BBSI 2007 Journal Club Schedule (Thursday, 4-5 pm, 3073 BST-3)

Number	Date	Student Speaker (Faculty Mentor)	Paper Title
1	May 31	Casey Overby (Sanjeev Shroff)	Pressure-calcium relationships in perfused mouse hearts, MacGowan et al., *Am J Physiol Heart Circ Physio*l 290: H2614–H2624 (2006).
2	May 31	Manjula Kasoji (Bino John)	Regulatory circuit of human microRNA biogenesis. Lee et al., *PLoS Computational Biology*, doi:10.1371/journal.pcbi.0030067.eor.
3	May 31	Ankur Agarwal (Takis Benos)	DNA Familial Binding Profiles Made Easy: Comparison of Various Motif Alignment and Clustering Strategies, Mahony et al., *PLoS Comput Biol.* 2007 Mar 30;3(3):e61. Epub 2007 Feb 15.
4	Jun 8	Alex Heitman (Jeffry Madura)	Electrostatics of nanosystems: Application to microtubules and the ribosome Nathan A. Baker et al., *PNAS*, 98, 10037-10041 (2001). doi:10.1073/pnas.181342398.
5	Jun 8	Fred Doamekpor (G. Bard Ermentrout)	Initiation, Propagation, and Termination of Epileptiform Activity in Rodent Neocortex In Vitro Involve Distinct Mechanisms, David Pinto et al., *The Journal of Neuroscience*, 25(36):8131– 8140 (2005).
6	Jun 8	Kia Montgomery (Billy Day)	Total Synthesis and Biological Evaluation of C16 Analogs of (–)-Dictyostatin, Won-Hyuk Jung et al., *Journal of Medicinal Chemistry*, 50 (2007), in press.
7	Jun 14	Neil Parikh (G. Bard Ermentrout)	A reduced mathematical model of the acute inflammatory response: I. Derivation of model and analysis of anti-inflammation (2006) Angela Reynolds et al., *Journal of Theoretical Biology*, 242, 220–236
8	Jun 14	Andrej Savol (Carlos Camacho)	Anchor residues in protein–protein interactions, Deepa Rajamani et al., *PNAS*, 101, 11287–11292 (2004). doi:10.1073/pnas.0401942101
9	Jun 14	Rusty Stough (Jeffry Madura)	Solvent and mutation effects on the nucleation of amyloid {beta}-protein folding (2005) Luis Cruz et al., *PNAS*, 102, 18258-18263. doi:10.1073/pnas.0509276102.
10	Jun 28	Akrita Bhatnagar (Joel Stiles)	The exocytotic event in chromaffin cells revealed by patch amperometry (1997) A. Albillos et al., *Nature*, 389, 509-12.
11	Jun 28	Alissa Verone (Joel Stiles)	High calcium concentrations shift the mode of exocytosis to the kiss-and-run mechanism (1999) Eva Ales et al., *Nat Cell Biol.* 1, 40-44.
12	Jun 28	Rahul Kumar (Michael Sacks)	Cyclic flexure and laminar flow synergistically accelerate mesenchymal stem cell-mediated engineered tissue formation: Implications for engineered heart valve tissues (2006) George C. Engelmayr, Jr., et al., *Biomaterials* 27, 6083–6095.
13	Jul 5	Pavol Genzor (Martin Schmidt)	Mark Johnston (1999) Feasting, fasting and fermenting: glucose sensing in yeast and other cells, *Trends in Genetics* 15, 29-33.
14	Jul 5	Lisa Gabor (Judith Klein-Seetharaman)	Yanjun Qi, Ziv Bar-Joseph, and Judith Klein-Seetharaman (2006) Evaluation of Different Biological Data and Computational Classification Methods for Use in Protein Interaction Prediction, *PROTEINS: Structure, Function, and Bioinformatics* 63:490–500
15	Jul 5	Kamaldeep Singh (Judith Klein-Seetharaman)	Harold J Drabkin, Christopher Hollenbeck, David P Hill and Judith A Blake (2005) Ontological visualization of protein-protein interactions, *BMC Bioinformatics*, 6:29 doi:10.1186/1471-2105-6-29.
17	Jul 12	Brook Chernet (Immune Tolerance Network)	William R Pearson and Michael L Sierk (2005) The limits of protein sequence comparison?, *Current Opinion in Structural Biology* 20, 15:1–7.