

# How RCH Solutions Helped Celgene Develop an RCE that Meets the Needs of Both Research and IT

## Challenge

### Finding Both Technical and Scientific Expertise from a Computing Partner

Celgene had an objective to design then build a Research Computing environment that would meet the needs of both Corporate and Research business partners. Implementing a hybrid on-premise/Cloud solution, the plan would need to be executed in phases to gain acceptance and ensure success organization-wide.

In its initial phase, the firm sufficiently architected and managed an internal platform capable of providing its research teams the freedom and flexibility needed to accelerate science. Once established, the focus turned to the scale needed to meet business needs by leveraging the Cloud in a hybrid (on-premises + Cloud computing) model. Here, Celgene was in need of an experienced partner with a specific background in Specialty Computing, one who could evaluate and assess current IT standards and then specify and implement solutions within existing operating models. The challenge was both technical and operational based on the unique business needs of an emerging biopharmaceutical company.

## Solution

### A Scalable Platform Delivered By Specialists in Advanced Scientific Computing

RCH was engaged to perform an assessment of the plan and supporting technologies. An experienced team provided consulting, design, implementation, and support of this very visible and critical initiative.

The process included:

- Comprehensive plan review, including infrastructure, platform, data, and resources
- Assessment of the current state of Scientific Computing, IT and Business environments
- Formal recommendations to optimize and grow capabilities
- A roadmap forward with phases tied to business needs, including best practices
- Seamless integration with IT involvement
- Strategic planning using proven solutions and best practices



#### About Celgene:

Celgene is a global biopharmaceutical company committed to improving the lives of patients worldwide.

This case study outlines how RCH Solutions enabled Celgene to move forward toward its goals through the development of an agile Scientific Computing Environment.

RCH worked directly with the internal IT staff, research scientists, and application vendors to provide the optimum scalable solution for this new environment. The project included important application testing from a variety of commercial products as well as open source software necessary for proper development. Finally, collaboration between the many disparate IT and business groups was necessary for adoption and success.



## Results

### **An Award-Winning Scientific Computing Environment that Meets A Range of Needs**

Celgene now has a comprehensive, flexible, scalable, Research Computing Environment. The RCE includes both the on-premise and hybrid-cloud platform necessary to support the unique needs of the businesses, within the structure of its corporate IT framework.

In 2017, Celgene was recognized at the CIO 100 Symposium for Innovation of the RCE; RCH Solutions was recognized as a key partner of Celgene for their technical and change management contributions. Our company continues to provide Managed Services in support of the RCE as well as other emerging initiatives at Celgene.

### **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 30 years. Learn more at [www.rchsolutions.com](http://www.rchsolutions.com).

#### **Not yet working with us?**

Contact the RCH team to learn how we can support your advanced scientific computing and IT needs.  
[discover@rchsolutions.com](mailto:discover@rchsolutions.com)

