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Sommario/riassunto	Christopher M. Cheatum and Amnon Kohen Relationship of Femtosecond–Picosecond Dynamics to Enzyme-Catalyzed H-Transfer Cindy Schulenburg and Donald Hilvert Protein Conformational Disorder and Enzyme Catalysis A. Joshua Wand, Veronica R. Moorman and Kyle W. Harpole A Surprising Role for Conformational Entropy in Protein Function Travis P. Schrank, James O. Wrabl and Vincent J. Hilser

Conformational Heterogeneity Within the LID Domain Mediates Substrate Binding to *Escherichia coli* Adenylate Kinase: Function Follows Fluctuations Buyong Ma and Ruth Nussinov Structured Crowding and Its Effects on Enzyme Catalysis Michael D. Daily, Haibo Yu, George N. Phillips Jr and Qiang Cui Allosteric Activation Transitions in Enzymes and Biomolecular Motors: Insights from Atomistic and Coarse-Grained Simulations Karunesh Arora and Charles L. Brooks III Multiple Intermediates, Diverse Conformations, and Cooperative Conformational Changes Underlie the Catalytic Hydride Transfer Reaction of Dihydrofolate Reductase Steven D. Schwartz Protein Dynamics and the Enzymatic Reaction Coordinate.
