

Job Title: Post-Doctoral Fellow in Crop Optimization and Plant Phenotyping

Location: CEA Cadarache, BiAM, FRANCE

Duration: 3 years

Application Deadline: 1st september 2024

Job Description:

CEA invites applications for a post-doctoral fellowship position focused on optimizing barley varieties and sustainable agriculture. This three-year fellowship offers an exciting opportunity to engage in cutting-edge research aimed at developing innovative solutions to enhance crop yields, improve agricultural sustainability, and mitigate the impacts of climate change. This position is part of the excellence fellowship program France2030, PEPR FairCarboN, and offers opportunities to interact with INRAE, and CNRS.

Key Responsibilities:

Conduct fundamental research and experiments to explore and optimize crop performance.

Develop and implement potential solutions for sustainable agriculture and climate change mitigation.

Engage actively with stakeholders, including academic partners, and agricultural organizations such as ARVALIS.

Bridge the gap between scientific research and practical applications in agriculture.

Publish research findings in high-impact scientific journals and present at international conferences.

Contribute to the supervision of graduate students and research assistants.

Qualifications:

A Ph.D. in Plant Science, Agronomy, Agricultural Engineering, or a related field.

Strong background in plant phenotyping using the Licor6800 and/or the MultispeQ.

Proven track record of scientific research, including peer-reviewed publications.

Experience in conducting field experiments and data analysis.

Excellent communication skills and the ability to work effectively with a diverse team of researchers and stakeholders.

Demonstrated commitment to advancing crop science, sustainable agriculture practices, and climate change mitigation strategies.

Preferred Qualifications:

Experience with advanced genomic and phenomic tools for crop optimization.

Familiarity with precision agriculture technologies and data-driven agricultural practices.

Strong project management skills and the ability to lead collaborative research initiatives.

Application Process:

Interested candidates should submit the following documents:

A cover letter detailing their research interests and suitability for the fellowship.

A comprehensive curriculum vitae (CV).

Copies of relevant publications.

Contact information for three professional references.

Please send your application materials to Jean Alric by the 1st of september 2024.

Benefits:

Competitive salary and benefits package.

Access to state-of-the-art research facilities and resources.

Opportunities for professional development and career advancement.

Collaborative and interdisciplinary research environment.

Join us in our mission to revolutionize agriculture and ensure food security in a changing climate. We look forward to welcoming a dedicated and innovative researcher to our team.

CEA is an equal opportunity employer and encourages applications from individuals of diverse backgrounds.

Contact Information:

Jean Alric

Research Director at CNRS

BiAM, CEA Cadarache, FRANCE