



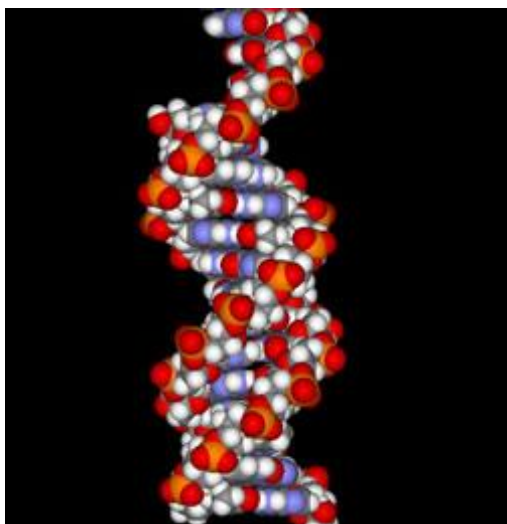
Post-doc
OPENING
on



electronic structure of DNA

A two-year position, at post doc level, is available at the Istituto Officina dei Materiali (IOM) of the Italian Council of Research (CNR) on the IOM start-up project aimed at the determination of the density of states of DNA molecules which involves the preparation and handling of DNA samples.

The successful candidate will have the opportunity to work in the framework of a project funded by the National Research Council which aims at the determination of the density of



of states of DNA molecules. The idea is to apply synchrotron radiation spectroscopy and first-principles calculations to obtain the empty and occupied density of states (DOS) of DNA double- and single-strand molecules in the presence of water and counter-ions.

Both computational and experimental aspects will be treated. The successful candidate will prepare and handle the DNA samples, will actively take part in the acquisition and analysis of spectroscopic data and will collaborate with the theory group in setting properly, by a biochemical point of view, the simulation activities.

Eligible candidates must hold a PhD degree in biophysics, biochemistry, physical chemistry, organic chemistry, molecular biology or equivalent with a specific experience in DNA.

The position is for one year with the possibility of extension for a second year, starting from September to December 2011. Monthly tax free salary is € 1470 according to national regulations. Further information are available at the following websites:

<http://www.elettra.trieste.it/beamlines/BACH/>

<http://www.democritos.it/>

Interested applicants should submit a complete CV including a list of publications by e-mail to:

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