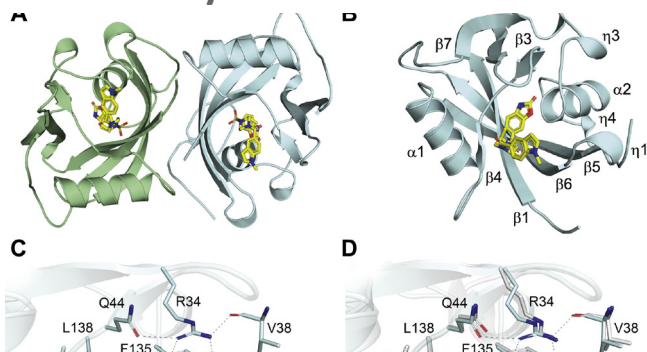


Structures of NUDT15 variants discovered — key for cancer treatments



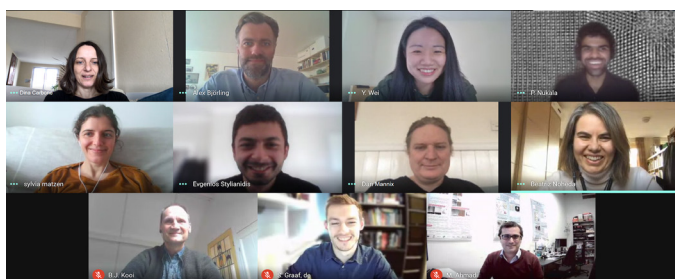
Researchers successfully developed a specific NUDT15 inhibitor, TH7755, that helped to obtain structures of clinically relevant NUDT15 variants. The insights advance knowledge of thiopurine intolerance in patients with NUDT15 mutants, which can be applied towards clinical treatments. [Read the full story](#)

COOL sustainability more than a pipe dream in Lund



In Lund, the build project for the world's largest low temperature district heating (LTDH) grid is nearing completion. The network upgrade will deliver heat sustainably to Brunnsög, a new city district currently being built, with accommodations for 40,000 people projected by 2050. [Read the full story](#)

Oxygen cycling reveals path to next-generation ferroelectric devices



New findings from the University of Groningen define the key role of oxygen for greater miniaturization potential and structural stability beyond that of standard ferroelectric materials used in low-power memories. Work at NanoMAX beamline contributed to characterization of polarization in thin films of hafnium zirconium oxide. [Read the full story](#)



New bluelining robot at MAX IV has the SAM team's back



A bluelining robot is invented at MAX IV, bringing the Survey, Alignment, and Mechanical Stability (SAM) team one step closer to automating the floor-marking process for equipment installation. It is promising progress for eliminating the manual, labor-intensive, and time-consuming process. [Read the full story](#)

Riverine iron survives salty exit to sea



A Lund University study in Biogeosciences characterizes the role of salinity for iron-loading in estuarine zones, a factor which underpins intensifying seasonal algal blooms in the Baltic Sea. [Read the full story](#)

SCIENTÍFika seminar series

The MAX IV [SCIENTÍFika series](#) welcomes you back to the programme in January 2022 for new guest speakers and topics. Please find the updated schedule on the MAX IV website.

