CENTRE FOR CELLULAR & MOLECULAR BIOLOGY
Hyderabad
(Council of Scientific & Industrial Research)

(A national Centre of the CSIR for basic research in multidisciplinary areas of modern biology, recognized by the Department of Biotechnology (DBT) for its postdoctoral training programme)

ADVERTISEMENT NO. 5/93

POSTDOCTORAL PROGRAMME

Director, Centre for Cellular & Molecular Biology (CCMB), a constituent of Council of Scientific & Industrial Research (CSIR), New Delhi, invites applications from candidates having consistently good academic records and a strong motivation to pursue research in modern biology, for the DBT-sponsored postdoctoral training programme at the Centre for Cellular & Molecular Biology (CCMB), Hyderabad 500 007. Some of the areas of research where the selected postdoctorals can work are:

*Biochemistry and biophysics*

*In situ* spectroscopy, Biological amphiphiles, Membrane organization and dynamics, Lipid–protein interactions, Mathematical modelling of biological processes, Development of fluorescent probes for biological systems, Protein kinases and phosphatases, Peptide–membrane interactions, Secretion of proteins, Nucleic-acid–protein recognition, Higher-order structures in biological macromolecules, Natural product chemistry.

*Molecular biology*

Ribonucleases and RNA turnover, Regulation of gene expression in *E. coli* and yeast, Oncogenes, Retroviruses, Osmoregulation in *E. coli*, Molecular mechanism of hormone action, Molecular mechanism of plant development, Antarctic microbiology, Mechanism of cold adaption, Molecular mechanisms of sex determination.

*Cell biology*

Genetics and evolution

Mechanism of stationary-phase mutagenesis, Slime mold and fungal genetics, Acquired tolerance to antibiotics in microorganisms.

Biomedicine and biotechnology

Molecular aspects of cataractogenesis, Malignant transformation, Drug–nucleic-acid interaction, DNA fingerprinting, Pisciculture, Production of transgenic fish.

Candidates with a Ph.D degree in any area of biological sciences or those with a Ph.D in physical sciences with active interest in modern biological problems are eligible to apply for this programme. Those who have submitted the thesis in the above areas are also eligible to apply. The upper age limit for consideration will normally be 35 years, relaxable in the case of persons employed in universities, teaching colleges or research laboratories. Suitable applicants would be invited to visit the Centre for an interview/personal discussion with the scientists. Selections will be made on the basis of inputs from these discussions.

FINANCIAL ASSISTANCE

The scales for postdoctoral trainees depending upon qualifications and experience are:

- Rs 2200–100–2700
- Rs 2700–100–3200
- Rs 3200–100–3700
- Rs 3700–125–4325

APPLICATIONS

Application forms and other particulars can be obtained from the Controller of Administration, Centre for Cellular & Molecular Biology, Uppal Road, Hyderabad 500 007, by sending a self-addressed stamped (Rs 2.00) envelope of size 28×13 cm. The completed applications should reach the Centre on or before 20 November 1993.

Mere fulfilling of the minimum requirements stipulated in the advertisement would not automatically entitle a person to be called for the interview and the decision of the Centre in regard to the candidates to be called for interview shall be final.

Canvassing in any form and/or bringing in any influence will be treated as a disqualification.