

DIPARTIMENTO DI FISICA





The Laboratory for Ultrafast Spectroscopy @ Physics Department, University of Rome "Sapienza", I

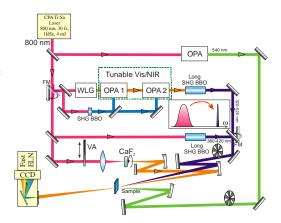
is looking for:

Postdoctoral Fellow in the following area:

Pos. #1: Ultrafast spectroscopy in biomolecules

A Femtosecond Stimulated Raman Scattering setup optimized to exploit resonances in the range 320-520nm is available at our lab. It allows for pump-probe vibrational spectroscopy with time resolution of ~40fs and energy resolution of ~10cm-1. Combined with our sub-picosecond transient absorption setup is an ideal tool to address the dynamics of intermediates involved in chemical reactions induced by an ultrafast optical trigger in biomolecules. Further details can be found in:

http://femtoscopy.phys.uniroma1.it/scopigno/static/RES_ACT/my_papers/OPEX_19_1107.pdf



Initial appointment is for 1 year with possible extension upon mutual consent.

Your profile:

Candidates with hands on background in linear and non-linear optics are encouraged to apply. Previous experience with ultrafast lasers and/or resonance Raman spectroscopy and/or transient absorption and/or biochemistry of heme-proteins is highly appreciated. Excellent communication skills and team spirit are required.

Your task

Prepare and carry out FSRS experiments together with our team. Develop own research in the area of sub picosecond structural dynamics.

For an overview of our current research see:

http://femtoscopy.phys.uniroma1.it/scopigno/index.php/Research-Topics/

Applications (including CV, list of publications and coordinates of at least three referees) should be addressed by email to: Tullio Scopigno, tullio.scopigno@roma1.infn.it (phone +39 06 4991 3314)