of Cambridge	<i>Computational Biology Faculty Search Seminar Understanding cotranslational protein folding at the molecular and cellular levels</i>
2/14/13	Michael DeGiorgio, PhD NSF Postdoctoral Research Fellow Department of Integrative Biology, UC Berkeley	<i>Computational Biology Faculty Search Seminar Using models of evolutionary history to understand human genetic variation</i>
2/05/13	Sharon Aviran, PhD Assistant Researcher Center for Computational Biology, UC Berkeley	<i>Computational Biology Faculty Search Seminar High-throughput RNA structure analysis from footprinting experiments</i>
1/31/13	Kirill Korolev, PhD Pappalardo Postdoctoral Fellow, Physics Department, MIT	<i>Computational Biology Faculty Search Seminar Ecology and evolution of cancerous tumors and expanding populations</i>
1/24/13	Anshul Kundaje, PhD Research Scientist, Computational Biology Group, MIT	<i>Computational Biology Faculty Search Seminar Heterogeneity and diversity of regulatory elements in the human genome</i>
12/13/12	Mark Bathe Assistant Professor Biological Engineering MIT	<i>Data-driven Physical Biology</i>
12/06/12	Josh Shavevitz, Assistant Professor Physics and Genomics Princeton University	<i>The biophysics of behavior from cellular patterns to animal movements</i>

11/29/12	Arjun Raj, Assistant Professor Bioengineering University of Pennsylvania	<i>Taking a picture of transcriptional activity along a single chromosome</i>
11/15/12	Brian Athey, Chair Department of Computational Medicine and Bioinformatics University of Michigan Medical School	<i>tranSMART: An Emerging Global Open Source Community for Data Sharing and Informatics Analysis</i>
11/08/12	Alexandre V. Morozov Assistant Professor Department of Physics & Astronomy Rutgers University	<i>Biophysical models of chromatin in yeast and C. elegans</i>
11/01/12	Honghuang Lin Research Assistant Professor Boston University School of Medicine	<i>A genetics approach to studying atrial fibrillation</i>
10/25/12	Jason Bohland Assistant Professor Health Sciences Department Boston University	<i>Data-driven studies of the large-scale molecular architecture of the mouse and human brain</i>
10/18/12	Riccardo Papa Department of Biology University of Puerto Rico	<i>The mesmerizing patterns of Heliconius butterflies wings</i>
10/04/12	Trevor Siggers Assistant Professor of Biology Boston University	<i>Importance of Protein Complexes in Gene Regulatory Logic</i>
8/16/12	Yitzhak Pilpel Department of Molecular Genetics Weizmann Institute of Science Israel	<i>Evolution of Gene Expression in Cancer and in Yeast</i>
5/10/12	Nathaniel Cady, Assistant Professor College of Nanoscale Science & Engineering University at Albany	<i>Mixed Signals: A systems approach to interrupting cellular signaling and behavior</i>
5/3/12	Horacio Frydman, Assistant Professor Department of Biology & Associate Director, Vector Transmitted Infectious Diseases Core National Emerging Infectious Diseases Laboratories Institute, Boston University	<i>From cellular mechanisms to evolutionary aspects of host-microbe interactions: the case of Wolbachia targeting stem cell niches</i>

4/26/12	Katie Steiling, Assistant Professor of Medicine Boston University School of Medicine	<i>Airway gene expression reflects a treatment-responsive COPD field of injury</i>
4/19/12	Jennifer Reed, Assistant Professor Department of Chemical and Biological Engineering University of Wisconsin-Madison	<i>Systems Approaches for Exploring and Exploiting Cellular Metabolism</i>
3/22/12	Mark DePristo, Co-Director Genome Sequencing and Analysis Group Medical and Population Genetics Program Broad Institute	<i>Under the hood of the 1000 Genomes Project</i>
3/15/12	Manolis Kellis, Associate Professor Computer Science and Electrical Engineering Dept. MIT	<i>Genomic and epigenomic signatures for interpreting complex disease</i>
3/8/12	Zoltan Oltvai, Associate Professor of Pathology Assistant Director, Division of Molecular Diagnostics, University of Pittsburgh School of Medicine	<i>The systems biology of cancer metabolism</i>
3/1/12	Gustavo Stolovitzky, PhD IBM Computational Biology Center	<i>Quantitative Predictive Modeling in Biological Research</i>
2/23/12	Paul Francois, Assistant Professor of Physics McGill University	<i>Physics of Evo-Devo</i>
12/15/11	Eric Siggia, Professor Laboratory of Theoretical Condensed Matter Physics The Rockefeller University	<i>Geometry, Epistasis and Developmental Patterning</i>
12/8/11	Justin Kenney, Quantitative Biology Fellow Cold Spring Harbor Laboratory	<i>Using deep sequencing to characterize the biophysical mechanism of a transcriptional regulatory sequence</i>
12/1/11	John Higgins, Assistant Professor of Systems Biology Harvard University & MGH	<i>Population Dynamics of Circulating Human Red Blood Cells in Health and Disease</i>
11/17/11	Narenda Maheshri, Assistant Professor of Chemical Engineering MIT	<i>A tale of two switches ... and targeted mutagenesis</i>
11/10/11	Angela DePace, Assistant Professor Department of Systems Biology Harvard Medical School	<i>Quantitative comparison of regulatory circuits across Drosophila species</i>



10/27/11	Chris Gabel, Assistant Professor of Physiology and Biophysics BU School of Medicine	<i>Worm Neurosurgery: Using femtosecond lasers to study neuronal damage in C. elegans</i>
9/29/11	Sam Isaacson, Assistant Professor Department of Math and Statistics Boston University	<i>Influence of Cellular Substructure on Gene Regulation and Expression</i>
9/22/11	Junhyong Kim, Edmund J. and Louise W. Kahn Professor Department of Biology Co-Director, Penn Genome Frontiers Institute	<i>Fuzzy thinking: single neuron variation in RNA state space</i>
9/15/11	Martin Herbordt, Associate Professor Department of Electrical and Computer Engineering Boston University	<i>Bio-Computing with Computational Accelerators</i>
5/26/11	Alain Arneodo, PhD Laboratoire Joliot-Curie Laboratoire de Physique Ecole Normale Supérieure de Lyon	<i>Replication domains are self-interacting structural chromatin units of human chromosomes</i>
5/19/11	Xiaoxia Lin Assistant Professor of Chemical Engineering University of Michigan	<i>Elucidating and Engineering Microbial Communities: Systems and Synthetic Biology Approaches</i>
5/12/11	Jasmin Fischer, Ph.D. Microsoft Research Cambridge	<i>Executable Biology: Successes &amp; Challenges</i>
5/5/11	Overview of the MGHPCC Research Computing Center	<i>The Massachusetts Green High Performance Computing Center (MGHPCC) is a research computing data center that is being designed and built in Holyoke, MA by a collaboration comprising Boston University, MIT, Harvard, Northeastern, and University of Massachusetts, as well as the Commonwealth of Massachusetts</i>

4/28/11	Ziv Bar-Joseph, Associate Professor Machine Learning Department and the Lane Center for Computational Biology School of Computer Science Carnegie Mellon University	<i>Linking the Signaling Cascades and Dynamic Regulatory Networks Controlling Stress Response</i>
4/20/11	Andrea De Martino, PhD Department of Physics (CNR-IPCF) Sapienza University of Rome	<i>The free energy landscape of metabolism: the energy balance problem for reaction networks revisited</i>
3/24/11	Douglas Densmore Richard and Minda Reidy Family Career Development Assistant Professor Department of Electrical Engineering Boston University	<i>A Tool-Chain to Accelerate Synthetic Biological Engineering</i>
3/10/11	Joao Xavier, Principal Investigator Program in Computational Biology Memorial Sloan Kettering Cancer Center	<i>Conflict and cooperation in microbial pathogens</i>
2/9/11	Pamela A. Silver, Professor Department of Systems Biology Harvard Medical School	<i>Designing biological systems of health and sustainability</i>
1/20/11	Pankaj Mehta, Assistant Professor Physics Department Boston University	<i>Communication and collective behavior in unicellular organisms</i>
12/16/10	Ran Kafri, Postdoctoral Research Fellow Kirschner/Lahav Laboratory Department of Systems Biology Harvard Medical School	<i>Dynamics and regulation of protein mass production in cancer cells revealed by Ergodic Rate Analysis (ERA) of single cell immunofluorescence measurements</i>
6/24/10	Mihai Pop, Assistant Professor Department of Computer Science and the Center for Bioinformatics / Computational Biology University of Maryland, College Park	<i>Analyzing microbial communities through sequencing</i>
6/22/10	Ichigaku Takigawa, PhD Institute for Chemical Research Kyoto University	<i>Ranking metabolic pathways based on transcriptional co-regulation of enzyme-coding genes</i>

5/21/10	John Spouge Senior Investigator National Library of Medicine, NIH Adjunct Professor, BU Bioinformatics	<i>A Rigorous Statistical Theory for Detecting Repeats in Biological Sequences</i>
4/15/10	Nir Hacohen Center for Immunology and Inflammatory Diseases Harvard Medical School, Massachusetts General Hospital and the Broad Institute	<i>Using RNAi to discover genes and networks of the immune system</i>
3/25/10	Curtis Huttenhower, Assistant Professor of Computational Biology and Bioinformatics Department of Biostatistics Harvard School of Public Health	<i>Supervised and unsupervised methods for large scale genomic data integration</i>
3/18/10	Richard Lamont, Professor Department of Oral Biology College of Dentistry University of Florida	<i>The Pathoecology of Porphyromonas gingivalis</i>
3/11/10	Jin Billy Li Postdoctoral Fellow Harvard Medical School	<i>Targeted Sequencing of Genomic and Transcriptomic Variations</i>
3/4/10	Jonghwan Kim Postdoctoral Fellow Harvard Medical School	<i>Transcriptional Regulatory Networks for Pluripotency of Embryonic Stem Cells</i>
2/26/10	Trey Ideker Professor and Division Chief Medical Genetics University of California San Diego	<i>Protein Network Based Biomarkers in Development and Disease</i>
2/25/10	Jeffrey Chang Postdoctoral Fellow Institute for Genome Sciences & Policy Duke University	<i>Genomic Strategies to Decipher the Complexity of Cancer</i>
2/18/10	Eric Batchelor Postdoctoral Fellow Harvard Medical School	<i>The ups and downs of p53: Analysis of p53 dynamics in response to DNA damage</i>

1/21/10	Artem Barski Postdoctoral Fellow National Heart, Lung and Blood Institute NIH Maryland	<i>ChIP-Seq, poised Genes and T cell memory</i>
12/10/09	Luis Carvalho, Asst. Professor Dept. of Mathematics and Statistics Boston University	<i>Centroid estimation for high-dimensional discrete inference with applications in computational biology</i>
11/19/09	Gyan Bhanot, Professor Department of Molecular Biology and Biochemistry Department of Physics and BioMaPS Institute Rutgers University	<i>A simple method for identifying dysregulated mRNA targets of microRNA in cancer with application to ccRCC</i>
11/5/09	Thomas Kepler, Professor Laboratory of Computational Immunology Duke University	<i>The Dynamics of T-Cell Receptor Repertoire Diversity Following Thymus Transplantation for DiGeorge Anomaly</i>
10/29/09	Jingdon Tian, Assistant Professor Department of Biomedical Engineering Institute for Genome Sciences and Policy Duke University	<i>Enabling Efficient Design, Construction, and Optimization of Synthetic BioSystem</i>
10/15/09	Arnie Levine, Professor Institute for Advanced Study Princeton	<i>The Evolution of the p53 Family of Genes</i>
9/17/09	Yoav Freund, Professor UC San Diego	<i>Applications of Machine Learning in Bio-Informatics</i>