



Saha Institute of Nuclear Physics
(Aided Institute under Department of Atomic
Energy, Government of India)
Sector 1, Block-AF, Bidhannagar, Kolkata 700 064

**JUNIOR RESEARCH FELLOWSHIP IN PHYSICS AND
BIOPHYSICAL SCIENCES (2005–2006 SESSION)**

Applications are invited for admission to the Post M.Sc./Junior Research Fellowship programme in Physics and Biophysical Sciences of the Institute. The Institute conducts fundamental research (theory and experiment) in frontline areas of Physics and Biophysical Sciences such as:

(a) **PHYSICS:** ■ Atomic Physics ■ Condensed Matter Physics ■ High Energy Physics ■ Micro-electronics ■ Molecular Physics ■ Nuclear Physics ■ Plasma Physics ■ Surface Physics (all experimental and theoretical) and ■ General Theoretical Physics.

(b) **BIOPHYSICAL SCIENCES:** ■ Bioinformatics and Molecular Modeling ■ Biomolecular Spectroscopy ■ Cell Biology ■ Genetic Toxicology ■ Macromolecular Crystallography ■ Molecular Biology and Genetics of Diseases ■ Nanomaterials ■ Photochemistry ■ Radiochemistry and Radiation Chemistry ■ Structural Biology ■ Structural Genomics ■ Ultrastructural Research.

Eligibility: (a) Physics: Master's degree in Physics/Chemistry/Applied Mathematics/Electronics/Engineering Sciences (all with Physics and Mathematics at the Bachelor's level) (b) Biophysical Sciences: Master's degree in Biochemistry/Biophysics/Biotechnology/Microbiology/Chemistry/Cry-stallography/Physics (all with any two of Physics/Chemistry/Mathematics at the Bachelor's level).

Candidates currently appearing in their final examinations for the above degrees may also apply.

Admission Test: Admission will be on the basis of academic records and performance in the admission test consisting of a written examination and an interview which will be held in the last week of **May 2005**. The session is to commence in August 2005.

Travel Allowance: Candidates called for the admission test will be reimbursed return second class railway fare from their normal place of residence and will be paid DA as per the rules of the Institute.

The First year of the Fellowship: Selected students have to successfully complete a one-year course, the Post M.Sc. Associateship Course, prior to pursuing doctoral research at the Institute.

Fellowship and Hostel Accommodation: The fellowship is Rs 8000/- for the first two years and Rs 9500/- p.m. thereafter with a fixed book grant of Rs 3000/- after one year. Limited hostel accommodation will be available. Medical benefits and HRA as per rules will also be admissible. First year of the research fellowship covers the Post M.Sc. associateship course at the fundamental and advanced levels including laboratory sessions.

How to apply: Application forms will be available from the Establishment Section between 11.00 am and 5.30 pm. (Monday–Friday) from 7–31 March 2005. To obtain application forms by post, please send a self-addressed stamped envelope of value Rs 5/- (25 cm × 11 cm) Mention, on the top left corner of the envelope, the stream (Ph/Bio) in which you wish to apply. Completed application forms must reach the Establishment Section, SINP by **1 April 2005**. However, electronic application is very much encouraged for which one can go to our website [[http:// www.saha.ac.in](http://www.saha.ac.in)], click onto Post M.Sc. Entrance and follow the appropriate links. One must not employ both the methods.

No. SINP/R/Advt./RF/4/2005

V. V. Mallikarjuna Rao
Registrar