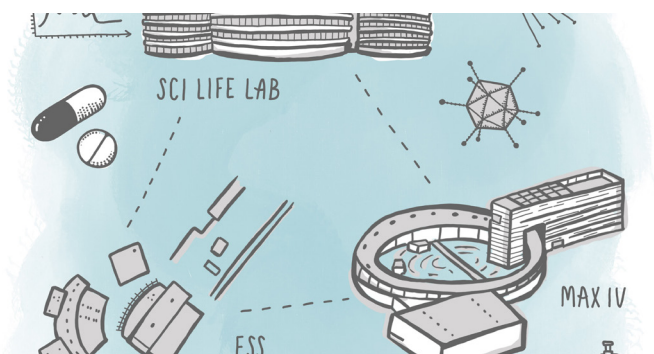


MAX IV & partners poised to innovate life science sector



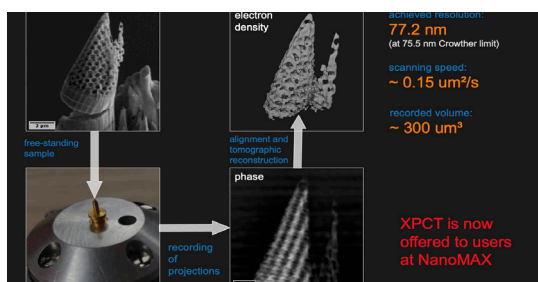
MAX IV, together with Science for Life Laboratory (SciLifeLab) and the European Spallation Source ERIC (ESS), form the joint Science Hub InfraLife, Infra Access for Life Science Sweden. Recently launched, InfraLife supports Sweden's national investments in large-scale research infrastructure. [Read the full story](#)

Phosphate as an arsenic mobiliser in diverse soils



Phosphate outcompetes arsenate, a form of arsenic, for sorption in aluminium-rich oxides according to scientists at the Swedish University of Agricultural Sciences (SLU). Their study holds important implications for management of arsenic contamination in soils and groundwater. [Read the full story](#)

A coherent approach to 3D X-ray microscopy

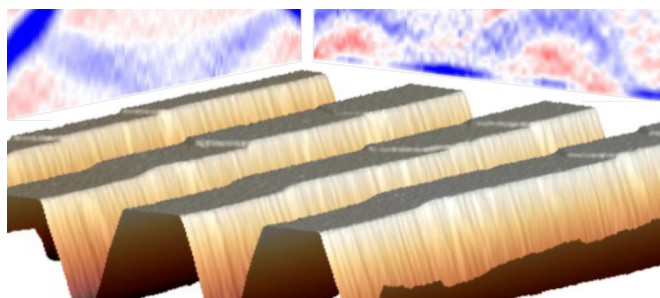


In a recently published paper, Swedish and American researchers describe the first ptychographic X-ray computed tomography experiment performed at NanoMAX beamline. A porous nickel inverse opal structure was successfully imaged in three dimensions with a resolution of 37.3 nanometres.

[Read the full story](#)

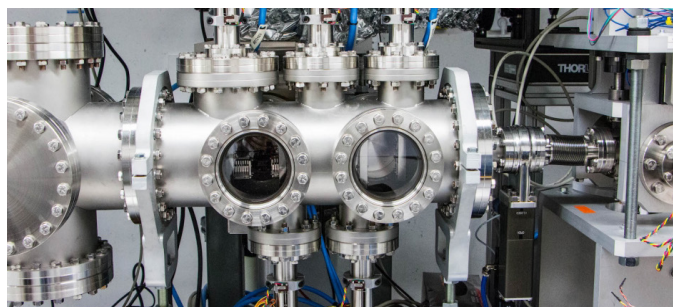


Not your average Christmas ribbon— graphene nanostructures



In a study conducted at Bloch beamline, the complete band structure of one-dimensional graphene nanoribbons was mapped for the first time using ARPES. The nanoribbons, grown on a substrate that is suitable for upscaling, have a width dependent bandgap important for device integration. [Read the full story](#)

The fruitfly of ultrafast X-ray science is breathing just fine at FemtoMAX



The FemtoMAX beamline team has successfully conducted their first time-resolved experiment with the MAX IV linac operating in 10 Hz mode. The group has been working toward this goal since 2015. [Read the full story](#)

SCIENTÍFika seminar series

Join us again this autumn for the re-launch of MAX IV's [SCIENTÍFika series](#). We look forward to offering you more research topics and engaging discussions with speakers.

