

PhD in chemical crystallography

A PhD position in chemical crystallography is available at the University of Bern (Department of Chemistry and Biochemistry), in the group of PD Dr. Piero Macchi.

The PhD project focuses on organic/organometallic solids, with the purpose of correlating optical properties with electron density distribution. In particular, polymeric materials matching high refractive index and optical transparency will be investigated.

The research involves X-ray diffraction, using laboratory and synchrotron radiation sources, optical measurements, and theoretical modeling with *ab initio* quantum mechanical techniques.

The Candidate

The ideal candidate holds a Master of Science in Chemistry or Physics, with a solid background in solid-state physical chemistry. Experience with X-ray diffraction or Computational Chemistry would be an asset, but it is not mandatory.

The candidate should be fluent in English. Knowledge of German is an asset.

The Position

The candidate will attend the PhD School of Chemistry and Molecular Science at the University of Bern. The salary scheme is extremely competitive.

The position is available immediately and applications are welcome until the position is filled.

A detailed CV and names of at least two scientists for reference should be sent to:

Piero Macchi,
Department of Chemistry and Biochemistry,
University of Bern,
Freiestrasse 3,
CH-3012 Bern (Switzerland),

or in electronic format to

piero.macchi@dcb.unibe.ch