

Preface	vii
Speakers	xi
Participants	xiii
Unusual DNA Structures and the Probes Used for Their Detection.	
Robert D. Wells, Sorour Amirhaeri, John A. Blaho, David A. Collier, Jeffery C. Hanvey, Wang-Ting Hsieh, Adam Jaworski, Janusz Klysik, Jacquelynn E. Larson, Michael J. McLean, Franz Wohlrab, and Wolfgang Zacharias	1
The Specificity of "Single Strand Specific Endonucleases": Probes of phosphodiester conformation in double stranded nucleic acids. Left-handed Polypurine/polypyrimidine structures. Long range transmission of conformational information in DNA. David E. Pulleyblank, Mark Glover, Chuck Farah, and David B. Haniford	
	23
Chromatin Structure and DNA Structure at the <u>hsp 26</u> Locus of <u>Drosophila</u>. S.C.R. Elgin, I.L. Cartwright, D.S. Gilmour, E. Siegfried, and G.H. Thomas	
	45
Cruciform Extrusion in Supercoiled DNA - Mechanisms and Contextual Influence. David M.J. Lilley, Karen M. Sullivan, Alastair I.H. Murchie, and Judy C. Furlong	
	55
Torsional Stress, Unusual DNA Structures, and Eukaryotic Gene Expression. Charles R. Cantor, Subhasis Bondopadhyay, Shamir K. Bramachari, Cho-Fat Hui, Michael McClelland, Randall Morse, and Cassandra L. Smith	
	73
Development of a Model for DNA Supercoiling. Stephen C. Harvey and Robert K.-Z. Tan	
	91
Cruciform Transitions Assayed Using a Psoralen Crosslinking Method: Applications to Measurements of DNA Torsional Tension. David E. Pettijohn, Richard R. Sinden, and Steven S. Broyles	
	103
NMR-Distance Geometry Studies of Helical Errors and Sequence Dependent Conformations of DNA in Solution. Dinshaw J. Patel, Lawrence Shapiro, and Dennis Hare	
	115
Hyperreactivity of the B-Z Junctions Probed by Two Aromatic Chemical Carcinogens, 2-N,N-Acetoxyacetylaminofluorene and 3-N,N-Acetoxyacetyl-Amino-4,6-Dimethyldipyrido[1,2-a:3',2'-d] Imidazole. Laurent Marrot, Annie Schwartz, Eric Hebert, Germain Saint-Ruf and Marc Leng	
	163
Inherently Curved DNA and Its Structural Elements. E.N. Trifonov and L.E. Ulanovsky	
	173
DNA Flexibility Under Control: The Jumna Algorithm and its Application to BZ Junctions. Richard Lavery	
	189
Base Sequence Effects in Curved and Rodlike DNA. Wilma K. Olson, A.R. Srinivasan, Rachid C. Maroun, Ramon Torres, and William Clark	
	207

Sequence-Dependent Curvature of DNA.	Paul J. Hagerman	225
Biophysical Principles of Specificity and Stability of Protein-DNA Interactions: Application to RNA Polymerase (Eo⁷⁰)-Promoter Interactions.	M. Thomas Record, Jr.	237
Immunochemical Approaches to the Definition of Unusual Nucleic Acid Structures.	B. David Stollar	253
Molecular Mechanical Studies on the B + Z Energetics of DNA Sequences.	Shashidhar N. Rao, Thomas Jovin, and Peter A. Kollman	267
Usual and Unusual DNA Structures: A Summing Up.	Richard E. Dickerson	287
Index		307