

## Indo-French Postdoctoral Research Position

A post-doctoral position is opened in the field of microfluidics and microfabrication in the group of microsystems and electronics of FEMTO-ST, Besançon, France. FEMTO-ST is a lab associated with CNRS (UMR CNRS 6174) with a staff of approximately 350 with large activity in the field of microsystems, micro- and nano-science and -technology.

The research project entitled '**Microfluidic Systems based on New Smart Polymers**' deals with the exploitation and integration of functional polymer-based nanocomposite materials for microsystems, in particular based on magnetic nanoparticles for microfluidic applications.

### Qualifications of the candidate

Ph.D. in Physics/Electronics/Instrumentation Science with experience in microfabrication and microfluidic/MEMS.

The applicant must be able to work autonomously, which includes surveying the state-of-the-art, devising a research work-programme within the framework of the project and establishing relevant contacts for characterization experiments. He or she is expected to propose original solutions for the design of micro-devices as well as conduct research work in microsystem himself/herself, in particular using clean room microtechnologies. It is mandatory that the candidate possesses good communication skills and scientific reporting skills. He or she also needs to be able to work in a multidisciplinary international team composed of physicists, technologists and chemists.

### Fellowship and application

The postdoctoral position is opened within the framework of a collaborative project between FEMTO-ST, France and University of Pune, India and funded by the Indo French Centre for the Promotion of Advanced Research (IFCPAR). The fellowship is 1850 euros per month and runs until 31 March 2009. **The candidate is expected to join FEMTO-ST, Besançon in France by October 2007. The Candidate must be an Indian citizen** and will report to Dr C. Khan Malek, FEMTO-ST. Interested candidates should send their CV, motivation letter and three recommendation letters (all in English) jointly to: **Dr Mrs S. K. Kulkarni, India** (skk@physics.unipune.ernet.in) and **Dr C. Khan Malek, France** (chantal.khan-malek@femto-st.fr) **on or before 31 July 2007.**

## Coffee Board

### Biotechnology Centre – Unit of Central Coffee Research Institute (Ministry of Commerce & Industry, Govt of India)

Dr S. Radhakrishnan Road, Manasagangothri, Mysore 570 006, Karnataka. Phone: 0821-2543612

Invites applications for the post of Junior Research Fellows and Project Assistant for the following three components of the DBT-sponsored Project Indian Coffee Genome Research Programme with 3 years duration.

Component	Requirement
1. <b>Development of DNA polymorphism database</b>	1 JRF
2. <b>Transcriptional profiling of differentially expressed genes</b>	2 JRFs
3. <b>Analysis of transgene integration and expression of antifungal genes</b>	1 Project Assistant

The applicant should clearly specify the components for which he/she is applying.

**1. Junior Research Fellows:** Fellowship @ Rs 8000 per month for first two years and Rs 9000 per month for the third year. HRA also will be given @ 7.5% per month.

*Eligibility:* M.Sc./M.Sc. (Ag./Hort.) in Biotechnology (Plant) or Plant Breeding and Genetics or Plant Sciences or any related subject from a reputed Institute. Preference will be given to candidates with DBT-sponsored/supported M.Sc. Biotechnology Degrees and also who have qualified in NET. JRFs showing good research progress and aptitude may get Ph.D. registration.

**2. Project Assistant:** Rs 6000 per month fixed.

*Eligibility:* M.Sc./M.Sc. (Ag./Hort.) in Biotechnology (Plant), Plant Breeding and Genetics, Plant Sciences or any related subject.

*Age limit:* Below 28 years.

Apply on plain paper with complete bio-data and a passport size photograph within ten days from the date of this advertisement.

Head of the Division