

Improving the Fermentation of Filamentous Fungi

A European cellular agriculture company, with an interest in developing cultivated dairy products, are seeking collaborative opportunities involved in improving the **fermentation of filamentous fungal strains**.

In particular, our client is interested in **submerged, solid-state or semi-solid-state fermentation methods for the production of fats and recombinant proteins**; however, they are also interested in academic expertise and Centres of Excellence in sustainable approaches to advance the animal-free dairy market.



Fermentation methods should:

- Involve strains of filamentous fungi with a biosafety level 1 (BSL1), these should be approved for human consumption or have received GRAS status; strains of particular interest include but are not limited to *Aspergillus* ssp., *Trichoderma reesei*, *Penicillium* ssp., and *Talaromyces* ssp.
- Be cost-efficient e.g. use of cost-efficient growth media
- Increase yield and biomass production
- Have cost-efficient downstream processing (DSP)
- Utilise a scalable process
- Increase potential to patent the output

Out of Scope

- Approaches requiring animal-derived ingredients

Stage of Development

The client is interested in filamentous fungi fermentation approaches that have undergone testing. Ideally, technologies will be able to reach TRL8-9 within 2-5 years, making those at TRL5-6 preferred, however, opportunities TRL3+ are still of interest and will be considered.

Submission Information

Submission of one page, 200-300 word briefs are encouraged. Along with any optional supplementary information e.g. relevant publications and patents. In submitting to this campaign, you confirm that your submission contains only non-confidential information.

Potential Collaborations for Academics

Our client is open to a range of collaboration opportunities, with the most appropriate outcome being decided on a case-by-case basis. Example outcomes include licensing assets, research collaborations, project/PhD/Post-Doc funding and consulting agreements.

Opportunities sought

-  Technologies
-  Academics and expertise
-  Centres of excellence
-  Research projects
-  Spinout companies

Submissions

Please submit relevant, non-confidential opportunities online via: discover.in-part.com

Deadline: **28th March 2022 - 10:59 pm GMT**

Have any questions?

Contact our team at discover@in-part.co.uk