

Rigaku Oxford Diffraction (ROD) is new provider of single crystal instrumentation to SSCI

Rigaku Oxford Diffraction (ROD) is pleased to add SSCI, a Division of Albany Molecular Research, as a new member of their rapidly growing customer base for single crystal instrumentation

April 20, 2016 – The Woodlands, TX. SSCI, a Division of Albany Molecular Research, located in West Lafayette, Indiana USA, and a leader and innovator in the field of cGMP solid state chemistry research and analytical services has taken delivery of a [Rigaku Oxford Diffraction SuperNova single crystal diffractometer](#). This acquisition expands the in-house capabilities of SSCI to include single crystal analysis, a technique that is of increasing importance in the field of structural characterization of pharmaceutical-related chemicals.

Of particular interest to this area of analytical services is the new feature, WIT, or “What Is This?” If the initial diffraction pattern indicates that you have a single crystal, the SuperNova collects a rapid data set, indexes the cell, determines if it has been previously published (by searching the Cambridge Structural Database) and simultaneously attempts to solve the structure. For well diffracting crystals, it is possible to collect data, process it and see the atomic connectivity in one or two minutes. WIT relies on parallelized data collection and data reduction threads as well as the new AutoChem pipeline. The speed of this new feature competes well with techniques such as NMR for structure elucidation.

“We are so pleased to play a part in expanding SSCI’s in-house analytical capabilities,” said Dr. Paul Swepston, general manager of Rigaku’s ROD business unit, “The opportunity to support one of the world’s leaders in pharmaceutical analytical services is a great privilege for us.”

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.