



Single Crystal X-ray Diffraction Workshop in Poland

By *Martin Adam, SC-XRD Product Manager, Bruker AXS GmbH, Karlsruhe, Germany*

More than 30 users from Poland and neighboring countries, all working in the field of small molecule and protein crystallography, accepted Prof. Michał Cyrański's invitation and participated in a two-day workshop on single crystal X-ray diffraction held in Warsaw.

The free-of charge event took place on October 26-27, 2017 in the Biological and Chemical Research Centre at the University of Warsaw, Poland, where a [D8 VENTURE](#) with a [PHOTON II detector](#) has been successfully applied to studies over the past couple of years.

Dr. Tobias Stuerzer from the Bruker AXS SC-XRD team conducted the workshop. Practical aspects of



SC-XRD experiments, such as sample selection and download opportunities for software updates, were discussed. Some of the attendees were “old hands” and lively discussions immediately spun-off on new topics, such as strategies on twin handling and the treatment of modulated samples. In the familiar atmosphere of the workshop, data sets ranging from easy-to-handle samples to challenging structures — including disorder and multi-domain twinning — were processed and solved. In small groups, attendees got introduced to the workings of [APEX3](#) and [PROTEUM3 software](#). Newcomers and experts alike were impressed by the enormous potential of Bruker crystallographic software suites and the many options offered to optimize processing of problematic samples.

The attendees also very much enjoyed the hands-on sessions as these provided the opportunity to convert theoretical knowledge into practical experience.

The evening dinner, sponsored by our local partner [Labsoft](#), provided the perfect environment to address individual questions but even more to establish new friendships and reestablish existing ones. Given the excellent atmosphere in which the workshop took place it should not be a surprise that within the group the strong wish came up to more regularly meet within the Polish SC-XRD family.

We want to thank Prof. Michał Cyrański for organizing and hosting this engaging workshop.