

Post-doctoral position in LIMMS CNRS/University of Tokyo

Subject: Bio MEMS for Characterization of Individual Bio Molecule

Keywords:

MEMS, NEMS, Bio MEMS, single molecule

Project Description:

The LIMMS (Laboratory of Integrated Micro Mechatronic Systems), which is an international laboratory belonging both to CNRS and University of Tokyo, opens a new postdoctoral position, for October 2006. The recruited post-doctorate will be affected on a new integrated project focusing on the microfabrication, using MEMS technology, of a fluidic device equipped with micro-sensors, for the characterization of single biomolecules. The research will take place in Institute of Industrial Science in the University of Tokyo and will be held in the framework of a LIMMS project conducted by a Professor of the University of Tokyo and with the collaboration of a CNRS researcher. The post-doctorant will be hosted in the Fujita-group which has a technical history in MEMS (microelectromechanical systems) for more than 20 years.

LIMMS has a strong background in the fabrication of bioMEMS which are capable of characterizing a single bio molecule, using therefore femtoliter-chambers (Nature 2005, Nature Biotechnology 2005), advantageously equipped with micro heater (Analytical Chemistry 2005, APL 2006).

Please join us and explore this exciting field combining MEMS and bio science. Clean-room and/or biophysics experience is appreciated but not mandatory. For more detail information of the project and the lab environment, please visit Fujita laboratory homepage at <http://www.fujita3.iis.u-tokyo.ac.jp> and LIMMS home page at <http://toshi.fujita3.iis.u-tokyo.ac.jp/limms/>, where currently 12 French researchers are hosted. Full-time CNRS staff (French speaking) is available with us for supporting your visa application, immigration, and house-hunting.

Salary: equivalent to JSPS post-doctoral salaries

Interested candidates should send their CV and motivation letter to:

Hiroyuki Fujita and LIMMS Direction

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