Advancing Drug Development and Discovery: How RCH Solutions' Unique Managed Services Model Helped Sanofi Improve its Specialty Computing Environment

Challenge

Enhancing Collaboration and Agility Within its CADD Group

The Computer Aided Drug Design (CADD) group of Sanofi was in transition from a staff augmentation support model to a more appropriate Managed Services approach in order to support its dynamic environment.

The challenge was how to shift from a fragmented, siloed business to an integrated, agile, cross-functional, and self-sustained group in order to more effectively advance science. Sanofi also had a need to take full advantage of an approach where skills and associated experience could be allocated on an as-needed basis.

Business groups affected by this included CADD, Computational Chemistry, Molecular Modeling, and Structural Biology.

Solution

Strategic and Tactical Support from a Trusted Partner

Sanofi IT had worked successfully with RCH for a number of years in support of scientific computing, including support of systems, applications, and workflows. The CADD group wanted to append this successful model to now include both emerging areas such as Big Data, Cloud and Data Analytics, as well as the resources needed to support this initiative. If successful, they will have taken the next step toward the fully integrated, agile and, self-sustained business unit.

RCH delivered an experienced team with thorough knowledge of computational chemistry disciplines, ligand and structure-based drug design, modeling, ADMET physical and chemical property prediction, back-screening, and pathway analysis.

RCH worked directly with the internal IT staff, research scientists, and application vendors to provide the optimum scalable solution for this highly visible, dynamic environment. The projects included important application testing from a variety of sources, a comprehensive plan, with clearly stated deliverables, and a fully accountable partner.

A combined strategic and tactical approach to specialty computing for CADD initiatives was unique to a company in need of a proven approach. However, the model had been proven out by other global pharmaceutical companies with similar challenges and goals.

About Sanofi:

Sanofi is dedicated to supporting people through their health challenges as a global biopharmaceutical company focused on human health. With more than 100,000 people in 100 countries, Sanofi is transforming scientific innovation into healthcare solutions around the globe.

This case study outlines how RCH Solutions enabled Sanofi to move toward its goal of creating a scalable, flexible and agile model within its Computer Aided Drug Design (CADD) group through scientific computing expertise and support.

A Scalable, Flexible, Agile Team Poised for Discovery and Development

RCH was able to deliver to the Sanofi CADD group a more comprehensive managed services model that included Chemistry, Data Management, Data Sciences, and Bio-IT skills to meet the expanding research needs of Sanofi R&D. The result for Sanofi was a more scalable, flexible and agile team model consistent with scientific initiatives to continuously improve the drug discovery and development process.

About RCH Solutions

RCH Solutions (RCH) is a global provider of computational science expertise, helping Life Sciences and Healthcare companies of all sizes clear the path to discovery for more than 27 years. Learn more at www.rchsolutions.com.