Brightseed Launches Hummingbird™, Advancing Its AI-Powered Innovation Platform from Discovery to Development

New agentic product helps life science teams evaluate, prioritize, and advance higher-confidence product opportunities ahead of major development investment

SOUTH SAN FRANCISCO--May 13, 2026--Brightseed, Inc., a bio- and AI-native powered innovation platform for life science teams, today announced the launch of Hummingbird™, a new agentic AI product designed to help teams turn biological discovery into higher-confidence development decisions and commercially viable product opportunities.

Brightseed introduces Hummingbird, an agentic AI product designed to help life science teams evaluate, prioritize, and act on scientific insights in the context of real-world development—addressing one of the most persistent challenges in life sciences: determining which ideas are viable before significant time and capital are committed, not after.

The launch marks a significant step forward for Brightseed's platform, extending its capabilities beyond discovery into development—where the success or failure of innovation programs is ultimately determined. Hummingbird's agentic layer builds on Brightseed's platform, grounded in one of the world's largest proprietary bioactive datasets and a biology-native AI discovery engine.

A Continuous Platform for Life Sciences Innovation

Brightseed is advancing a fundamentally different model for life sciences innovation—one where discovery, development, and decision-making operate as a continuous, connected platform rather than fragmented stages. Built on its scientifically validated Forager™ discovery engine, the platform is now expanded with Hummingbird, bringing powerful agentic capabilities to help teams act on those insights.

Today, the platform is composed of:

- Platform (Foundation): Based on a wet/dry closed-loop system, this continuous learning platform connects data, decisions, and workflows across stages—eliminating fragmentation, preserving insight, and enabling more consistent, informed decision-making over time.
- Forager™ (Discovery): Identification of novel bioactives and biological mechanisms at scale.
- Hummingbird™ (Development): Agentic intelligence to evaluate, prioritize, and advance concepts toward commercialization.

This integrated model replaces fragmented workflows with a continuous platform where insight, evidence, and decisions carry forward, improving the probability of success by design.

Built Differently from General-Purpose AI

Hummingbird is built specifically for life sciences—designed to operate within real biological systems and development constraints, rather than generating outputs from general-purpose data.

Unlike general-purpose AI tools that generate content based on public data, Hummingbird operates within Brightseed's proprietary biological framework—grounded in seven years of experimentally validated data and scientific reasoning. This allows it to produce decision-grade outputs that reflect real biological mechanisms, development constraints, and commercial viability, rather than generic recommendations.

In life sciences, the challenge is not generating ideas—it is determining which ideas are viable before significant time and capital are committed. By grounding AI in real biological systems and development constraints, Hummingbird shifts decision-making upstream—helping teams identify high-confidence opportunities earlier and reduce costly late-stage failure.

"We've proven that AI can unlock discovery at a scale never before possible," said Lee Chae, PhD, Co-Founder and CEO of Brightseed. "What our customers need next is the ability to act on that discovery—earlier, faster, and with greater confidence. Hummingbird was built to do exactly that. It surfaces risk sooner, prioritizes what matters, and helps teams focus resources on the ideas most likely to succeed."

Built from Real-World Development Experience

Hummingbird is informed not only by Brightseed's data and AI capabilities, but by years of hands-on experience working alongside more than 40 partners and commercializing its own ingredients.

This dual perspective, platform builder and operator, has enabled Brightseed to encode real-world development challenges directly into Hummingbird's design:

- Fragmented workflows across tools and teams.
- Late-stage failure due to incomplete early insight.
- Inefficient allocation of R&D resources.

By embedding these learnings into an agentic system, Hummingbird enables teams to identify higher-confidence opportunities earlier and reduce downstream failure.

Advancing Toward Continuous, AI-Driven Innovation

The launch of Hummingbird reflects Brightseed's broader platform vision: transforming innovation from a series of disconnected steps into a continuous, AI-powered capability. Today, Hummingbird supports human-led workflows with agentic intelligence. Looking ahead, Brightseed is building toward a future where intelligent agents interact across its own agentic systems—enabling continuous discovery and development with humans guiding strategic decisions.

This direction positions Brightseed as foundational infrastructure for life sciences innovation—where AI does not replace scientists, but amplifies their ability to make better decisions, earlier.

A Platform Built for Growth, Not Just Speed

By connecting discovery and development within a unified platform, Brightseed increases the probability of commercial success for life science innovations:

- Make faster, higher-confidence decisions earlier
- Build differentiated, defensible products
- Turn innovation into a scalable growth capability

The launch of Hummingbird reinforces Brightseed's position as a category-defining AI-powered life sciences platform company, combining proprietary data, deep scientific expertise, and agentic AI to transform how innovation gets done.

About Brightseed

Backed by over 40 industry leading partners, Brightseed® exists to empower life science teams with the foundation needed to advance science, develop better products, and ultimately transform health through AI. The Bay Area company brings together biology, the world's largest proprietary dataset, and over a decade of computational science expertise with a shared commitment to illuminating biology and translating scientific insight into real-world impact. Brightseed's work is guided by the belief that better health outcomes require clarity, precision, and an integrated approach to innovation. For more information, visit www.brightseedbio.com.

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