

News from the International Union for Pure and Applied Biophysics

VIIth International Biophysics Congress

The VIIth International Biophysics Congress and the IIIrd Pan-American Biochemistry Congress will be held jointly in Mexico City from 23 to 29 August 1981.

The principal aim of this event is to bring together scientists and students engaged in the various fields of biophysics, biochemistry and other areas of biological and physical sciences in recognition of the manifold interactions developed in these spheres. Both the classical and newly developing areas will be represented, thereby seeking to provide the appropriate framework for participants to obtain an overall view and a more detailed insight into their fields of interest.

The scientific programme includes plenary lectures, symposia, workshops and free communications. Also, satellite activities and an International School of Biophysics, for the benefit of students and young scientists, have been scheduled.

The symposia topics will include:

- Internal mobility of bio-macromolecules.
- Interaction between informational macromolecules.
- Biophysics of enzyme action.
- Molecular structure and mechanisms of action of toxins and their receptors.
- Structure and function of carbohydrates and glycoproteins.
- Molecular interactions in muscle.
- Nucleic acids structure.
- Transcriptional and translational aspects of gene expression.
- Molecular biology of parasites.
- Dynamics of molecular interactions in membranes.
- Ion translocation in membranes.
- Biophysics of photoreceptors and auditory receptors.
- Primary events in photosynthesis.

Transport coupling mechanisms in epithelia.

Cell-to-cell communication.

Regulation and action of intracellular calcium.

Molecular events in the generation and utilization of electrochemical potentials.

Interneuronal communication.

Neurotransmitters and receptors.

Environmental biophysics and solar-energy conversion.

Those interested in attending the Congress should apply for a registration form to:

VIIth International Biophysics Congress and
IIIrd Pan American Biochemistry Congress
Cerrada de Popocatepetl No. 51-A
Mexico 13, D.F.
Mexico.