

**Program of the Entropy in Biomolecular Systems Workshop,
MedILS, Split Croatia, August 10-16, 2008**

Sunday 10	all day 19:30 – 21:00		arrival opening dinner
Monday 11	8:30 – 9:30 9:30 - 11:00 11:00 – 11:30 11:30 - 12:45 13:00 – 14:00 14:00 - 16:00 16:00 - 19:30 19:30 – 21:00 21:00 - 22:00	Hagai Meirovitch Arieh Ben-Naim Paolo De Los Rios Davor Juretic	breakfast Calculating entropy and free energy of biological systems coffee break Entropy of Mixing and Entropy of Assimilation lunch Using entropy to drive biological processes beach time + self-organized discussion sections dinner Enzymes and living cells as functionally optimized systems for coupling thermodynamics to biological evolution
Tuesday 12	8:30 – 9:30 9:30 - 11:00 11:00 – 11:30 11:30 - 13:00 13:00 – 14:00 14:00 - 15:30 15:30 - 16:15 16:15 - 19:30 19:30 – 21:00 21:00 - 22:00	Hagai Meirovitch Chris Oostenbrink Chris Oostenbrink Charles Laughton Paolo De Los Rios	breakfast Absolute free energies and entropies coffee break Calculation of entropy differences lunch Entropy in drug design TBA beach time + self-organized discussion sections dinner Configuration Space Networks: how to characterize free energy landscapes
Wednesday 13	8:30 – 9:30 9:30 - 11:00 11:00 – 11:30 11:30 - 13:00 13:00 – 14:00 14:00 - 15:30 15:30 - 16:15 16:15 - 19:30 19:30 – 21:00 21:00 - 22:30	Jürgen Schlitter Riccardo Baron Frauke Graeter Chiara Poletto Arieh Ben-Naim	breakfast Conformational entropy and entropic forces coffee break Molecular vs. single molecule entropy, experiment vs. computation. lunch Entropic spring models - Unfolded proteins as entropic springs in poor solvent Emergence of secondary motifs in tube-like polymers beach time + self-organized discussion sections dinner Entropy and information (+ dialogue with Roberta Ben-Naim)
Thursday 14	8:30 – 9:30 9:30 - 11:00 11:00 – 11:30 11:30 - 13:00 13:00 – 14:00 14:00 - 14:45 14:45 - 15:30 15:30 - 16:15 17:00 - 19:00 19:30 – ...	Jürgen Schlitter Riccardo Baron Jorge Numata Ulf Hensen Nico van der Vegt	breakfast From vibrational to maximum entropy estimates coffee break Anharmonicity and correlation corrections to the configurational entropy lunch New advances in calculation of biomolecular conformational entropy The independent subspace approach for estimating configurational entropies Entropy and solvation Walking tour of Split Free – Split by night
Friday 15	8:30 – 9:30 9:30 - 10:15 10:15 - 11:00 11:00 – 11:30 11:30 - 12:15 12:15 - 13:00 13:00 – 14:00 14:00 - 14:45 14:45 - 15:30 15:30 - 16:15 16:15 - 19:30 19:30 – 21:00	Richard Henchman Serena Donnini Sergei Krivov Sarah Harris Bojan Zagrovic Michel Cuendet All	breakfast A partition function for the liquid phase Incorporating ionic strength and protonation states in free energy calculation coffee break Characterizing free energy landscapes The Simplicity of DNA Dynamics lunch More dynamic than we think? Conformational averaging in structural biology Some aspects of protein-protein recognition Closing session beach time + self-organized discussion sections farewell dinner
Saturday 16	8:30 – 9:30 all day		breakfast departure