
Insights from bPrescient



INSIGHTS ON TECHNICAL INNOVATION IN BIOTECH AND PHARMA

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AGENTIC AI: ARE YOU READY?

Artificial intelligence, including analytical tools and adaptive or agentic platforms, is being explored throughout the pharma/biotech industry. As with any new technology, effective use of AI requires careful strategizing and planning to avoid wasted investments and the alienation of user communities.



Agentic AI, meaning one or more autonomous and self-directed AI systems that can operate independently of specific user input, is still emerging in the therapeutics and diagnostics industry, and has so far been used in very limited ways. While it has great potential to reshape the way companies solve problems and process information, very few have deep experience with applying these new technologies.

How does agentic AI create business value?

- A familiar and convenient chat-based interface allows users to ask questions relevant to their work such as how to accelerate target identification, therapeutic lead generation, and pre-clinical and clinical optimization
- These questions are passed to a collection of individual autonomous agents that focus on specific data and methods, many of which can be AI-based themselves
- The agents communicate with one another and are orchestrated dynamically to access the data and methods needed in combination to respond to the user

Tactical problems such as which data sources to access and how to analyze them are solved by the agents. This reduces the time to get answers and allows your team to focus on strategic questions, many of which require integrating complex data from many sources. Creating an agentic system requires:

- Identifying and implementing the individual agents with the right capabilities
- Building an orchestration system to organize them effectively
- Integrating the results into a chat interface so users get back clear responses

So, are you ready for Agentic AI? bPrescient helps organizations develop and implement AI strategies that integrate commercial platforms, open-source frameworks, and custom algorithms to deliver measurable business value. From pilot to deployment, our experts ensure agentic AI accelerates discovery, provides value, mitigates risk, and unlocks insights across complex datasets.

[Learn More](#)



HOW CAN THE PISTOIA ALLIANCE HELP YOU?

Grant Stephen, CEO and Co-founder of **bPrescient**, has been elected to the board of the **Pistoia Alliance**. Grant's responsibility is to help represent members of the Alliance. This involvement strengthens bPrescient's ability to stay at the forefront of emerging standards and technologies that shape R&D. For our clients, it means earlier insight into industry direction and access

to best practices that translate directly into reducing risk, improving quality, and accelerating timelines.

Grant would like to hear from any Alliance members or potential members regarding how they would like to see the Alliance evolve to better assist both themselves and our industry. Grant commented, "I am honored to have been nominated and selected for a position on the board of this important organization. Fruitful collaboration is at the center of how our industry thrives and I am eager to hear from people about how the Alliance can make itself more useful."

If you have ideas to share, please [reach out to Grant](#) directly.

