

Press Release

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The January 2019 edition of the *Crystallography Times* newsletter is now online

Crystallography Times vol. 11, No. 1 from Rigaku Oxford Diffraction, focusing on single crystal X-ray diffraction, is available from the company's website.

January 29, 2019 – The Woodlands, Texas. The latest edition of [Crystallography Times](#) from [Rigaku Oxford Diffraction](#) has been published and is available to view on the company's global website.

Crystallography Times is an electronic newsletter designed to update the scientific community about topics pertaining to protein and small molecule crystallography, including breakthroughs from top research institutions around the world. Recent articles, research papers and methods utilizing X-ray diffraction (XRD) and its applications in protein and small molecule (chemical) crystallography are also presented.

“Crystallography in the News” is a monthly feature that brings together the latest news and developments from around the world about small molecule and protein X-ray diffraction and highlights the newest research findings and advancements. Among the featured news stories is an article about the use of structural models to help researchers understand how viruses assemble, infect and propagate within their hosts, and how some aspects of these models may not be entirely realistic. Another news story reveals a new class of complex folding molecules that emerge spontaneously without evolution or design by scientists.

The Product Spotlight showcases the [Rigaku XtaLAB Synergy-R](#) high-flux rotating anode X-ray diffractometer. The system, based around the PhotonJet series of microfocus sources, is the most powerful diffractometer available for structural analysis of small molecule samples and features Rigaku's Hybrid Photon Counting detector (HPC), the [HyPix-6000HE](#).



Rigaku XtaLAB Synergy-R high-flux rotating anode X-ray diffractometer

In each issue, the “Lab in the Spotlight” section highlights a different laboratory from the global community of X-ray diffraction facilities. This month’s edition presents [RIKEN Center for Emergent Matter Science Materials Characterization Support Team](#) which provides research support in structural chemistry and materials science by means of X-ray crystal structure analysis, electron microscopy, and elemental analysis to the Rikagaku Kenkyūjyo Center for Emergent Matter Science.

A selection of thirteen recently published scientific papers, a schedule of upcoming events, book reviews, and the Video of the Month, showing a composite of images from New Horizons probe approaching Ultima Thule, the farthest object mankind has visited, are also included

Crystallography Times, published monthly, also offers access to the Rigaku Oxford Diffraction [user forum](#). Readers can subscribe to the newsletter or view the current issue online at <https://www.rigaku.com/subscribe>.

About Rigaku Oxford Diffraction (ROD)

ROD was formed as the global single crystal business unit of Rigaku Corporation after the acquisition of the former Oxford Diffraction organization from Agilent Technologies in 2015. ROD is a leader in the field of single crystal analysis, both in the field of chemical crystallography as well as well as macromolecular crystallography. Formed in 1951, Rigaku Corporation is a leading analytical instrumentation company based out of Tokyo, Japan.

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