

# Press Release

## The May 2018 edition of the *Crystallography Times* newsletter is now online

*Crystallography Times* vol. 10, No. 5, from Rigaku Oxford Diffraction, focusing on single crystal X-ray diffraction, is available from the company's website.

**May 29, 2018 – The Woodlands, Texas.** The latest edition of [Crystallography Times](#) from [Rigaku Corporation](#) has been published and is available to view on the company's global website.

*Crystallography Times* is a monthly electronic newsletter concentrating on single crystal X-ray diffraction, published by [Rigaku Oxford Diffraction](#) (ROD). It serves the X-ray analysis community by presenting the latest news and crystallographic research.

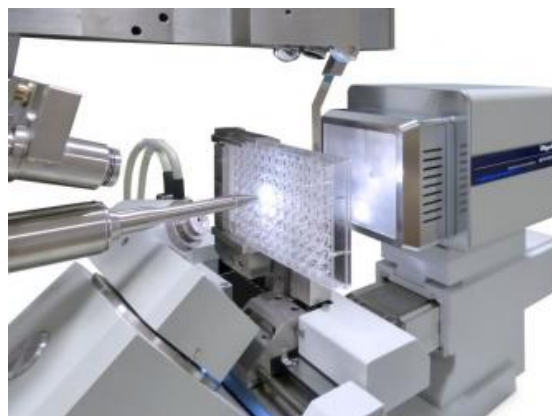
“Crystallography in the News” is a monthly feature that brings together the latest news and developments from around the world about small molecule and protein X-ray diffraction and highlights the newest research findings and advancements.

Featured news stories include reports about the commercialization of a new method for determining the crystal structures of organic salts—which make up 40% of all advanced pharmaceutical ingredients—which could accelerate the drug development process.

Another news item reports on the use of X-ray crystallography by researchers at the University of Washington School Of Medicine in a study that reveals how hypokalemic periodic paralysis—a rare genetic disorder in which people experience sudden, profound muscle weakness—is caused by a hole in a membrane protein that allows sodium ions to leak across cell membranes

The Product Spotlight in the current issue features the [Rigaku XtalCheck system](#), an automated tool for performing *in situ* crystallography experiments on any Rigaku X-ray diffraction system.

Protein crystallography often requires screening large numbers of crystals to identify samples that are suitable for X-ray diffraction experiments. The XtalCheck system addresses this bottleneck by automating diffraction data collection for crystals directly from SBS-format crystallization plates.



**Rigaku XtalCheck automated *in situ* crystallography system**

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 highlights the School of Pharmaceutical Science and Technology at China’s Tianjin University and the school’s research combining synthetic and physical organic chemistry with emphases on pharmaceutical, material, and life science.

A view of living cells inside the body, captured by cutting edge microscopy, is featured in the Video of the Month, which presents an imaging technique capable of capturing 3D video of cells at work in unprecedented detail.

Recently published scientific papers, a schedule of upcoming events, a book review, and access to the Rigaku Oxford Diffraction [user forum](#) are also included.

*Crystallography Times* is published monthly. 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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