

RECOMB Regulatory Genomics, Systems Biology, and DREAM3 Reverse Engineering Challenges

Wednesday, Oct 29, 2008		Thursday, Oct 30, 2008		Friday, Oct 31, 2008		Saturday, Nov 1, 2008		Sunday, Nov 2, 2008	
8am		Breakfast		8am		Breakfast		8am	
9am		9am		9am		9am		9am	
Systems Biology keynotes:		Todd Golub: Signatures for Small Molecule Discovery 9		Aviv Bergman: Evolutionary Systems Biology in Health and Disease 34		Uri Alon: Design principles of biological systems 60		Leona Samson: Systems biology of DNA damage response pathway 85	
9:30		Karni/Sharan: Predicting Disease Genes 10		9:30 Hormozdiani/Cherkasov: Indels in prot netw 35		9:30 Ahmed,Song/Xing: Temporal networks 61		9:30 Rosenfeld/Zhang: Single nucleo. repress. 86	
9:45		Iorio/di Bernardo: Network drug action 11		9:45 Mitchell/Pilpel: Adaptive envirmnt conditioning 36		9:45 Mezey/Logsdon: Bayesian networks 62		9:45 Verlaan/Pastinen: Cis-regulatory variation 87	
10am		Margolin/Carr: Drug target discovery 12		10am Coffee / Snacks / Fruit Break		10am Peterson/Vilo: Embryonic networks 63		10am Lee/Bussemaker: Networks from linkage 88	
10:15		Coffee / Snacks / Fruit Break		10:15 DREAM introduction		10:15 Coffee / Snacks / Fruit Break		10:15 Coffee / Snacks / Fruit Break	
10:45		Veeramani/Bader: Metabol. flux in disease 13		10:30 Boris Kholodenko: Spatio-temp coding sign spec & netw reconstr 37		10:45 Huttenhower/Collier: Integration networks 64		10:45 Li/Leslie: Motifs from expr. trajectories 89	
11am		Chan/Song: CTCF confines Estrogen Rec 14		11am Popescu/D-Kumar: MAPK netw in plants 38		11am Tchagang/Pan: Dynamic Factor Analysis 65		11:00 Li: EM spaced dyad motif discovery 90	
11:15		Wang/Schadt: Inter-Species Comparison of 15		11:15 Sachs/Lauffenburger: Learning sign netw 39		11:15 Madar/Bonneau: Coupled netw dynamics 66		11:15 Noyes/Wolfe: 1-hybrid TF characterization 91	
11:30		Miguez/Silver: Cancer bistability/drug resist. 16		11:30 Castelo/Roverato: Rev eng regulatory netw 40		11:30 Chen/Wang: Cancer knowledg integration 67		11:30 Tim Hughes: Protein-nucleic acid interaction mapping 92	
11:45		Liu/Kasif: Type2 diabetes dysregulated nets 17		11:45 Marucci/Bernardo: Rev eng yea synth net 41		11:45 Zinman/Bar-Joseph: Cross spec expr clus 68			
12pm		Lunch Break / Networking Opportunities		12pm Lunch Break / Networking Opportunities		12pm Lunch Break / Networking Opportunities		12pm Adjourn	
1pm		David Bostein: Coordination of growth, cell cycle, stress, metabolism in yeast 18		1pm Altan-Bonnet: Challenge 1 intro 42		1pm Bing Ren: Chromatin signatures of transcriptional enhancers 69			
1:30		Chechik/Koller: Gene expr. response timing 19		1:15 Saez-Rodriguez: Challenge 2 intro 43		1:30 Yuan: Histone mark recruitment prediction 70			
1:45		McDermott/Helfron: Virulence bottleneck nod 20		1:30 Prill: Chlgs 1 and 2 overall results		1:45 Jothi/Zhao: Binding from ChIP-Seq 71			
2pm		Qian/Yoon: Querying protein netw. pathways 21		1:45 Guex: Challenge 2 best predictor talk 44		2pm Ernst/Bar-Joseph: TF binding prediction 72			
2:15		Coffee Break		2pm Bourque: Challenge 2 best predictor talk 45		2:15 Coffee / Snacks / Fruit Break			
2:45		Sahoo/Dill: Predicting B-Cell Develpt Genes 22		2:15 Short Break		2:45 Wasson/Hartemink: TF/nucl. Competition 73			
3pm		Beleva/Levchenko: Ecoli TCACycle centrality 23		2:30 Clarke: Challenge 3 intro 46		3pm Yeo/Clarke: TF targets from expr/binding 74			
3:15		Eden/Alon: Dyn proteome response/cell fate 24		2:45 Marbach: Challenge 4 intro 47		3:15 Halperin/Shamir: Modules from expr/seq 75			
3:30		Degenhardt/Carlberg: Stochastic PPAR-dep 25		3pm Stolovitzky: Chlgs 3 and 4 overall results		3:30 He/Sinha: Motif clustering/conservation 76			
3:45-5:15p		Systems Biology: Poster Session II (hors-d'oeuvres, snacks, refreshments)		3:15 Gustafsson: Chleng 3 best predictor talk 48					
				3:30 Ruan: Challenge 3 best predictor talk 49					
				3:45 Yip: Chlgs 4 best predictor talk 50					
				4pm Short Break					
				4:15 Doug Lauffenburger: Signaling netw in prim & transf hepatocytes 51		3:45-5:15p Regulatory Genomics: Poster Session II (hors-d'oeuvres, snacks, refreshments)			
				4:30 DREAM3 - Future directions & adjourn					
5pm		Welcome / Registration / Poster SetUp		5pm Welcome / Registration / Poster SetUp					
5:15		Pamela Silver: Designing Biological Systems 1		5:15 John Tyson: Reaction motifs and funct. modules in prot. networks 26		5:15 Thomas Tuschl: post-transcriptional networks 52		5:15 Eddy Rubin: Human Enhancers 77	
5:45		Russo/diBernardo: Synchr. biol. clocks 2		5:45 Yosef/Sharan: Funct prot net reconstruction 27		5:45 Zhou/Zhang: anti-sense small RNAs 53		5:45 DePace/Eisen: Fly embryo express. atlas 78	
6pm		Borenstein/Feldman: Metabolic topo sign 3		6pm Leung/Chin: Protein complexes from PPI dat 28		6pm Khan/Marks: siRNAs vs. endogen. resp. 54		6pm Frise/Celniker: Embryonic image mining 79	
6:15		Rodriguez-Martinez/Furman: mRNA fluc 4		6:15 Lee/Shakhnovich: Yeast complex Tx co-regu 29		6:15 Gitter/Bar-Joseph: Euk code redundancy 55		6:15 Li/Chuang,Guo: Brain express. enhancers 80	
6:30		Mezes break - light snacks		6:30 Mezes break - light snacks		6:30 Mezes break - light snacks		6:30 Mezes break - light snacks	
6:45		Burke/Sorger: Single-cell caspase amplif. 5		6:45 Navlakha/Kingsford: Graph summarization 30		6:45 Mark Gerstein: modENCODE 56		6:45 Wang/Chris Burge: Tissue- and factor-specific RNA processing 81	
7pm		Fichtenholtz/Collins: Engin transc profiles 6		7pm Shlomi/Ruppin: Human tissue-specific metat 31		7:15 Erives: Ciona enhancer structure 57		7:15 Foat/Stormo: Structural mRNA motifs 82	
7:15		Szczurek/Vingron: Regul informative expts 7		7:15 Kuttykrishnan/Brent: Steady state to kinetics 32		7:30 Busser/Michelson: Muscle regulation 58		7:30 Reiss/Baliga: Reg. logic in coding regions 83	
7:30		Daphne Koller: Activity patterns in biological networks 8		7:30 George Church: From personal genomes and enviroms to traits 33		7:45 Megraw/Ohler,Hatzigeorgiou: TSS code 59		7:45 Waldman/Ruppin: Cancer transl. efficiency 84	
8pm-11p		Systems Biology: Welcome Reception Poster Session I (hors-d'oeuvre, heavier snacks, cash bar)		Concert		Regulatory Genomics: Halloween Poster Session III (hors-d'oeuvre, snacks, refreshments, tricks, and treats)		Reception: A night at the Museum	