



With key hire, bitBiome is set to expand their platform capabilities with the establishment of a fermentation and scale-up team

TOKYO, October 25, 2023 - bitBiome Co., Ltd., a biotechnology company unlocking the potential of our planet's microbes to power the future of the bioeconomy, is pleased to announce the establishment of a Fermentation and Scale-up Team, led by James D. Winkler, Ph.D., formerly of the U.S.-based LanzaTech, starting in November 2023. This initiative expands our capabilities, enabling us to cover not only enzyme discovery and modification but also downstream processes in the field of biotechnology, contributing to the realization of the bioeconomy.

Background: Since July 2022, bitBiome has been actively engaged in the biotechnology sector, with a focus on enzyme discovery and modification technology. We have received a wide range of inquiries and collaborations from various companies. However, the challenges of biomanufacturing, particularly in terms of large-scale production, have been a prominent aspect of the industry.

Establishment of the Fermentation and Scale-up Team: To address these challenges, we are proud to announce the establishment of the Fermentation and Scale-up Team, effective November 1, 2023. This dedicated team will enhance our capabilities, ranging from initiating small-scale fermentation processes in-house to forming partnerships with external Contract Manufacturing Organizations (CMOs) for commercial-scale projects.

Leadership: The Fermentation and Scale-up Team is under the leadership of Dr. Winkler, who brings a wealth of experience in fermentation and production, having played a pivotal role in the success of LanzaTech, a prominent U.S. synthetic biology startup listed on NASDAQ, and being involved in numerous plant startups.

Dr. Winkler is committed to driving further innovation in biotechnology with his expertise and experiences, and he will be instrumental in advancing bitBiome towards new achievements.

The Future of bitBiome: With the establishment of the Fermentation and Scale-up Team, bitBiome is poised to provide a wide array of solutions, from enzyme development support to small-scale demonstration and scaling up processes.

“I am pleased to join bitBiome as leader of the Fermentation and Scale-up Team, an extremely innovative biotechnology company with global promise. I look forward to working with the bitBiome team to achieve success across the spectrum of specialty enzymes, small molecule, and biocatalyst products already being pioneered by the company,” said Dr. Winkler.

■About bitBiome, Inc.

bitBiome is a biotechnology company unlocking the full potential of our planet's microbes to power the future of the bioeconomy. bitBiome's platform is built on their proprietary single-cell microbial genome analysis technology, bit-MAP[®], which has enabled the creation of bit-GEM: an extensive and groundbreakingly diverse microbial database of over 1.3 billion sequences, sourced primarily from environmental samples and containing sequences not present in public databases. Leveraging their expertise in bioinformatics and machine learning, the company also offers a comprehensive enzyme discovery and engineering platform, bit-QED, which encompasses the identification, assessment, and modification of enzymes through wet lab evaluation and directed evolution. bitBiome is committed to improving existing biomanufacturing industries and creating new ones by delivering sequences and enzymes that cannot be found anywhere else. To learn more about bitBiome's platform and services, visit bitbiome.bio.

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