

# 11<sup>th</sup>

PSI Summer School 2012



PAUL SCHERRER INSTITUT

# Imaging Life and Matter – using photons, neutrons and muons

**Lectures:** August 11–17, 2012

Institut Montana, Zugerberg, Switzerland

**Registration:**

[www.psi.ch/summerschool](http://www.psi.ch/summerschool)

Contact: [zug2012@psi.ch](mailto:zug2012@psi.ch)

Deadlines: Grant application: April 30, 2012

Registration: June 30, 2012

## Selection of invited speakers

**External experts:** Jose Baruchel, ESRF; Jaap Boon, FOM Institute AMOLF, Amsterdam; Robert Feidenhans'l, Niels Bohr Institut; Arturo Menchaca, Instituto de Física, UNAM; Ralph Müller, ETHZ; Ian Robinson, UCL; Gerd Schneider, HZB; Helen Walker, ESRF/DESY; Kurt Wüthrich, ETH/IMB

**PSI experts:** Pierre Boillat, Christian Grünzweig, Manuel Guizar-Sicairos, Takashi Ishikawa, Anders Kaestner, Joachim Kohlbrecher, Eberhard Lehmann, Rajmund Mokso, Frithjof Nolting, Bill Pedrini, Thomas Prokscha, Julia Repper, Jochen Stahn, Marco Stamparoni

## Scope

The PSI summer school 2012 is dedicated to the fascinating and growing field of **imaging experiments** at large scale facilities. International experts and PSI staff members will introduce and deepen your knowledge about real space imaging from life to materials sciences. Not only methods like tomography, phase contrast imaging or image processing but also diffractive and spectroscopic imaging and reflectometry will be covered.

Evening lectures will draw the attention to applications of imaging techniques in further high-impact fields of science like medicine, cultural heritage or astronomy.

Following the school a practical training is offered at PSI. It will allow a limited number of participants to get hands-on experience with state-of-the-art instrumentation using photons, neutrons, and muons.



**Practical Training:** Photons, Muons, Neutrons  
August 18–20, 2012  
Paul Scherrer Institut, Villigen, Switzerland