

## April 2017 issue of Crystallography Times featuring the latest crystallographic news is now online

*Crystallography Times Vol. 9, No. 4 from Rigaku Oxford Diffraction features current news on crystallography, and is available from the company's website*

**May 5, 2017 – The Woodlands, Texas.** The April 2017 edition of the [Crystallography Times](#) newsletter from [Rigaku Oxford Diffraction](#) is now available to view on the company's global website. The newsletter is designed to update the scientific community about topics pertaining to protein and small molecule crystallography, including breakthroughs from top research institutions around the world. It features current articles, research papers and methods utilizing X-ray diffraction ([XRD](#)).

The newest issue presents the latest relevant news stories, including a report on research to improve the way we grow crystals on Earth being conducted on the international Space Station, the analysis of a mechanism that protects biomolecules such as DNA against damage by light and much more. The [Rigaku Oxford Diffraction LinkedIn group](#) is also highlighted as an additional avenue to share information and foster discussion about X-ray crystallography and small angle X-ray scattering ([SAXS](#)) topics.

The Product Spotlight showcases the [Rigaku XtaLAB FR-X](#) single crystal diffraction system with microfocus rotating anode generator. The XtaLAB FR-X system includes a VariMax optic coupled with the FR-X rotating anode generator. The FR-X is the most intense home lab X-ray source in the world, and enables data collection on the widest range of protein crystal samples. It delivers 2.5 times higher flux compared to the MicroMax-007 HF rotating anode generator but shares the same microfocus 70  $\mu\text{m}$  focal spot size. When coupled with



**Rigaku XtaLAB FR-X system with VariMax optic coupled with the FR-X rotating anode generator.**

Rigaku's VariMax optics, the FR-X delivers the highest brilliance for any commercially available rotating anode. As a result, it is possible to collect diffraction data for samples where no diffraction can be seen using a conventional rotating anode or sealed tube source.

Crystallography Times is published each month. Readers can subscribe to the newsletter or view the latest 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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