

Carnegie Mellon

Immediate Positions in Single-Molecule Optics and Biomechanics group at Carnegie Mellon University, Biophysical Chemistry, Pittsburgh, USA

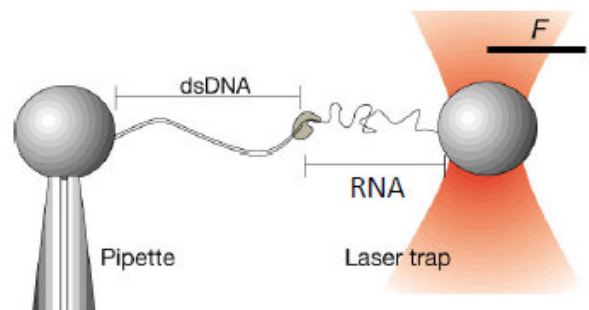
The Single-Molecule Biomechanics group headed by Dr. Maumita Mandal is currently offering several positions to be filled immediately.

1. Full-time or part-time technician position
2. Post-doctoral Associate

A full-time technician position is available immediately in the Mandal laboratory at CMU. We study single-molecule manipulations of DNA, RNA and their complexes in dual beam optical tweezers. The candidate will work on the development and applications of dual-beam counter propagating optical tweezers for force measurements (Smith et al., *Methods in Enzymology*, 2001; Bustamante et al., *Current Opin. Struc. Biol.*, 279, 2000) for single-molecule study. The technician's job will be to assist in our ongoing efforts in the instrumentation of optical tweezers. Desired qualifications include a B.S. or B.A. in physics, applied physics or opto-electronics background with instrumentation skills. Salary will be commensurate with experience.

A full time postdoctoral position is also available in the laboratory. We are seeking a well-qualified, highly motivated and dynamic physicist who wishes to enhance his/her scientific career in the field of Single Molecule Manipulation for the study of biological processes in living cells. The successful candidate will be part of a very active research group working at the interfaces of biomedical engineering, physics, chemistry and biology. Candidates must hold a Ph.D. in physics or biophysics, with a strong optical instrumentation background and a keen interest in developing novel methods at the interface between the Physical and Life Sciences.

Priority will be given to candidates with experience in single-molecule detection techniques, and instrument building skills. Competitive salaries and working conditions will be offered, depending on candidates' profiles.



Applicants for both the positions should send a covering letter stating their suitability for and reasons of interest in the position, together with a full CV and contact details of three referees by mail to Dr. Maumita Mandal at: mandal@cmu.edu. Received applications will be reviewed immediately.

For more information, please contact Dr. Maumita Mandal at mandal@cmu.edu or visit us at <http://www.chem.cmu.edu/groups/mandal/>

Biophysics

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