Cysbio in collaboration with Chinese company Zhejiang NHU

Cysbio, a DTU spin-out from 2019, has developed technologies that enable cost-effective production of a range of biochemicals. The enabling technology consists of modified bacteria strains that can transform simple renewable feedstocks like glucose into valuable chemicals through a simple fermentation process of sugar.

The products can be used in multiple industries and hold the potential to dramatically expand existing markets as well as creating completely new offerings within health, nutrition, polymers, biopesticides and food.

They are off to a great start with a EUR 5.5M seed investment and close collaboration with Chinese fine chemicals company Zhejiang NHU.

Producing amino acid without fossil resources

"A lot of the chemicals produced today stem from oil-based resources. We can make many of these chemicals through fermentation processes from renewable resources such as sugar. This means we can decrease our dependence on fossil resources and replace some polluting production methods", says Prof. Alex Toftgaard Nielsen, CSO and co-founder of Cysbio.

Zhejiang NHU has recently built a large fermentation factory in China in a EUR 1 billion project. They produce a variety of different fine chemicals and plan to expand their production of bio-based products in the future. This makes Cysbio a very attractive collaborator.

"We have the knowledge, capability and IP within a valuable field of biotechnology and Zhejiang NHU have resources and expertise to produce and sell", says Prof. Alex Toftgaard Nielsen, "Things have gone very fast. They are extremely good at scaling up and they have invested in a sizable dedicated team working specifically on our products. It's a fantastic situation to be in".

Cysbio expects to launch their first amino acid product in the beginning of 2021.