

Corporate Innovation Challenge Template

Challenge Name: Continues Fermentation

Code Name: BIOECONOMYVENTURES-2022-OC2-AjiBioP_3

Challenge Domain:

- Platform and Specialty Bio-based Chemicals
- Bio-based Fragrances, Cosmetics and Personal & Home Care

Description of the Corporate innovation Challenge

In similarity to the continuous flow technology in the organic chemistry, we are searching for continuous fermentation technologies/technology platforms that have a minimal installation footprint (<10m³) for equivalent product throughput to produce high value fine chemicals (e.g., fragrances or cosmetics) and pharmaceuticals. “Miniaturized fermentation solutions with equivalent output”, and preferably multipurpose approaches are proposed.

These technology platforms will be combined with our extensive DSP and continuous flow chemistry knowhow in order to achieve sustainable manufacturing services based on renewable energy sources.

Expected results

- Technical and economical scalable solutions
- Equivalent product output

Types of Collaboration

1. Pilot running and product testing
2. Corporate Venturing
3. Knowledge sharing and Tech Transfer

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Participation confirmation

I confirm AJINOMOTO OMNICHEM availability and participation in the BioeconomyVentures programme. This confirmation allows BioeconomyVentures the right to publicly disclose the company's name, challenge information, logo, and website for the purpose of dissemination and attracting new innovators to the programme.

Company Information

Company Name: AJINOMOTO OMNICHEM

Challenge owner name and last name: Joris De Keijser

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Company information:

Ajinomoto OmniChem is a member of the Ajinomoto Group, which operates more than 100 manufacturing facilities and supporting offices globally.

The Ajinomoto Group is a global leader in amino acids, focused on the research, development, and manufacture of high-quality products for the pharmaceutical, specialty chemical, nutraceutical, sports nutrition, and health & beauty industries, as well as food seasoning and consumer food products.

Ajinomoto OmnicheM is dedicated to improving global health and well-being through innovative, adaptive solutions since 1989. From its two production sites in Belgium, one production site in India and one in Spain, the company specializes in CDMO services for the bio-pharmaceutical and fine chemistry industries and the development of additives for the food and agrosience industries, as well as serves the market with own branded tannins, bio stimulants and surfactants.

Pioneering spirit

One of Ajinomoto OmnicheM's distinctive strong suits is its ability to rapidly scale from pilot to commercial product with full compliance of the applicable quality assurance guidelines. To achieve this, the company relies on its in-depth knowledge of complex and hazardous chemistry, its innovation strength and state-of-the-art production technologies.

Driven by continuous improvements

To keep pace with the fast-moving bio-pharmaceutical and agrosience world, Ajinomoto OmnicheM focuses incessantly on process optimization, novel methods, and equipment. By the end of 2022, considerable investments in the refinement of the company's sustainable processes and production methods will help its clients to meet the industry's evolving expectations towards sustainability for their clinical and commercial projects.

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Head office

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