

Eurostars Partners (companies and research institutes) sought for cooperation in research on technology of photo-bioreactor system

POD Reference [RDKR20180824001](#)

Summary

A Korean company is looking for partners to collaborate on EUREKA/Eurostars2 project proposal. The project aims to mass production of algae for its use in a photo-bioreactor system. The company is seeking for companies and research institute specialized in the cultivation of microalgae.

Description

A Korean SME specializes in the cultivation of microalgae and develops skin care cosmetics, healthcare food products, and medicines based on them.

The company has experienced microalgae cultivation for 35 years, and a large amount of Astaxanthin from Haematococcus of microalgae would be cultivated and extracted at a low cost through the project.

The technology would enable to reduce the fees for the facility which is applicable to all types of microalgae and efficient and consistent production available in any circumstances including environment and weather. Also, biomass is obtained by stimulating cell divisions on the green stage of haematococcus's photosynthesis, which results in finished products, such as healthy food, cosmetics, and the development of medicines.

The SME is seeking partners in any other country who work in the related area. The partners are expected to cooperate in using microalgae to produce healthy food, cosmetics, and medicines by submitting a proposal for Eureka or Eurostar2 program.

Deadline for EOI: 1 February 2019

Deadline for Call: 1 March 2019

Project Duration: 104 weeks

Advantages and Innovations

- Cultivation of a large number of microalgae, such as Haematococcus as the macromolecules would be photosynthesized with cell division devices
- It would provoke the cell divisions, which reduce costs generated by biomass to be obtained
- Reduced costs of finished products would be applied on healthy food, cosmetics, and development of medicines