

✨ Exciting Opportunity! ✨

The Proteomics and Microbiology group (ProtMic – [Prof. R. Wattiez](#)) of the University of Mons (Belgium), initiated in 2007, focuses on functional proteomics and metabolism research. Actually, the ProtMic group members consists of 2 professors, 1 assistant professor, 5 postdocs, 13 Ph.D. students and 3 technicians.

Our multidisciplinary teams provide knowhow in functional proteomics. Projects, in which we are involved in, are interdisciplinary, but mainly oriented towards life, environmental sciences and agrofoods. Our teams bring their state-of-the-art equipment as well as their expertise while developing new methodologies and research project.

Job description : Post-Doc research position – Microalgae as next generation plant growth additives and control of plant diseases.

We are seeking a highly motivated and skilled **Biochemistry Research Scientist** to join our growing team. This person will be a key player in our interdisciplinary team and will play a crucial role in new project. The ideal candidate will have a strong background in Biocontrol-Plant Biology and a passion for both new solutions for agriculture into interdisciplinary work environment.

Microalgae biomass offer novel sources of plant growth promoters that enhance crop productivity and impart disease resistance. These beneficial effects is assigned to the presence of wide range of biomolecules such as amino acids, polysaccharides and other signaling molecules in microalgae biomass. Their phototrophic nature, high photosynthetic efficiency, and wide environmental adaptability make them an attractive source of biostimulants and biopesticides.

Responsibilities

- Responsible for the coordination and advancement of the Phenix Biocontrol Project in the university : a interuniversity project to develop new biostimulants and plant control agents from photosynthetic microorganisms
- Culture , extraction and formulation from microalgae
- Biostimulation/Biocontrol tests in laboratory
- Responsibility for data analysis and data management
- Contribution to scientific publications
- Diligent project management, administration, and reporting

Requirements

- PhD in biochemistry or Biology/Chemistry
- Knowledge of plant biology and Microalgae
- Extensive experience documented by first and/or last author publications
- Excellent understanding of analytical techniques such as HPLC and mass spectrometry
- Strong computational skills
- Thorough understanding of metabolite chemistry and/or biochemistry
- High level of organization and efficiency
- Excellent oral and written communication skills in English

Also a plus

- Domain knowledge in plant biology, cellular Biology and /or microalgae culture

Offer details

Evaluation of applications will be based on scientific excellence. Successful candidates will be offered a full-time temporary position of 2 years, with possibility of extension.

Salary depends on seniority (6 years max.) and are in accordance with the internal University agreement. The Post-Doc is expected to start in April-June 2024.

Interested candidates are encouraged to submit their motivation letter and their curriculum vitae to ruddy.wattiez@umons.ac.be. The deadline for the submission is **30th April 2024**.

Short-listed candidates will be contacted in April-May 2024 for on-campus interviews. The ProtMic laboratory values diverse perspectives and is committed to continually supporting, promoting, and building an inclusive and culturally diverse high-tech campus environment.

Employment Type : Full-time