Columbia Microbiome Sciences Creates a Photoprotection Platform to Support Skin Biology

CEO Steven Rosenfeld will present the latest data on this paradigm-breaking technology at The New York Chapter of the Society of Cosmetic Chemists' symposium.



Columbia Microbiome Sciences' photoprotection platform supports skin biology.

BRONXVILLE, NY, UNITED STATES, September 15, 2026 / EINPresswire.com/ -- Skin cancer is the most common cancer in the United States and around the world. According to the Skin Cancer Foundation, 1 in 5 Americans will develop skin cancer by the age of 70. Meanwhile, the UV protection market is growing over 5% a year and is expected to reach $19.6 billion by 2032, due to demand for premium, prestige formulas. The recent US FDA approval of BEMT underscores the severity of skin cancer issues, as well as the need for better sunscreen systems.

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>
> *Steven Rosenfeld*

Columbia Microbiome Sciences has a better system.

The company's patent-pending photoprotection system moves beyond traditional sunscreen approaches by actively supporting the skin's natural defense and recovery mechanisms. Columbia Microbiome Sciences CEO Steven Rosenfeld will present the latest data on this paradigm-breaking technology on October 8, 2026, at "The Skin Barrier as a Living Interface: Biology, Disruption, and Repair." The symposium is produced by The New York Chapter of the Society of Cosmetic Chemists (NYSCC). Roger McMullen is the symposium chair. The event will take place at The Legacy Castle, Pequannock Township, NJ, 9am-6pm.

"Sunscreen chemistry hasn't fundamentally changed in more than 50 years. Our system moves photoprotection from passive UV filtration to active biological support across the skin's

molecular, cellular, and microbial layers," said Rosenfeld. "Our patent-pending platform is built for the industry's shift toward skin health and 'skin longevity.'"

Columbia Microbiome Science's novel system is engineered to work in harmony with the skin's biology, helping to mitigate photodamage at the cellular level while maintaining the integrity of the skin's natural renewal processes. According to Rosenfeld, for too long the suncare industry accepted a static model of sun protection—block, absorb, repeat.

"We asked a different question: what if photoprotection could be dynamic, responsive, and biologically intelligent? This innovation represents our answer," said Rosenfeld.

The proprietary system incorporates advanced components designed to:
• Stabilize DNA, RNA, and antioxidant pathways under stress;
• Modulate immune response and preserve the signaling skin uses to recover;
• Reduce the downstream effects associated with cumulative photodamage; and
• Enhance overall skin resilience under environmental exposure.

"We move from passive protection to active biological support," said Rosenfeld. "Our system enhances the skin's ability to defend, repair, and adapt under UV stress."

Preliminary internal evaluations indicate that this approach may offer meaningful advantages over traditional sunscreen formulations, particularly in addressing long-term skin health, and visible aging associated with chronic sun exposure. By integrating principles of skin biology, microbiome balance, and cellular signaling, Columbia Microbiome Sciences continues to push the boundaries of what topical skincare can achieve. The patent-pending technology is expected to serve as the foundation for a new category of photoprotection products currently under development. Columbia Microbiome Sciences plans to share additional data and product developments in the coming months.

"This is about helping skin function better in the presence of light, not just shielding it from it," concluded Rosenfeld. "The future of suncare is not just protection—it's intervention."

About Columbia Microbiome Sciences
Columbia Microbiome Sciences is dedicated to advancing skin health through science-driven innovation. The company focuses on formulations that support the skin's natural biological processes, promoting long-term resilience, balance, and function.

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