

Partnering Opportunity

Profile status : Published

Research Development Request

H2020-MSCA-IF-EF-SE: Transcriptomic and metabolomic expert scientist (PhD) or researcher with several years of experience in omics discipline related to fermentation process

Summary

An Italian company with high experience in production and purification of API (Active Pharmaceutical Ingredient) develops a fermentation process to produce a proprietary small molecule. An experienced researcher with transcriptomics and metabolomics know how is sought within Society & Enterprise Panel of Individual Fellowships of Marie- Sklodowska-Curie Actions. He/she should contribute to further optimize the production process as well as enhance the knowledge of microbial biochemical pathways.

Creation Date	26 June 2020
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Expiration Date	30 July 2020
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Details

Description

The Italian company has several years of experience in the identification, development and production of high quality active principles, for use in the pharmaceutical and health food field. The company has also a strong experience in the production of APIs that require high containment as well as fermentation-origin APIs.

The multipurpose fermentation suite allows the company to develop several production processes to obtain API for the Pharma market. One of this regards the production of a small molecule by using an unconventional bacterium. Since the yield remains very low, one of the most important objective is to clarify the biochemical pathway that leads to final product in order to optimize the entire production process.

For this purpose the company would like to hire an omics data analyst with a PhD or an experienced researcher (scientific worker) with several years of research experience in bioinformatics analysis or related disciplines in the framework of EU program Fellowships: MSCA-IF-EF-SE.

The candidate should contribute to the further design and development of the transcriptomics and metabolomics experiments as well as enhancements of the intuitive user experience and data exploration. He/she should also focus on fermentation process.

The anticipated duration of the project is 2 years. The deadline of the call is 9th September 2020. The deadline for EoIs is 30 July 2020.

IPR Status

Secret Know-how

Keywords

Technology

06001001	Biostatistics, Epidemiology
06002003	Enzyme Technology
06002004	Protein Engineering
06003001	Bioinformatics
06003002	Gene Expression, Proteome Research

Market

04005	Biochemistry / Biophysics
04007	Enzymology/Protein Engineering/Fermentation
04014	Bioinformatics
04015	Gene Expression, Proteome Research

NACE

C.20.1.4	Manufacture of other organic basic chemicals
C.21.1.0	Manufacture of basic pharmaceutical products
M.72.1.1	Research and experimental development on biotechnology

Network Contact

Issuing Partner

ZACHODNIOPOMORSKI UNIWERSYTET TECHNOLOGICZNY W SZCZECINIE

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Open for EOI: **Yes**

Dissemination

Relevant sector groups

Bio Chem Tech

Client

Type and Size of Organisation Behind the Profile

Industry 250-499

Year Established

0

Already Engaged in Trans-National Cooperation

No

Client Country

Italy

Partner Sought

Type and Role of Partner Sought

The purpose of the partnership is a common application for funding under the EU program MSCA-IF-EF-SE Society and Enterprise panel, where the Italian company will be the hosting organisation for the researcher.

The candidate should contribute to further design and development of omics experiment as well omics data analysis in order to clarify the biochemical pathway for the production of the molecule of interest.

He/she should also focus on fermentation process applying its experience of comparative metabolomics analysis.

Working with external partner the candidate will also develop his /her knowledge using the latest next generation sequencing technology and will gather experience in de-novo genome sequencing of unconventional bacterium.

The scientific researcher should have a bioinformatics background and have experience in most of the following areas:

- Plan and execution of metabolomics and transcriptomics experiment
- omics data analysis
- Illumina technology for NGS analysis
- Metabolic flux analysis

Type of Partnership Considered

Research cooperation agreement

Program - Call

Framework Program

Marie Skłodowska-Curie Actions

Call title and identifier

Call title: Marie Skłodowska-Curie Individual Fellowships

Call ID: H2020-MSCA-IF-2020 (MSCA-IF-EF-SE Society and Enterprise panel)

Coordinator required

No

Deadline for EOI

30 Jul 2020

Deadline of the Call

09 Sep 2020

Attachments
