

GenBio Inc. Introduces ResistR™ to Advance Antimicrobial Resistance Development Program

GenBio advances research into bacterial resistance, efflux pump inhibition and potential strategies to address the growing challenge of antimicrobial resistance

ALISO VIEJO, CA, UNITED STATES, September 1, 2026 /EINPresswire.com/ -- GenBio Inc. ("GenBio" or the "Company"), a U.S.-based biotechnology company advancing proprietary therapeutic research programs, today announced ResistR™, a new development identity for the Company's [antimicrobial resistance](#) research program.

ResistR™ represents GenBio's continuing scientific investigation into biologically active compounds and mechanisms that may have potential applications in addressing antimicrobial resistance (AMR), one of the most significant and persistent challenges facing modern medicine.

“

The best scientist is open to experience and begins with romance - the idea that anything is possible.”

Ray Bradbury

The program builds upon years of scientific research evaluating naturally derived bioactive compounds and their interactions with microorganisms, including research into mechanisms associated with bacterial resistance.

A particular area of interest within the program is [efflux pump](#) inhibition.

Bacterial efflux pumps are cellular transport mechanisms capable of removing antimicrobial compounds from bacterial cells. These systems can contribute to antimicrobial resistance by reducing the intracellular concentration of antibiotics and other antimicrobial agents.

GenBio's research has identified activity of interest involving these resistance mechanisms, leading the Company and its scientific collaborators to undertake further investigation into the



potential significance of the findings. The ResistR™ program is intended to provide a distinct development framework under which this research can continue to be characterized, validated and evaluated for potential therapeutic applications.

Breaking Down the [Biology of Antimicrobial Resistance](#)

The emergence and spread of antimicrobial-resistant microorganisms has created an increasing need for new approaches that extend beyond the discovery of conventional antibiotics. One area of scientific interest is the development of resistance-modifying strategies designed to interfere with mechanisms bacteria use to survive antimicrobial exposure.

Rather than viewing antimicrobial resistance solely as a search for increasingly powerful antibiotics, GenBio is investigating whether specific biological mechanisms associated with resistance may themselves provide potential therapeutic targets.

The Company's research into efflux pump activity forms an important component of that strategy.

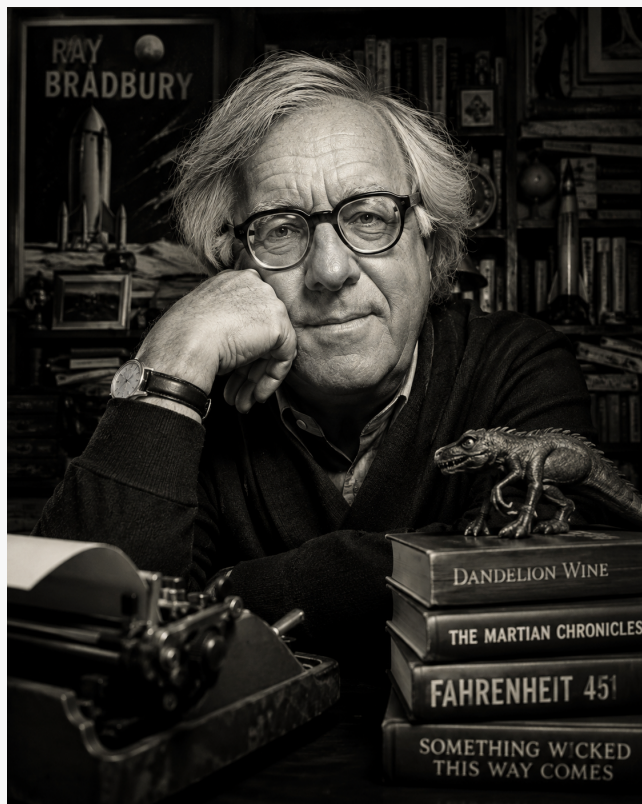
Where supported by further research, approaches capable of modulating resistance mechanisms could potentially be evaluated independently or in combination with existing antimicrobial therapies.

Such possibilities remain subject to substantial additional laboratory investigation, characterization, preclinical development and regulatory evaluation.

From Discovery to Development

GenBio's antimicrobial research has progressed through multiple stages of investigation involving the Company's scientific leadership and external research collaborators.

The Company is continuing to evaluate its findings within a broader development strategy that includes compound characterization, mechanism-of-action research, intellectual property



Ray Douglas Bradbury (22 August 1920 – 5 June 2012) was an American author and screenwriter. One of the most celebrated 20th-century American writers



ResistR™ is the development identity for GenBio Inc.'s antimicrobial resistance research program.

development and future preclinical evaluation.

ResistR™ provides a recognizable identity around which this work can now be organized as the program advances.

The new identity also complements GenBio's recently introduced BlockR™ anti-inflammatory development program, reflecting the Company's broader strategy of establishing distinct proprietary identities for significant therapeutic programs emerging from its research platform. Together, these programs illustrate how GenBio is working to translate discoveries originating from biologically active natural compounds into differentiated scientific and potentially therapeutic opportunities.

A Growing Global Challenge

Antimicrobial resistance occurs when microorganisms develop or acquire mechanisms that allow them to survive medicines previously capable of controlling them.

The consequences extend well beyond infectious disease. Effective antimicrobial medicines are fundamental to modern healthcare, supporting surgery, cancer treatment, transplantation and the management of numerous serious medical conditions.

For this reason, antimicrobial resistance has become an important area of research for governments, healthcare systems, pharmaceutical companies and biotechnology organizations worldwide.

GenBio believes that scientific investigation into the mechanisms underlying resistance, as well as the microorganisms themselves, may provide additional avenues for therapeutic discovery.

Building GenBio's Proprietary Development Portfolio

The introduction of ResistR™ comes as GenBio continues to advance its broader scientific and intellectual property strategy.

The Company is evaluating multiple development opportunities emerging from its research, while strengthening the scientific documentation, intellectual property and preclinical framework surrounding selected programs.

GenBio is also expanding its engagement with pharmaceutical and biotechnology organizations as it evaluates potential strategic partnerships, licensing opportunities and other corporate-development pathways for its proprietary research portfolio.

The Company expects to provide additional information regarding the ResistR™ program as scientific development progresses and when disclosure can be made without compromising ongoing research or intellectual property strategy.

About ResistR™

ResistR™ is the development identity for GenBio Inc.'s antimicrobial resistance research program. The program encompasses continuing investigation into biologically active compounds, bacterial resistance mechanisms and potential resistance-modifying approaches, including research involving efflux pump inhibition. ResistR™ remains a research and development program. No product associated with the program has been approved for the diagnosis, treatment, cure or prevention of disease.

About GenBio Inc.

GenBio Inc. is a U.S.-based biotechnology company advancing proprietary scientific programs focused on significant therapeutic challenges, including antimicrobial resistance, inflammation and other areas of therapeutic development.

The Company's research strategy centers on identifying and characterizing biologically active components and translating those discoveries into differentiated therapeutic opportunities supported by scientific research and intellectual property.

Forward-Looking Statements

This press release contains forward-looking statements regarding GenBio Inc.'s research programs, antimicrobial resistance research, ResistR™, efflux pump inhibition, intellectual property strategy, potential therapeutic applications, preclinical development and future strategic opportunities.

These statements involve risks and uncertainties, and actual results may differ materially from those expressed or implied. Scientific findings described herein remain subject to additional research, validation and development. References to potential therapeutic applications should not be interpreted as evidence of clinical efficacy, regulatory approval or assurance that any product will successfully complete development.

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