

BIOTECHNOLOGY CASE STUDY

Applied BioMath Leverages 24/7 Article Access To Empower Mechanistic Modeling In Drug Development

Accelerating Research Workflows

Applied BioMath is an innovative startup company that uses mathematical modeling to help its customers elevate and accelerate their drug discovery and development processes. For Applied BioMath, delivering to customers on time is a top priority. Indeed, in the race to scientific drug discovery, time is of the essence.




Because the company works across multiple areas of biomedicine, its research team needs fast access to a broad range of scientific journals. “We often work on very, very tight timelines, where customers need to make key decisions with a limited amount of internal data,” said Lore Gruenbaum, PhD, Applied BioMath’s executive director of biology and pharmacology.

As a young startup, however, Applied BioMath did not have a research solution in place. To get the information they needed, team members had to go through the time-consuming and often costly process of finding and accessing literature from individual publisher websites. “As our company grew, we realized very quickly that we had a pressing need— from both a time and cost perspective—to find a more efficient way to acquire articles in a copyright compliant fashion,” said Dr. Gruenbaum.

The Solution

Applied BioMath selected Research Solutions’ Article Galaxy Enterprise platform to address its research needs. According to Dr. Gruenbaum, the decision was an easy one. “We looked at a few other solutions, but based on cost and positive referrals, we quickly homed in on Research Solutions.

The most important factors we considered were speed, coverage, and convenience” she said. Article Galaxy Enterprise addresses Applied BioMath’s top three criteria:

-  **Speed:** On-demand access to scientific literature saves time and accelerates research, delivering full-text journal articles within minutes, 24/7.
-  **Coverage:** A broad portfolio of publishers—and integration with PubMed, Google Scholar, and 70 other search portals—ensures comprehensive discovery.
-  **Convenience:** A robust, centralized platform simplifies the research workflow, prevents duplicate orders, and facilitates copyright compliance.

The Company



Applied BioMath helps pharmaceutical companies accelerate and de-risk drug development with mathematical modeling and simulation. To learn more, visit www.appliedbiomath.com.



Going Beyond With Supplementary Material

According to Dr. Gruenbaum, deployment was fast and easy: “I’d say from initial discussions to being up and running was about ten days. We really had no problems.”

Since deployment, the company has been further impressed by Research Solutions’ willingness to solve any additional business challenges as they arise. For example, Applied BioMath often uses data from supplementary materials to inform mathematical models. The problem was that they weren’t getting this supplementary material with their downloads.

They reached out to their Research Solutions account manager, and he addressed the issue very quickly to find a solution. “Now, we don’t have to do a second submission or pay extra for any supplements. That was a very positive customer service interaction.”

In another instance, Applied BioMath approached Research Solutions for help accessing old papers. “We sometimes need articles from the ‘60s and ‘70s that are not available online; they’re only in print,” said Dr. Gruenbaum. “The Research Solutions team sent someone to the library to actually locate and scan the articles—thereby providing us with relatively fast access to even hard-to-find articles.”

With Article Galaxy Enterprise, Applied BioMath has enhanced and accelerated its own research processes—and in turn, is helping propel faster drug discovery and development among its customers.



Article Galaxy is saving us at least 50% of time with our current workflow. It also helps us make sure we’re appropriately covered in terms of copyright. That’s an important issue.”



Lore Gruenbaum, PhD

Executive Director of Biology and Pharmacology, Applied BioMath

Article Galaxy Enterprise Benefits

Applied BioMath leverages Research Solutions’ Article Galaxy Enterprise platform to improve research retrieval and intelligence, including:

- Easy Scientific Literature Access 24/7
- Integrated Literature Search
- Duplicate Order Alerts

For more information, visit us at www.researchsolutions.com.



Research Solutions (NASDAQ: RSSS), is a pioneer in providing seamless access to scientific research. Its wholly-owned subsidiary Reprints Desk, Inc., simplifies how organizations and individual researchers discover, acquire, and manage scholarly journal articles, book chapters and other content in scientific, technical, and medical (STM) research. More than 70 percent of the top pharmaceutical companies, prestigious universities, and emerging businesses rely on Article Galaxy Enterprise, Research Solutions’ cloud-based SaaS research platform, for simplified and lowest cost access to the latest scientific research and data. Featuring an ecosystem of app-like Gadgets for a personalized research experience, Article Galaxy offers individual as well as enterprise plans, coupled with unparalleled, 24/7 customer support.

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