Two beamline scientist positions in Berkeley, California

Two positions are available for beam line scientists based at the Advanced Light Source, Lawrence Berkeley National Laboratory, Berkeley, California, to lead the development and exploitation of our high-pressure x-ray diffraction and spectroscopy systems. These beamline scientist positions are funded from the National Science Foundation (COMPRES) until May 2012.

Our core activities center on an x-ray beamline for high-pressure powder and single-crystal diffraction with laser and resistive heating. We also have a high-pressure laboratory with laser heating, Brillouin and Raman systems. Our aim is to build on our current systems to provide the most accurate and reliable high-pressure laser-heating facilities in the world, and we need a highly-motivated and skilled scientist to help us achieve that objective.

The successful candidates will be expected to lead the development of the laser-heating, x-ray diffraction and spectroscopy systems, provide help and advice to in-house and visiting users, and vigorously pursue a program of their own scientific research using the laser-heated diamond-cell facilities.

These positions require a Ph.D. and a proven record of peer-reviewed publications demonstrating independent research. We expect that one position will be ideal for a candidate with a background in x-ray diffraction using diamond-anvil cells, and the other position will be ideal for a candidate with a background in laser heating, spectroradiometry or visible-light optics. Experience with high-pressure diamond-anvil cell techniques involving x-ray diffraction or spectroscopy or synchrotron radiation would also be an advantage.

UC Berkeley and the Lawrence Berkeley National Laboratory provide an outstanding scientific and intellectual environment. In addition, the San Francisco Bay area is renowned for its cultural environment and access to a wide range of outdoor activities. This is a great opportunity for emerging scientists to establish themselves to a high-profile, well resourced, research-focused environment.

These positions are for an initial period of two years, beginning Oct 1, 2007. Salary range is $56,100 – 76,800 depending on experience. Interested parties are asked to contact Simon Clark by EMAIL (smclark@lbl.gov) or by mail (Dr. S.M. Clark, Advanced Light Source, Lawrence Berkeley National Laboratory, MS6R2100, 1 Cyclotron Road, Berkeley, CA 94720-8226) by October 31, 2007 (late applications will not be accepted) attaching a resume, and a statement of technical and research interests. Informal enquiries are also welcomed by EMAIL or telephone (510 495-2442).

The University of California, Berkeley, is an Affirmative Action Employer/Equal Opportunity Employer.