

# News from the International Union for Pure and Applied Biophysics

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## 8th International Biophysics Congress

The 8th International Biophysics Congress will be held in Bristol, England, from 29 July to 4 August 1984. The principal site of the Congress meetings will be the 'Floating Harbour' Conference and Exhibition Centre in the heart of the city. Hotel accommodation will be available within walking distance of the Congress Centre, and rooms may also be reserved in the halls of residence of Bristol University. The time-table for the chief events will be

Registration Desks open	Saturday, 28 and Sunday, 29 July
Opening Ceremony and Reception	Sunday evening, 29 July
Scientific Sessions	Monday, 30 July to Friday, 3 August
Closing Ceremony and Farewell Party	Friday evening, 3 August.

The scientific programme will include symposia, plenary lectures and poster sessions. Each symposium will include one or two speakers chosen from the contributors to the poster sessions. The topics for the symposia will include

1. Polymorphism and structural transitions in nucleic acids.
2. Nucleic acid–protein interactions.
3. Chromatin structure and function.
4. Molecular evolution.
5. Folding, dynamics and solvation of macromolecules.
6. Electrostatic effects in protein function.
7. Metal-proteins and electron transfer.
8. Polysaccharides and glycoproteins.
9. Cross-bridge mechanisms in muscle contraction.
10. Cytoskeleton.
11. Connective tissue and bone.
12. Viruses.

13. Electric field effects in cell membranes.
14. Photo and auditory receptors.
15. Chemical and electrical regulation of ion channels.
16. Mechanisms of active transport across membranes.
17. Photosynthesis.
18. Food biophysics.
19. NMR in Biology.
20. Applications of synchrotron radiation.
21. Developments in microscopy.
22. Image reconstruction.
23. Medical imaging.
24. Mechanisms of visual perception.
25. Dissipative structures and pattern formation in biological systems.
26. Environmental biophysics.
27. Rheology of cell membrane.
28. Education in biophysics.

Funds will be available to help young scientists with travel and accommodation expenses.

For further information and pre-registration forms, application should be made to:

Congress Secretariat,  
8th International Biophysics Congress,  
Meon Conference Services,  
Petersfield,  
Hampshire GU32 3JN,  
United Kingdom.