

1987

Schedule:

Sunday afternoon & evening, September 20

- 3:00-9:00 Registration at Camp II.
- 8:00-10:00 State of Biothermodynamics in the U.S. Chaired by Gary Ackers. Speaker: Ken Dill

Monday, September 21

- 7:00-8:00 Breakfast
- 8:00 Scientific Session Chaired by George Na
- 8:05-8:35 Marcelo Santoro-"Evaluation of Free Energy Changes in Solvent Induced Protein Unfolding"
- 8:45-9:15 Darwin Alonso-"Theory for the Solvent Denaturation of Globular Proteins"
- 9:25-9:40 Robert Seckler-"Effect of Solvent Components on Tubulin-Nucleotide Interactions"
- 9:45-10:00 Jose L. LaComba-"Multifrequency Differential Scanning Calorimetry of Phospholipid Bilayer Membranes"
- 10:05-10:25 BREAK
- 10:25 Scientific Session Chaired by Bertrand Garcia-Moreno E.
- 10:30-11:00 D.S. Burz-"Physical Studies of Single Site Mutants of E. coli Aspartate Transcarbamylase"
- 11:10-11:40 Tom Consler-"The Allosteric Switch in Pyruvate Kinase"
- 11:50-12:05 Beth Goins-"Modification of Intersubunit Protein Interaction by Association of Cholera Toxin to Its Surface Receptor"
- 12:10-12:25 Glen Ramsay-"Thermodynamic Stability of Diphtheria Toxin"
- 12:30 LUNCH
- 5:00-6:00 POSTER SESSION
- 6:00-7:30 DINNER-Giant City Lodge

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- 8:00 Scientific Session Chaired by Madeline Shea
- 8:05-8:35 Dorothy Erie-"Nucleic Acid Dumbbells: A Comparative Investigation"
- 8:45-9:15 Wlodzimierz Bujalowski-"Negative Cooperativity as a Control of the Switch Between the E. coli Single Strand Binding Protein-ssDNA Binding Modes"
- 9:25-9:55 Bertrand Garcia-Moreno E.-"Electrostatic Modelling of Specific Ion-binding sites in Macromolecule"
- 10:05-10:20 Martin Straume-"Resolvability of the Quaternary Enhancement Effect in Human Hemoglobin"
- 10:30 REFRESHMENTS

Tuesday, September 22

- 7:00-8:00 BREAKFAST
- 8:00 Scientific Session Chaired by Marcelo Santoro
- 8:05-8:35 Madeline Shea-"The Human Hb Tetramer Defies a Two-State/Two-Structure Model"
- 8:45-9:00 Phil Speros-"Cooperative Free Energies of the Intermediate Ligation State Species of Human Hb"
- 9:05-9:20 Jeremy Johnson-"Temperature Dependence of the Gibbs Free Energy of Assembly of CN-Met Intermediate Ligation Configuration of Human Hb"
- 9:25-9:40 George Turner-"Investigation of the Molecular Mechanisms of Cooperativity in Human Hb via Thermodynamic Analysis of Mutant and Chemically Modified Variant Hb"
- 9:45-10:00 Vince LiCata-"Mapping the Pathway of Co-operative Free Energy Transduction in the Human Hb Molecule"
- 10:05-10:25 BREAK
- 10:25 Scientific Session chaired by Robert Seckler
- 10:30-11:00 Tomasz Heyduk-"Conformational Changes of Rabbit Muscle Aldolase Induced by Substrate Binding"
- 11:10-11:40 George Na-"Equilibrium and Kinetic Studies of In Vitro Collagen Fibril Assembly"
- 11:50-12:20 Extemporaneous presentations

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12:30	LUNCH
5:00-6:00	POSTER SESSION
6:00-8:00	DINNER- <i>Buffalo Tro</i>
8:30-10:00	Discussion Chaired by Gary Ackers "Formulation of activities to promote Biothermodynamics"

Wednesday, September 23

7:00-8:00	BREAKFAST
9:00	Checkout time.