

Department of Physics Indian Institute of Technology, Kanpur

Applications are invited for the post of **Post-doctoral Fellow** (Project Scientist) under a joint Indo-French project entitled. '**Plasmonic properties of checkerboard metallic structures and films**', funded by the Indo-French Centre for Promotion of Advanced Research. The position is tenable for one year and extendable by one more year only upon satisfactory performance. The Post-doctoral fellow will conduct experimental work on developing and making metallic nanostructures with focussed ion beam technology at the Ion Beam facility and measuring the optical properties of the nanostructures. (S)He will need to interface with the French group at the Institut Fresnel, Marseilles, and may be required to work there for short durations.

Essential qualifications: Ph.D. in experimental physics with a reasonable publication record. Candidates whose Ph.D. work was on Optics/Lasers/Ion beam applications in materials science will be preferred. Basic computer skills are essential. NET/GATE scores are desirable. Salary will be in the scale 10,000–1000–22,000 with medical facilities as permissible. Minimum emoluments will be Rs 16,000 per month.

Applications on plain paper, with the curriculum vitae and at least two references, should be sent to the undersigned by **13 October 2008**. Applications sent by e-mail/Fax are also acceptable.

Prof. V. N. Kulkarni OR Dr S. A. Ramakrishna

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BHARATHIDASAN UNIVERSITY

(Accredited with 'A' Grade by NAAC), Tiruchirappalli 620 024



Admission Notification (BARD/DBT/ADMD/08–09)

DEPARTMENT OF BIOTECHNOLOGY, GOVT OF INDIA SPONSORED POST-M.Sc., ADVANCED DIPLOMA IN MOLECULAR DIAGNOSTICS (ADMD)

DBT, Govt of India has recently launched a proposal under Human Resource Development Programme (Training courses for Technologist) to impart training to the post-graduates from various biological disciplines in identified areas of national relevance. Applications are invited from the interested candidates.

Eligibility: PG (M.Sc./M.Tech.) with first class in any branch of life sciences (Botany, Zoology, Biotechnology, Biochemistry, Microbiology, Genomics, Pharmacy, Fisheries and Veterinary Sciences) (50% for SC/ST).

Duration: One year (two semesters) with intensive lab-based curriculum and a project report.

Course contents: Eukaryotic and bacterial DNA extraction, isolation of DNA from different clinical samples, mRNA extraction, cDNA synthesis, PCR based detection of genetic diseases and infectious agents with reference to human health, agricultural and aquaculture. Detection of cancer and stem cell markers, blotting techniques, restriction analysis (RFLP) for polymorphic SNPs and RAPD for diversity analysis, detection of clones and expression analysis, two colour immunofluorescence, HLA tissue-typing and immunoblotting.

Stipend: Selected candidates are eligible for DBT studentship of Rs 5000 p.m. for one year.

Mode of selection: National Level entrance test and as per Central Govt reservation policy.

Last date for application: 13 October 2008.

Submission of application & selection procedure: The application form and prospectus can be had from the University office by payment of Rs 200 (Rs 100 for SC/ST) in the form of DD drawn in favour of '**The Registrar, Bharathidasan University**' payable at Tiruchirappalli. The downloaded application (www.bdu.ac.in) can be submitted along with the application fee to the Course Co-ordinator (DBT-ADMD). Hall tickets will be sent to the eligible candidates both by post and e-mail. The entrance test (question of objective pattern with an emphasis on genetics, molecular biology and immunology) is on **20 October, 11 A.M.-1 P.M.** For further information contact: **Dr K. Balakrishnan**, Course Co-ordinator (DBT-ADMD), Bharathidasan University, Tiruchirappalli 620 024. (O) 00-91-431-240 7086 (Ext: 633).

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