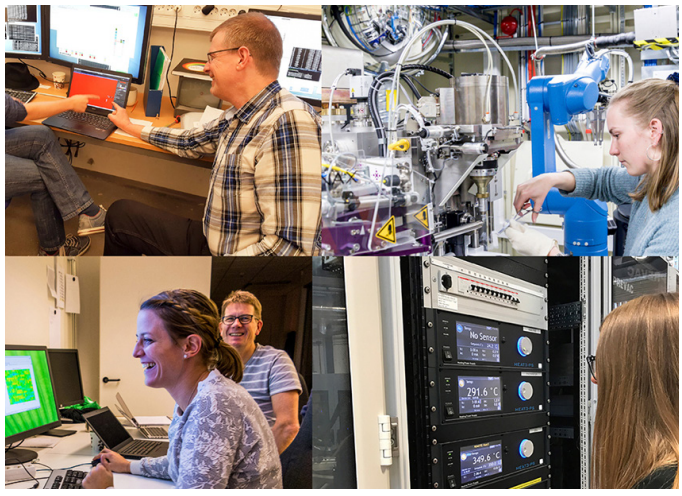
Call for proposals

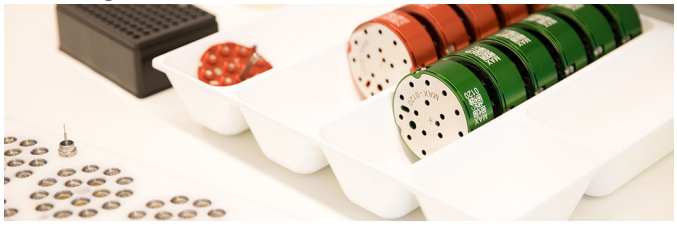


Seven soft X-ray beamlines and three hard X-ray beamlines are receiving proposals for the period March 2020 to August 2020.

Beamtime is available for structural biology, spectroscopy, nano science and chemistry. BAG proposals are available in structural biology and for the period March 2020 to February 2021.

Read more and apply for beamtime here!

Collaboration develops sensitive data protocol

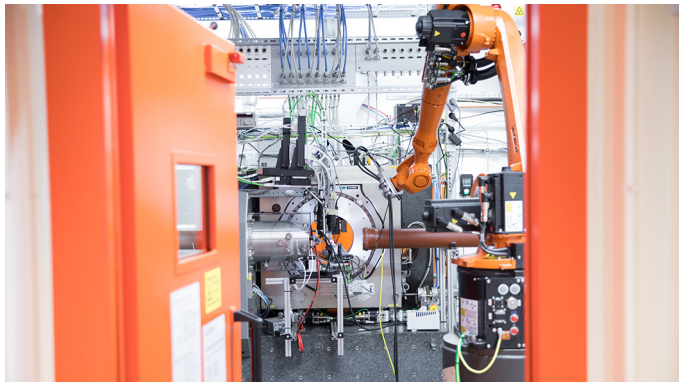


MAX IV pairs up with Sprint Bioscience, a listed drug development company, in a new project to improve how companies can benefit from new, faster X-ray fragment screening experiments, while still protecting their valuable information during analysis at FragMAX. Recently, the project was granted with 500 000 SEK from Sweden's innovation agency Vinnova.

"Using X-ray diffraction methods for fragment screening at MAX IV saves a lot of time. Companies come with maybe 100–200 samples per experiment, and we can analyse them over a couple of days instead of months," says Gustavo Lima, beamline scientist at the BioMAX beamline.

Read the full story here!

Focused on coherence at NanoMAX



Researchers from Institute for X-ray physics at the University of Göttingen and MAX IV Laboratory have characterized the focal spot size and coherence properties of the X-ray beam at one of the two experiment setups at NanoMAX using a 35 nm wide, square X-ray waveguide as a slit.

In a waveguide, the light is guided along a material with a higher refractive index surrounded by a material with a lower refractive index. An example for visible light is an optical fiber.

The focus was determined by observing the X-ray intensity transmitted through the waveguide as it was scanned through the beam. The beam size could be focused down to 56 nm, measured at full width half maximum in the horizontal direction.

Read the paper here!

31st MAX IV User Meeting

FASM, the MAX IV user organisation, and the MAX IV laboratory welcome existing and future users to the 31st MAX IV User Meeting (UM19). This years theme is **Developing MAX IV: with the users, for the users**. The user meeting will cover facility updates, plenary talks, poster session, vendors exhibition, poster clips, the MAX IV thesis and student poster awards, users highlight and many mingle opportunities.

All practical information can be found here!