

## Corporate Innovation Challenge Template

**Challenge Name: Replacement of Noble metal catalysed carbon-carbon coupling reactions**

**Code Name: BIOECONOMYVENTURES-2022-OC2-AjiBioP\_2**

**Challenge Domain:**

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

**Description of the Corporate innovation Challenge**

Current pharmaceutical and fine chemical strategies are heavily leaning on organic synthesis reactions with a high environmental footprint (e.g., Pd catalyzed C-C coupling reactions).

In this context we are searching for biobased solutions and/or biobased catalysts to replace the current strategies that can make our portfolio more sustainable. More precisely, we are interested in new C-C coupling strategies aiming at replacing the extensively used Pd-catalyzed couplings in pharmaceutical chemistry such as Suzuki, Heck, Stille or Sonogashira couplings. This may be accomplished – ideally – by developing widely applicable biotransformation strategies.

**Expected results**

- Technical and economical scalable solutions preferably based on bioconversion strategies

**Types of Collaboration**

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

## Corporate Innovation Challenge Template

### 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

**Challenge owner email:** [joris.dekeijser@eu.ajibio-pharma.com](mailto:joris.dekeijser@eu.ajibio-pharma.com)

#### 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.

## Corporate Innovation Challenge Template

### Head office

S.A. Ajinomoto OmniChem N.V.

Cooppallaan, 91

B-9230 Wetteren

Belgium



BIO•PHARMA  
SERVICES

THE POWER TO MAKE®