Title: (BIO)PROCESS MODELLING

- Experience: Not required

- Requirements: MSc in Mathematical modelling (currently studying or just finished); high level in English; previous experience (e.g. master or final degree project) in the layout of the mathematical relations describing a complex system; previous experience (e.g. master or final degree project) in the computational implementation of mathematical models.

DESCRIPTION

At IDENER, we are looking for people with experience on the mathematical modelling of processes/systems. The open positions are framed in H2020 projects in which the company is involved.

To carry out her/his activity, the preferred applicant will be part of the IDENER team in charge of these projects and, on the other hand, she/he will closely work together with the other members of the projects' consortium.

The tasks aim the development of dynamical mathematical models of chemical and biotechnology processes and its subsequent computational implementation. The models are the product to combine a partial theoretical structure with experimental data provided by the other project's partners. The specific position's duties are described below:

- To define mathematical models of unitary operations, including thoughtful mass and energy balances, chemical and biological reactions (i.e., chemical extractions, fermentations), mass diffusion processes, etc

- To implement such models using Python or similar scientific programming languages

To perform the selected tasks, the candidate will have access to:

· Agile working methodologies, which are implanted in all the areas of the company,

· Flexible schedule

· A good work environment

· A multidisciplinary high-performance team of colleagues.

Skills required:

· Creativity and Pro-activity

· Analysis and synthesis capacity

· Good level of comprehension, conversation and writing in English

· Capacity to overcome new challenges

· Teamwork capacities

· Experience in (bio)process modelling

A 1-year (extendable) contract is offered. The salary will be established depending on the candidate experience. The fixed remuneration will be reviewed periodically to reflect the work carried out by the team member.

CONTACT:

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