



Physics Institute of the University of Zurich

**Postdoctoral Position
Experimental Solid State Physics
Superconductivity and Magnetism**

The Physics Institute of the University of Zurich invites applications for a Postdoctoral Position in the field of superconductivity and magnetism.

In recent years the research group *Superconductivity and Magnetism* of the Physics Institute of the University of Zurich has developed and used various experimental techniques, including muon-spin rotation (μ SR), NMR/NQR, ESR, torque and SQUID magnetometry to investigate the magnetic and electronic properties of novel superconductors, such as cuprate high-temperature superconductors and the recently discovered iron based superconductors, as well as related magnetic systems.

The goal of this position is to realize an independent research project in the field of superconductivity and magnetism which complements and extends ongoing research of the group. In particular, interesting projects involving μ SR, ESR, and magnetization studies of cuprate and iron-based superconductors are favored.

The candidate should have a Ph.D. in experimental physics and is expected to be a skillful and original experimenter with a broad and profound background in physics. Experience in μ SR, ESR, superconductivity/magnetism, and low-temperature techniques would be a great advantage, but is not a necessary condition for the position. The experimental work will be performed at the Physics Institute of the University of Zurich and partly at the Paul Scherrer Institute (PSI) in an international team of motivated scientists. The successful candidate would also collaborate with scientists from the Swiss National Science Research Program "*Materials with Novel Electronic Properties*" (MaNEP) and with other international institutions.

The position will be available **October 1, 2010 or later**.

Applications and requests for information should be sent to:

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