

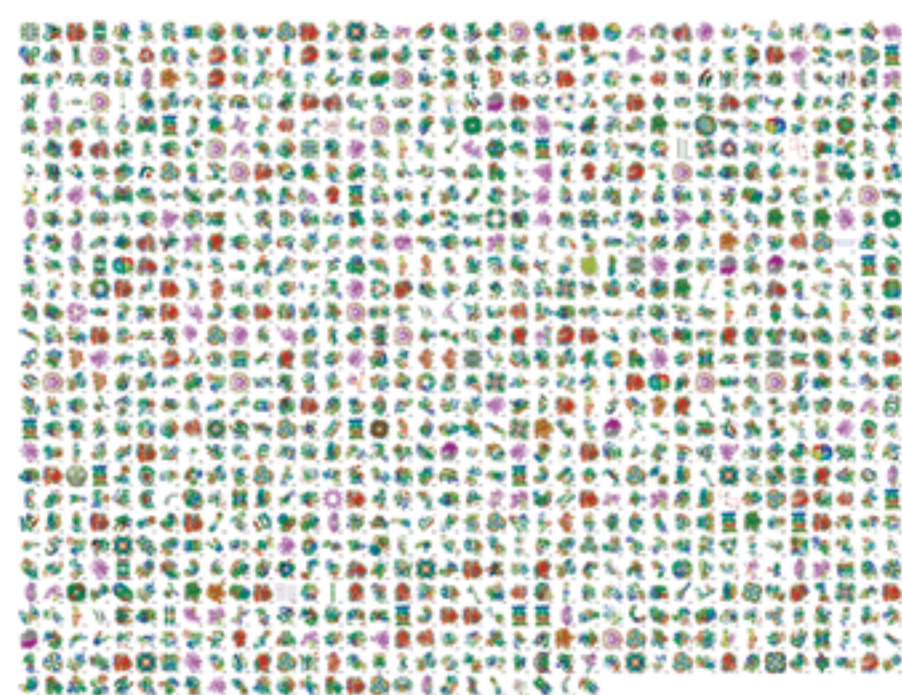
EDITORIAL



Dr. Christoph Quitmann, head of the Laboratory for Synchrotron Radiation at the Swiss Light Source, will become the new director of the MAX IV Laboratory in Lund, Sweden. Christoph Quitmann's research fields are nano-magnetism, ultrafast magnetic phase transitions and synchrotron instrumentation. Christoph Quitmann started working at the MAX IV Laboratory on 1 August. During a transition period he will keep some assignments at Swiss Light Source.

We congratulate Christoph Quitmann on this appointment and thank him for the excellent collaboration. We are wishing him all the best for the challenging work at Max IV Laboratory.

ANNOUNCEMENT



More than 1000 protein structures solved at SLS

After 11 years of SLS operation more than 1000 protein structures have been solved and deposited using data measured at the beamline X06SA. The PSI PILATUS pixel detector and availability of high brilliance and fully tunable micro-focusing beam contributed to the success of this beamline.

RESEARCH HIGHLIGHT



The researchers Claudia Cancellieri (left) and Mathilde Reinle-Schmitt at the experimental station.

Controversy clarified: Why two insulators together can transport electricity

M.L. Reinle-Schmitt et al.; Nature Communications:
[DOI: 10.1038/ncomms1936](https://doi.org/10.1038/ncomms1936)

How can two materials that do not conduct electricity create an electrically conducting layer when they are joined together? Since this effect was discovered in 2004, researchers have developed various hypotheses to answer this question – each with its own advocates, who defend it and try to prove its validity. Now, an international team under the leadership of researchers at the Paul Scherrer Institute has probably settled the controversy. They have shown

that it is the combination of the properties of both materials that produces the effect, and therefore disproved an alternative hypothesis, which proposes that the materials mix at the interface to create a new, conducting material

Read more on: <http://www.psi.ch/num/scientific-highlights>