4th Annual RECOMB Satellite on
REGULATORY GENOMICS

Thu-Sat Oct 11-13, 2007

http://compbio.mit.edu/recombsat
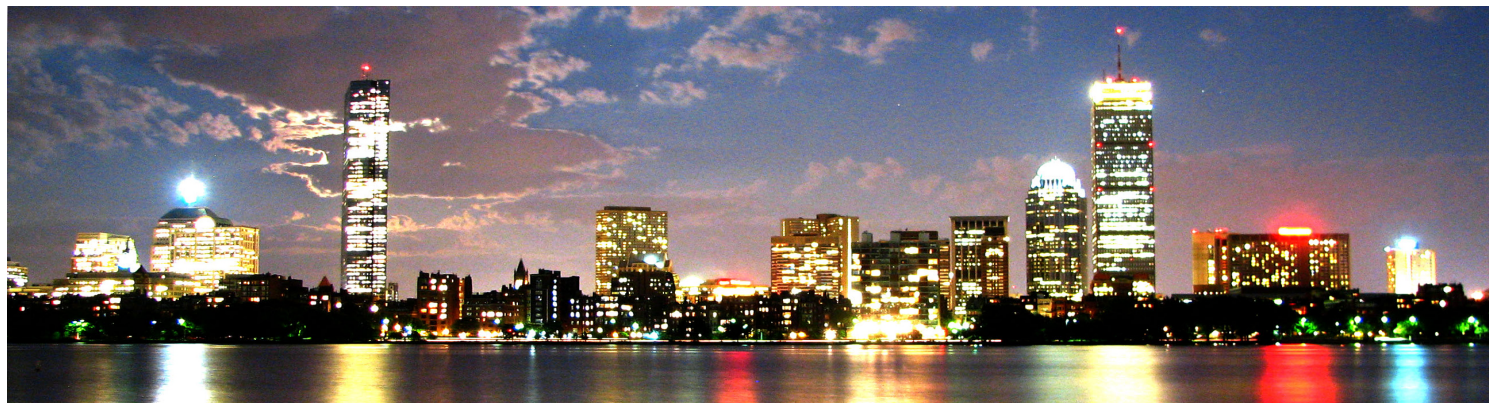
The 4th Annual RECOMB Satellite on Regulatory Genomics will be held in the Boston Area, at MIT, jointly organized by the Broad Institute of MIT and Harvard, and the MIT Computer Science and Artificial Intelligence Lab (CSAIL).

The goal of the meeting is to bring together computational and experimental scientists in the area of regulatory genomics, to discuss current research directions, latest findings, and establish new collaborations towards a systems-level understanding of gene regulation.

Organizing committee: Martha Bulyk, Eleazar Eskin, Manolis Kellis, Eran Segal   Contact: recombsat@mit.edu

Keynote Speakers

David Bartel
- Whitehead Institute

Ewan Birney
- Sanger / EBI

George Church
- MIT / Harvard

Jim Collins
- Boston University

Michael Eisen
- LBNL / Berkeley

Nir Friedman
- Hebrew University

Trey Ideker
- UC San Diego

Michael Levine
- UC Berkeley

Erin O'Shea
- Harvard University

Friday, October 12, 2007

Time	Morning Session: Broad	
8:00am	Breakfast	
9:00am	Keynote: George Church - Personal Genome Project	
9:30am	Ernst/Bar-Joseph: Dynamic regulatory maps	
9:45am	Fan/Liu: Bayesian Cell Cycle	
10:00am	Bais/Vingron: Nucleosome Depletion & TFBS	
10:15am	Coffee / Snacks / Fruit Break	
10:45am	Palin/Ukkonen: KA stats for CRMs	
11:00am	Ward/Bussemaker: Alignment free TFBS prediction	
11:15am	Ray/Xing: Multi-resolution phylo shadowing	
11:30am	Keynote: Ewan Birney - Human ENCODE project	
12:00pm	Lunch Break / Networking Opportunities	
1:00pm	Stark/Kellis: Motifs and targets in 12 Flies	
1:15pm	Jaeger/Bulyk: CRM target identification	
1:30pm	Yeger-Lote/Fraenkel: Perturbations expr. binding	
1:45pm	Keynote: Erin O'Shea - Transcriptional Networks	
2:15pm-4:00pm	Poster Session II	

Time	Evening Session: Broad	
4:00pm	Keynote: Nir Friedman - Histone turnover dynamics	
4:30pm	Sriswasdi/Ge: Interactome network motifs	
4:45pm	Zhang/Zhang: Splicing motif targets	
5:00pm	Xiao/Burge: Coevolution splicing networks	
5:15pm-6:15pm	Sunset Break	
6:15pm	Kumar/Young: Polycomb switch differentiation	
6:30pm	Thurman/Stam: DNase chromatin domains map	
6:45pm	Xi/Weng: DNase tissue-specific structures	
7:00pm	Keynote: Mike Levine - Drosophila DV Patterning	
7:30pm-9:30pm	Conference Reception	

Saturday, October 13, 2007

Time	Morning Session: Broad	
8:00am	Breakfast	
9:00am	Keynote: David Bartel - miRNAs	
9:30am	Ebert/Lauffenberger: miRNA sponge inhibitors	
9:45am	Yousef/Benos: miRNA upstream regulators	
10:00am	Kheradpour/Kellis: miRNA characterization	
10:15am	Coffee / Snacks / Fruit Break	
10:45am	Zheng/Burge/Sharp: Novel short RNAs	
11:00am	Kapranov/Gingeras: Promoter assoc. RNAs	
11:15am	O'Neil: Ultra-conserved centromere virus RNA	
11:30am	Bernick/Lowe: RNA-mediated silencing Archaea	
11:45am	Lunch Break / Networking Opportunities	
12:45pm	Keynote: Trey Ideker - Protein Network Comparison	
1:15pm	Mogno/Gardner: Temporal logic Ecoli sugar reg.	
1:30pm	Lim/Califano: Druggable apoptosis regulators	
1:45pm	Keynote: James Collins - Biology by Design	
2:15pm	Closing remarks + adjourn	

Thursday, October 11, 2007

Time	Evening Session: Broad	
5:00pm	Welcome/Registration/PosterSetUp (Broad)	
5:30pm	Keynote: Mike Eisen - Drosophila TFs function and evolution	
6:00pm	Reijman/Shamir: Evolution of TF combinations	
6:15pm	Zhao/Stormo: New models of TF specificity	
6:30pm	Berger/Bulyk: Motif finding using PBMs	
7:00pm-9:00pm	Poster Session I	

BROAD INSTITUTE

CSAIL

MIT