FKKT | UNIVERZA V LJUBLJANI
Fakulteta za kemijo in kemijsko tehnologijo

VABILO NA PREDAVANJE
V OKVIRU DOKTORSKEGA ŠTUDIJA
KEMIJSKE ZNANOSTI / INVITATION TO THE
LECTURE WITHIN DOCTORAL PROGRAMME IN
CHEMICAL SCIENCES

Dr. Tim Gruene

Core Facility Crystal Structure Analysis
Faculty of Chemistry, University of Vienna

z naslovom / title:

Crystal structure determination with electron diffraction

v sredo, 11. 11. 2026 ob 15. uri
v predavalnici 1 v 1. nadstropju Fakultete za kemijo in kemijsko tehnologijo, Večna pot 113 ***/***
on Wednesday, 11. 11. 2026 at 15.00
in lecture room 1, 1st floor at the Faculty of Chemistry and Chemical Technology, Večna pot 113

Vljudno vabljeni! / Kindly invited!

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Abstract:

The beauty of crystals has long been recognised, and master pieces of jewelry and decorations would look less exciting without them.
Scientifically, the beauty of crystals lies in the possibility to make atoms visible, even though they are smaller than the wavelength of light and thus hide from any microscope.
This presentation will explain how crystals reveal the three-dimensional dimensional arrangement of atoms and explain the composition of compounds and materials. From functional materials to pharmaceuticals and medication, the crystal structure is the starting point for understanding chemistry and for fine-tuning their properties. You will learn what difference it makes whether to probe crystals with X-rays, with a neutron beam, or with an electron beam.