AgroSpectrum ASIA
Envisaging Future | Updating Present

# Open Yeast Platform could lower barriers to entry and accelerate B2B biotech commercialization

24 April 2026 | News

**Proposed hub at Hong Kongâ??Shenzhen Innovation and Technology Park targets regional and global research networks**




**Proposed hub at Hong Kongâ??Shenzhen Innovation and Technology Park targets regional and global research networks**

Pinnacle Food Group Limited is positioning itself at the forefront of Asiaâ??s rapidly expanding synthetic biology sector, announcing a non-binding memorandum of understanding (MOU) to explore the development of an Open Yeast Platform hub in Hong Kong. The initiative, led through its subsidiary Pinnacle Food AgTech HK Limited (PFHK), reflects a broader strategy to integrate bio-engineering capabilities with scalable commercial applications, particularly in precision fermentation and high-value biological production.

The proposed hub, to be located within the Hong Kongâ??Shenzhen Innovation and Technology Park, is designed to capitalize on the unique cross-border advantages of the region, combining Hong Kongâ??s regulatory framework with Mainland Chinaâ??s manufacturing and innovation ecosystem. If realized, the platform could serve as a central node for yeast-based research and development, linking academic institutions, biotech startups, and industrial players across Asia and beyond.

At the core of the initiative is the Open Yeast Platform, a dual-component system comprising an open-source DNA parts library and a growing global repository of yeast strains. Originally established in 2021, the platform has evolved into a resource-rich toolkit for synthetic biology, enabling researchers to assemble genetic constructs and experiment with yeast-based applications more efficiently. The inclusion of both genetic components and live strains under an Open Material Transfer Agreement framework underscores a commitment to accessibility and collaborative innovation.

Bioboost Synbio Consulting Inc., a specialized biotechnology advisory firm, will support the initiative by providing strategic and technical expertise to facilitate regional deployment. The collaboration is expected to focus on adapting the platform to local

research needs while ensuring interoperability with global standards, a critical factor in scaling synthetic biology solutions across borders.

For Pinnacle Food Group, the move aligns with its â??Dual-Engineâ? growth strategy, which seeks to combine technological innovation with commercial scalability. By curating and distributing synthetic biology tools within Asia, the company aims to attract partnerships and build an ecosystem that supports both research advancement and downstream product development. The open-access nature of the platform is also expected to reduce entry barriers for smaller players, potentially accelerating innovation cycles in areas such as alternative proteins, industrial enzymes, and bio-based materials.

While the MOU remains non-binding and subject to further regulatory and operational approvals, the initiative signals growing momentum in the convergence of open science and commercial biotech infrastructure. As global competition intensifies in synthetic biology, the establishment of regional hubs capable of fostering collaboration and rapid experimentation may prove pivotal in shaping the next phase of industry growth.