

## **Two beamline scientist positions at the Advanced Light Source, Berkeley, California.**

Positions are available for two beam-line scientists 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 facilities. These positions are funded by 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 two highly-motivated and skilled scientists to help us achieve that objective.

The successful candidates will be expected to lead the development of the laser-heating 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.

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 in a high-profile, well resourced, research-focused environment.

Interested parties are asked to contact Simon Clark by EMAIL ([smclark@lbl.gov](mailto:smclark@lbl.gov)) attaching a resume, and a statement of technical and research interests. Informal enquires are also welcomed by EMAIL or telephone (510 495 2442).