



### **Kajsa Sigfridsson Clauss, PhD**

Beamline scientist at the Balder beamline, MAX IV Laboratory, Lund University, Sweden

She is hard X-ray spectroscopist scientifically interested in metals in biology and in particular metallo-enzymes, and have been working at MAX IV since 2012. After the master in molecular biology from Lund University, and the PhD in Chemistry (Molecular Biomimetics) from Uppsala University in the group of Prof. Styring, with research focused on the natural photosynthesis in particular the water-splitting intermediates in Photosystem II. X-ray spectroscopy became the main technique after three intense postdoc years, investigating several biocatalyst (enzyme) systems with XAFS and XES at the Department of Experimental Physics, Freie Universität Berlin, Germany, in the group of Dr. M. Haumman/Prof. H. Dau. Returning to Lund, she started to work at the XAFS beamline I811, MAX-lab, serving a broad user community. Since 2016, as part of the Balder team, she has been building, commissioning and operating Balder with emphasis on sample environments for radiation sensitive samples (cryostat and microfluidics). She is presently heading a team for developing a microfluidic flowcell platform (AdaptoCell) for studies of proteins to MAX IV users at Balder/CoSAXS/MicroMAX. Magnus Larsson

MAX IV Laboratory is a Swedish national laboratory providing scientists in academia and industry with the most brilliant X-rays for research.

Magnus Larsson is working as Head of Industrial Relations at MAX IV with the task of opening up the facility for industrial research. He has his background in chemical engineering and a Ph.D. in transmission electron microscopy and nanotechnology. He has previously been working with development and commercialization of a solid oxide fuel cell technology at Topsoe Fuel Cell in Denmark.