

POSTDOCTORAL POSITIONS IN THE ELECTRON PARAMAGNETIC RESONANCE GROUP AT THE NATIONAL HIGH MAGNETIC FIELD LABORATORY

See also: <http://www.magnet.fsu.edu/> and
<http://www.magnet.fsu.edu/usershub/scientificdivisions/emr/overview.html>

The EPR group at the US National High Magnetic Field Laboratory (NHMFL) anticipates hiring two postdoctoral research associates starting in early/mid 2009. The EPR program is currently undergoing an expansion, including the appointment of a new director. The group comprises four permanent faculty-level in-house research scientists who develop high-field instrumentation, assist external users, and conduct their own programs of research. The group also supports several postdocs, graduate students, and visiting scientists. In addition to in-house research and outside collaboration, there is strong interaction with research groups in several departments at Florida State University and other universities in the region, in areas such as condensed matter physics, materials science, chemistry, and structural biology. The EPR program features unique high-frequency spectrometers (operating from X-band up to 900 GHz), and has access to a wide array of magnets suitable for EPR spectroscopy, including the world's highest static field of 45 T. Current research areas include: molecular magnetism, superconductivity, quantum information, metallo-proteins, spin-labeled proteins, and instrument development for high-frequency continuous-wave and time-domain EPR. Future opportunities include the planned development of a THz-Infrared free-electron laser source at the NHMFL.

Minimum qualifications include a Ph.D. in Physics, Chemistry, Biology, or a related discipline. Experience in instrument design/development is desirable. To apply, please send your curriculum vitae, a cover letter describing your experience, and the names and contact information of three references to Professor Stephen Hill, EMR Director, National High Magnetic Field Laboratory, Florida State University, 1800 E. Paul Dirac Drive, Tallahassee, FL 32310-2740, 850-644-0311, fax 850-644-8350; or email hill@phys.ufl.edu. The National High Magnetic Field Laboratory is An Equal Opportunity/Access/Affirmative Action Employer.