Press Release

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The November 2018 edition of the Crystallography Times newsletter is now online

Crystallography Times vol. 10, No. 11, from Rigaku Oxford Diffraction, focusing on single crystal X-ray diffraction, is available from the company's website.

November 28, 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, serving 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. Among the featured news stories is a report about an unusual polymorph of nitrogen, one of the most abundant elements on Earth, that has been observed in the laboratory and its structure determined by X-ray crystallography. An international team used a diamond anvil to apply 500 atm to the element nitrogen while heating it to 500°C.

Another news item features on an investigation by an international team of researchers of how a mutation in the gene that encodes the Filamin A protein causes heart valvular disease to develop at the molecular level. The researchers determined the protein structure of the mutated fragment by X-ray crystallography.

The Product Spotlight in the current issue highlights customized optimization reagents from Rigaku Reagents. These formulations for optimization help achieve favorable crystallization conditions to save time, conserve materials, and improve both accuracy and precision in preparing solutions and reagents.

Each month, the “Lab in the Spotlight” section highlights a different laboratory from the global community of X-ray diffraction facilities. This month’s edition presents the Savvas Savvides Lab at Vlaams Instituut voor Biotechnologie (VIB), a life sciences research institute, based in Flanders, Belgium. It relates to the newsletter’s featured video, which describes a novel way to block immunosuppression in cancer with work done in part by the Savvas Savvides Lab.

Crystallography Times is published monthly and also features recently published scientific papers, a schedule of upcoming events, a book review, and 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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