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International Biophysics Congress (8th) Held in Bristol, United Kingdom on 29 July-4 August 1984. Final Programme and Book of Abstracts.

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Abstract : The scientific programme comprised four plenary lectures, twenty- eight symposia with invited speakers and oral presentations. Session topics included: Chemical and electrical regulation of ion channels; NMR in vivo; Polymorphism and structural transitions

in nucleic acids; Food biophysics; Nucleic acid-protein interactions; Processing and control of visual information; Connective tissue and bone; Mechanisms of transport across membranes; Cytoskeleton; Chromatin structure and function; Structure of food biopolymers; Cross-bridge mechanisms and muscle contraction; Education in biophysics; Viruses; Folding, dynamics and solvation of macromolecules; Image reconstruction; Dissipative structures and pattern formation in biological systems; Photosynthesis; Medical imaging; Molecular evolution; Metal-proteins and electron transfer; Polysaccharides and glycoproteins; Electrostatic effects in protein function; Photo and auditory receptors; Applications of synchrotron radiation; Rheology of cell membrane; Electric field effects in cell membranes; Developments in microscopy; Environmental biophysics. This volume consists of abstracts of each days scientific contributions.

Descriptors : *CELLS(BIOLOGY) , *SYMPOSIA , *BIOPHYSICS , IONS , FIBERS , MEMBRANES(BIOLOGY) , NUCLEAR MAGNETIC RESONANCE , ENVIRONMENTS , BIOLOGY , CHEMICAL PROPERTIES , DYNAMICS , MOLECULES , STRUCTURAL PROPERTIES , POLYSACCHARIDES , BIOCHEMISTRY , PROTEINS , GLYCOPROTEINS , DISSIPATION , ELECTRIC FIELDS , OPTICAL DATA , ABSTRACTS , X RAYS , ELECTRICAL PROPERTIES , MICROSCOPY , TRANSPORT , PATTERNS , RHEOLOGY , MACROMOLECULES , TRANSITIONS , INTERNATIONAL , VISION , MUSCLES , SOLVATION , MEDICAL SERVICES , VIRUSES , IN VIVO ANALYSIS , ELECTRON TRANSFER , FOOD , RADIOGRAPHY , CHANNELS , ELECTROSTATICS , POLYMORPHISM , CONTRACTION , NUCLEIC ACIDS , CELL STRUCTURE , BONES , SYNCHROTRON RADIATION , CONNECTIVE TISSUE , LECTURES , PHOTOSYNTHESIS , EVOLUTION(BIOLOGY) , FUNCTIONS , CHROMATIN , DATA PROCESSING , CONTROL

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