

News from the International Union for Pure and Applied Biophysics

THIRD INTERNATIONAL BIOPHYSICS CONGRESS IN MOSCOW, AUGUST 1972

Schedule of Meetings

Sunday 6 August	08.30	Meeting of Council
Monday 7 August	10.00	Official opening of Congress
	15.00	Plenary Symposium on Neuronal Organization
Tuesday 8 August		Symposia and contributed papers
Wednesday 9 August		Symposia and contributed papers
Thursday 10 August	09.30	General Assembly of I.U.P.A.B.
Friday 11 August		Symposia and contributed papers
Saturday 12 August		Symposia and contributed papers
	16.30	Meeting of Council
Sunday 13 August		Symposia and contributed papers
Monday 14 August		Informal discussion on perspectives in biophysics
	13.00	Closing Ceremony

Topics of Symposia

- I. Protein structure and function
 1. Theoretical approach to the structure of proteins
 2. Allosterism
 3. Protein conformation in solutions
- II. Structure and function of nucleic acids
 1. Structure of nucleic acids
 2. Conformational effects in nucleic acids
- III. Biophysics of motility
 1. Structural basis of motility
 2. Analysis of contraction mechanisms – theories and facts
- IV. Membrane structure and function
 1. The conformation of proteins and lipids in biomembranes
 2. Ion selectivity and permeability in natural and artificial membranes
 3. Bioenergetic processes in membrane structures

- V. Structure and function of paramagnetic centres and free radicals in biological systems
 - 1. Free radicals in light and dark biological processes
 - 2. Paramagnetic complexes of metals in biological systems
- VI. Radiation biophysics
 - 1. Biophysical aspects of the effect of radiation on the regulation of cell division
 - 2. Primary stages of the effects of radiation on biopolymers
- VII. Communication and control processes in biological systems
 - 1. Cerebellum
 - 2. Formation and regeneration of fibre connexions in sensory systems
 - 3. Quantitative analysis of biological systems
- VIII. Medical biophysics
 - 1. Biophysical aspects of cancerogenesis and malignant growth
 - 2. Principles of organization of movement control systems
- IX. Biophysics of reception
- X. Computer techniques in biomedical research
- XI. Biorheology
- XII. Physics of subcellular systems
 - 1. Structure of ribosomes and mechanism of protein biosynthesis
 - 2. The role of protein and nucleic acid interactions in (a) DNA and RNA polymerase, (b) repressor and host modification

Forthcoming Meetings

1972

June

- 4-7 IUPAC International Symposium on Carotenoids other than Vitamin A. Cluj, Rumania.
- 5-8 IUPAC Symposium on Man-Made Polymers in Paper making, Helsinki, Finland.
- 6-9 7th International Congress on Animal Reproduction. Write: Sec.: Dr K. O. von Selle, Adenauerallee 176, 53 Bonn 1, Germany.
- 10-15 IUPAC Microsymposium on Photochemical Processes in Polymer Chemistry, Louvain, Belgium.
- 18-23 4th International Congress of Endocrinology (Washington, U.S.A.). Sec.: Dr G. D. Aurbach, 1629 K. Street, N.W. Washington DC 20006, U.S.A.
- 19-23 8th International Congress on Clinical Chemistry. Copenhagen, Denmark. Write: Department of Clinical Chemistry, Rigshospitalet, Blegdamsvej 9, DK-2100, Copenhagen, Denmark or Executive Secretary of the Biochemical Society.

- 19-23 SCIB Symposium on Modern Methods in Study of Microbial Ecology: Uppsala, Sweden.
- 22-23 IUPAP Second International Symposium on Surface Physics. Enschede, Netherlands.
- 22-28 IUPAC 14th International Conference on Coordination Chemistry: Toronto, Canada.
- 26-30 4th International Conference on Germinal Centres and Nymphoid Tissue in Immune Response, Dubrovnik, Yugoslavia.
IUBS Symposium on Theoretical Biology: Bellagio, Italy.

July

- 2-7 9th International Congress of Gerontology. Kiev, USSR. Sec.: Professor D. Chebotarev, Institute of Gerontology, Kiev 114, Vyshgorodskaya 67, U.S.S.R.
- 2-8 IUPAC International Symposium on Macromolecules: Helsinki, Finland.
- 3-5 IUPAP International Conference on Bond Structure in Solids: Exeter, U.K.
- 3-8 IUPAC Symposium 'Chemistry in Evolution and Systematics'. Strasbourg, France. Sec.: Mr J. B. Harborne, Botany Department, The University, Reading, Berks, U.K.
- 10-14 IUBS Symposium on Plant Biochemistry: Leeds, U.K.
- 16-22 IUPAC 4th International Photochemistry Symposium. Karlsruhe, B.R.D.
- 17-21 IUPAC 7th International Symposium on the Relativity of Solids: Bristol, U.K.
- 18-21 IUPAP 6th International Cyclotron Conference: Vancouver, Canada.
- 19-21 IUPAP Meeting on Radiation Induced Defects in Semi-conductors: Reading U.K.
- 20-26 IUPAP International Congress on Teaching Physics to students of Physics, Related Sciences and Engineering: Kiel, B.R.D.
- 23-28 5th Congress of International Union of Pharmacology, San Francisco. Sec.: Mrs H. P. Lemp, 9650 Rockville Pike, Bethesda, Maryland 20014. U.S.A.
- 25-29 IUPAP 11th International Conference on Physics of semi-conductors. Warsaw, Poland.
- 30-4 Aug. 3rd International Conference on Medical Physics. Goteborg, Sweden. Write: Professor R. Magnusson, Chalmers Technical University, S-402, Gottenburg 5, Sweden.
IUPS Symposium on Foetal Physiology. Cambridge, U.K.

August

- 7-11 IUPAP 3rd International Conference on Atomic Physics. Boulder, U.S.A.

- 14-18 IUPAC International Symposium on Carbohydrate Chemistry. Madison, Canada.
- 20-26 IUPAP 13th International Conference on Low Temperature Physics. Boulder, U.S.A.
- 21-25 IUPAC 5th International Congress on Catalysis. Miami Beach, U.S.A.
- 21-25 8th FEBS Meeting (Biochemical Society). Amsterdam.
- 21-25 6th International Congress on Photobiology. Bochum, West Germany. Write: Professor H. Tronice, Universitäts-Bautlinik, D-7400, Tübingen. Spons: Comite International de Photobiologie.
- 21-25 4th International Congress of Histochemistry and Cytochemistry, Kyoto, Japan. Sec.: Professor K. Ogawa, Department of Anatomy, Kansai Medical School, Moriguchi, Osaka, Japan.
- 22-24 IUPS Symposium on Dynamics and Control in Physiological Systems. Rochester, U.S.A.
- 22-30 14th International Congress of Entomology. Canberra, Australia. Sec.: Dr C. N. Smithers, P.O. Box 216, Civic Square, A.C.T. Australia 2608.
- 26-7 Sept 9th International Congress of Crystallography, Kyoto, Japan. Sec.: Mr Y. Saito, Organising Committee of Crystallography Science Council of Japan. 22-34 Roppongi, 7-Chome, Minato-Ku, Tokyo 106. Japan.
- 27-7 Sept IUCr XI General Assembly. 4th International Congress, Kyoto, Japan.
- 28-31 IUPAC 10th Microsymposium on Macromolecules: Prague, Czechoslovakia.
- 28-1 Sept. 15th International Conference on the Biochemistry of Lipids. The Hague. General theme: 'Enzyme Reactions in Lipid Biochemistry'. Write: Dr B. H. Tritten, Unilever Research, P.O. Box 114, Vlaardingcn, The Netherlands.
- 28-1 Sept. IUPAC 5th International Congress on Catalysis, Miami Beach, U.S.A.
- 28-1 Sept. IUPAC International Symposium on Microbial Engineering. Marienbad, Czechoslovakia.

September

- 3-8 International Congress of Cell Biology, Falmer, nr Brighton, Sussex, U.K. Write: Dr B. M. Richards, Searle Research Laboratories, Lane End Road, High Wycombe, Bucks.
- 3-8 IUPAP Meeting on Properties of Liquid Metals. Tokyo, Japan.
- 3-9 IUNS 9th International Congress of Nutrition. Mexico. Secretary: Dr S. Zubrian, Instituto Nacional de la Nutricion, Division de Nutricion, San Buinaventura y Vuaducto Tlalpan, Tlalpan, Mexico 22, D.F. Mexico.
- 4-7 IUPAC 11th Microsymposium on Macromolecules, Prague, Czechoslovakia.

- 4-8 1st International Congress of Biorheology, together with 6th International Congress on Rheology. Lyons, France. Write: Dr A. L. Copley President of the International Society of Biorheology, 50 Central Park West, New York, N.Y. 10023, U.S.A.
- 4-8 IUPAP Meeting on Nuclear Moments and Nuclear Structure. Osaka, Japan.
- 4-8 IUPAC Conference on Physical Organic Chemistry. Cran-sur-Sierre, Switzerland.
- 4-15 Summer School 'Assemblies of Biomacromolecules'. Strunjan, Yugoslavia. Organized by the University of Zagreb and Ljubljana in cooperation with the Coordination Centre for Molecular Sciences of the Council of Academies of Yugoslavia. Write: S. Maricic, Institut za biologiju Sveucilista. P.O.B. 294, 41000 Zagreb, Yugoslavia.
- 5-9 IUPAC International Conference on Physical Chemistry. Bucharest, Romania.
- 6-13 IUPAP International Conference on High Physics. Chicago, U.S.A.
- 11-15 IUPAC International Congress on Surface Activity. Zurich, Switzerland.
- 13-15 IUPAC International Symposium on Medicinal Chemistry. Milan, Italy.

October

- 3-7 IUPS International Symposium on Motor Control. Varna, Bulgaria.
- 4-7 IUPS Meeting on Respiratory Chemoregulation and its related disorders. Istanbul, Turkey.

November

- 23-26 IUPAP International Conference on Modulation Spectroscopy. Tucson, U.S.A.

1973

July

- 1-7 9th International Congress of Biochemistry, Stockholm. Sec.: Dr G. Aulin-Erdiman, Svenska Kemistsamfundet, Wenner-Gren Center, 6tr S-113, 46 Stockholm, Sweden.

September

- 3-8 24th IUPAC Congress: 'Medical Chemistry' Hamburg. Sec.: Dr W. Fritsche, Gesellschaft Deutscher Chemiker, 6 Frankfurt am Main, 90 Germany.

October

- 15-20 13th International Congress of Radiology. Madrid. Write: The Secretariat, Decimotercio. Congreso Internacional de Radiologia, Lagasca 27, Madrid I.