

Postdoctoral position in

‘Towards Quantum Technologies with Ultracold Atoms’

The *ICFO-Institut de Ciències Fotòniques* is a centre based in Barcelona, devoted to the research and education of the optical and photonic sciences, at the highest international level.

ICFO is currently offering a postdoctoral positions to a well-qualified, highly motivated and dynamic young scientist who wishes to enhance her/his scientific career in the field of Theoretical Quantum Physics.

The successful candidate will be working in the group of Prof. Maciej Lewenstein, within the framework of the European Union STREP on Nanodesigning Atomic and MolEcular QUAntum Matter, which is expected to start in January 2009. The project concerns novel areas of physics of ultracold atoms, ions, and molecules for applications in quantum information and quantum metrology. Similar themes are covered by the National Plan project financed by the Spanish MEC entitled ‘Toward Quantum Technologies with Atoms’.

Please, note also that in this project two openings for PhD positions are expected to appear in the beginning of 2009.

Eligibility

Candidates must hold an internationally-recognized PhD (or evidence of its completion in the near future), in a field related to Theoretical Physics and Quantum Optics.

Conditions

The positions are offered for periods of 1 year, renewable prior positive annual evaluation by the supervising Group Leader, Prof. Maciej Lewenstein.

Application procedure

Please, note that interested candidates should send a brief request by e-mail to Prof Maciej Lewenstein (maciej.lewenstein@icfo.es), before applying officially to the vacancy according to the procedure detailed in the following.

Suitable candidates are requested to submit:

- A presentation letter with a declaration of interest,
- A Curriculum Vitae, including full address, a contact phone number and e-mail address,
- A scanned copy of your PhD degree (or evidence of its completion in the near future)
- The contact e-mail of three potential referees.

Applications should be submitted by e-mail to: icfojobs@icfo.es. E-mail submissions must include the mailing label “TOQATA” and your last name printed before the label.

Applications can also be submitted by post to the Screening Committee (Ref. TOQATA).

Candidates should be willing to be contacted by phone during the selection process.

Deadlines

The call will remain open until suitable candidates are identified.

For updated information about ICFO, please visit <http://www.icfo.es/>

Informal enquiries to either: maciej.lewenstein@icfo.es