

# TheraSyn Bio Advances Project Panacea Toward 2026 Clinical Trials in Topical Breast Cancer Therapy

*Project Panacea, a topical breast cancer therapy, moves closer to clinical trials with strong preclinical progress.*

BOSTON, MA, UNITED STATES, June 11, 2025 /EINPresswire.com/ -- [TheraSyn Bio](https://www.therasynbio.com), a Massachusetts-based [synthetic biology](#) company, today announced significant advancements in the development of Project Panacea, its topical breast cancer therapy. The program, previously introduced as a promising innovation in synthetic biology and oncology—has successfully reached critical preclinical milestones and is progressing toward clinical trial readiness, with trial enrollment anticipated in early 2026.



Recent updates from the research team confirm that Project Panacea continues to demonstrate strong preclinical performance, including selective targeting of breast cancer cells while minimizing harm to surrounding healthy tissue. The topical therapy is being developed with a focus on safety, precision, and accessibility for patients. TheraSyn Bio is in collaboration with Rubix LS, recognized for its clinical trial expertise and data-driven approach. Rubix LS will support the strategic planning and execution of the clinical studies.

Leveraging TheraSyn Bio's proprietary platform, researchers have achieved unprecedented precision and efficacy in targeting cancer cells. These advances include enhanced therapeutic potency, markedly improved targeting specificity, and significantly reduced toxicity profiles. Through innovative synthetic biology and sophisticated computational modeling, Project Panacea has exceeded initial expectations. According to the TheraSyn Bio and Rubix LS research team, the TSB platform has shown an impressive ability to precisely engineer therapeutic

molecules that selectively target breast cancer cells while sparing healthy tissue—addressing one of oncology’s longstanding therapeutic challenges.

The recent breakthroughs underscore the robustness of TheraSyn Bio’s integrated synthetic biology and computational approach. By optimizing molecular design and predicting therapeutic outcomes with high accuracy, Project Panacea sets a new benchmark in precision oncology, with the potential to transform patient outcomes and treatment paradigms.

“At TheraSyn Bio, our mission is to transform insights into actionable solutions for improving human and ecological health,” said Daisy Gallagher, Chairwoman and Co-Founder. “Project Panacea reflects that mission—delivering a forward-looking therapeutic rooted in science, access, and equity.”

The project is a multidisciplinary effort that applies TheraSyn Bio’s proprietary synthetic biology platform and Rubix LS’s computational expertise to enhance therapeutic precision in oncology—particularly for historically underserved populations.

“We’re excited to partner with TheraSyn Bio to accelerate Project Panacea from preclinical innovation to impactful patient outcomes. Our collaboration demonstrates the power of shared innovation,” said Reginald Swift, CEO of Rubix LS and scientific advisor to TheraSyn Bio. “We are building a path that combines rigorous science with a commitment to equity—ensuring advanced therapies are both effective and accessible. Our joint efforts aim to ensure that the potential of this groundbreaking therapy reaches underserved patient communities effectively and efficiently.”

“There is great demand for more strategic and targeted therapies so we remain excited about the promise for Project Panacea and other TSB innovative solutions around health and wellness. Project Panacea and TSB’s broader pipeline is both timely and compelling,” said David Dixon, executive member of the TheraSyn Bio Advisory Board, currently also serving on the Board of the National Investor Relations Institute (NIRI), C.T. Hagberg Inspector of Election for Corporate Annual Shareholder Meetings, member—and former national board director—of The Society for Governance and with over 30+ years corporate leadership experience in banking, finance, and investment (IPO, M&A, Capital Fundraising) with focus on health & wellness sector.

TheraSyn Bio and Rubix LS remain on track to initiate clinical trials in 2026. Further updates regarding clinical readiness, patient access, and study locations will be shared in the months ahead.

“With Project Panacea, we’re not only applying science with precision, we’re also ensuring that innovation reaches those who need it most,” added Gallagher.

#### Call to Action

Members of the media, academic community, or health innovation networks interested in

Project Panacea are invited to connect with TheraSyn Bio ([info@therasynbio.com](mailto:info@therasynbio.com)) or Rubix LS ([info@rubixls.com](mailto:info@rubixls.com)) for interviews, data access, or future trial insights.

#### About TheraSyn Bio

TheraSyn Bio (TSB) is a U.S.-based synthetic biology technology company advancing precision bioscience through AI-integrated innovation, sustainable product development, and equitable therapeutic design. The company has been recognized as an Emerging Health Innovator by the U.S. [ARPA-H](#) initiative and collaborates with academic institutions including the University of Memphis. TSB continues to expand partnerships across the U.S. and internationally to drive innovation in public health and synthetic biology. [www.therasynbio.com](http://www.therasynbio.com)

#### About Rubix LS

Rubix LS is a clinical research and development organization focused on inclusive health outcomes, AI-driven strategy, and translational science. The company accelerates the path from discovery to delivery by supporting therapies that benefit diverse and underserved populations. [www.rubixls.com](http://www.rubixls.com)

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TheraSyn Bio, Project Panacea, Breast Cancer Therapy, Precision Medicine, Synthetic Biology, AI in Healthcare, Clinical Trials, Health Equity, Oncology Innovation, Biopharma Development, Rubix LS, Cancer Research, Health Innovation, Women's Health, Translational Medicine

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