

Press Release

The June 2019 edition of the *Crystallography Times* newsletter is online

Crystallography Times vol. 11, No. 6, from Rigaku Oxford Diffraction, focusing on single crystal X-ray diffraction, is available from the company's website.

June 25, 2019 – The Woodlands, Texas. The newest edition of *Crystallography Times* from Rigaku Corporation has been published and is now available on the company's global website.

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

"Crystallography in the News" is a monthly collection of the latest news and developments, highlighting the latest research findings in small molecule and protein crystallography and X-ray diffraction from around the world.

One article reports on the identification by a team at Memorial Sloan Kettering of a new strategy for inhibiting RNA-binding proteins, which play a role in many cancers. The research was possible due to collaboration among many different experts at MSK, including the head of MSK's X-Ray Crystallography Core Facility.

Another news item highlights the new partnership between Rigaku and Merck KGaA, Darmstadt, Germany, to develop lab consumables based on crystalline sponge technology, which determines the absolute chemical structure of organic molecules and enables X-ray crystallography without crystallization of the analyte.

The *Product Spotlight* in the current issue features the [Rigaku XtalCheck system](#) an automated tool for performing *in situ* crystallography experiments on an existing X-ray diffraction system. The XtalCheck system addresses the bottleneck of mounting and screening large numbers of samples by automating diffraction data collection for crystals directly from Society for Biomolecular Screening (SBS) format crystallization plates.



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

The latest issue also includes the “Lab in the Spotlight” feature, this month highlighting The University of Alabama-Tuscaloosa, which recently took delivery of a [Rigaku XtaLAB Synergy-DW Cu/Mo](#). The instrument will be used for diffuse scattering experiments on molecules and materials and for solving the structure of proteins and other large biomolecules. Beyond UA, it will be a resource for regional colleges and universities and be used heavily in teaching.

The new book review covers [The Universe Speaks in Numbers: How Modern Math Reveals Nature's Deepest Secrets](#) by Graham Farmelo. The book presents a concise version of the history of the relationship between mathematics and physics.

Also included are 22 recently published scientific papers, a schedule of upcoming events, and access to the Rigaku Oxford Diffraction [user forum](#).

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.

For further information, contact

Michael Nelson
Rigaku Global Marketing Group
tel: +1. 512-225-1796
michael.nelson@rigaku.com

###