

Microbiology expert

Aphea.Bio is a young start-up company that focuses on the exploitation of natural, beneficial interactions that occur between microorganisms and plants. Aphea.Bio discovers and develops new biology-based agricultural products for crop protection and crop improvement, hence shaping a more sustainable agriculture.

We are seeking highly motivated and innovative scientists to help us carry out the research and development of novel and superior agricultural biological products. Successful candidates will become part of a committed, creative and highly dynamic team with opportunities to take responsibility and for personal development.

Aphea.Bio is based in Gent, Belgium embedded in the largest European Agro-Biotech valley.

To strengthen its R&D team Aphea.Bio is looking for a microbiologist.

Main responsibilities:

- Maintain and further build-up the Aphea.Bio unique collection of micro-organisms (bacteria and fungi)
- Optimizing protocols for culturing and sporulation of bacteria and fungi
- Bacterial and fungal culturing for application to plants
- Identify and characterize micro-organisms e.g. via DNA prep and sequencing techniques
- Microorganisms culturing: strong knowledge of defining optimal growth media and growth conditions for microorganisms belonging to a wide variety of genera and species
- Support the determination of the optimal formulation for microorganism application to crops
- Support scale-up production and fermentation of bacterial and fungal cultures
- Maintain detailed records of procedures and results
- Strengthen the technical team

Qualifications:

- Strong knowledge of the principles, practices and techniques of microbiology research including isolation and culturing conditions for various microorganisms, formulation and fermentation technologies
- Ability to design, organize and maintain an extensive microbial collection
- Ability to read, interpret and optimize technical procedures
- Good communication skills
- Broad experience in fungal handling is a plus

Education and Experience:

- Bachelor or master in Microbiology (or equal through relevant experience) or related degree
- At least 3 years of work experience in microbiology research

Other skills:

- Computer skills: proficiency in Word, Power Point and Excel applications.
- Language skills: fluent in English (written and verbal)
- Interpersonal skills: team player, creative, communicative, committed, flexible, entrepreneurial, organized, problem-solver

Motivated applicants should send their CV including a cover letter to steven.vandenabeele@aphea.bio and Isabel.vercauteren@aphea.bio before August 31, 2020.