

*At SCK CEN, within Biosphere Impact Studies we are looking for a*

## **Researcher in Plant Biochemistry and Plant Molecular Biology**

- To contribute to strategic research on the impact of radiation and radionuclides on the environment
- To execute and develop pioneering lab and field research
- PhD with excellent knowledge on plant biochemistry and plant molecular biology

### **Are you the Researcher we are looking for?**

Within the team of scientists at Biosphere Impact Studies (BIS), you will contribute to strategic research within SCK CEN on the impact of radiation and radionuclides on the environment within the framework of radiation protection and space applications.

With your plant molecular and biochemical expertise you will :

- execute and develop pioneering lab and field research studying the response of plants to radiation and the processes of stress adaptation and sensitivity at different levels of biological complexity using state-of-the-art biotechnological methods and bioinformatic tools.
- give guidance or develop tools and approaches for environmental radiation protection and risk assessment with the output of your research.
- work closely together with the researchers within BIS, the neighbouring teams of Microbiology and Radiobiology within the expert group of interdisciplinary Biosciences and with national and international partners within research projects.
- develop your network with research and valorisation partners.
- take the lead for or contribute to the design and writing of new research or PhD proposals to attract funding.
- coach/mentor students during their PhD research or their Bachelor/Master thesis work.
- take the lead in integrating the research data into scientific publications and present your results at national and international conferences.
- together with the BIS-team, integrate your data into risk assessment tools (e.g. Adverse Outcome Pathways) or evaluate the valorisation potential of your data.

### **To join this frontier, you'll need**

- a PhD degree with excellent knowledge on plant biochemistry and plant molecular biology is required;
- experience in designing plant experiments both for lab and field sampling is essential;

- solid lab skills in plant molecular and biochemistry. Experience in studying the stress responses on different levels of biochemical complexity is a strong plus;
- good skills in biostatistical analysis of data (e.g. through R) is needed. Experience in the bioinformatics and analysis of big datasets (e.g. transcriptomic, epigenomic) is a strong plus;
- a professional and quality driven work attitude, be ready to take responsibilities;
- to be an independent researcher but team player and be able to work in a multidisciplinary environment;
- experience in the writing of project proposals, have good scientific communication skills, and be experienced in the scientific editing of publications and presentations;
- experience in the field of plant stress responses and/or the translation of research data to risk assessment tools is a strong plus;
- excellent knowledge of English language; and knowledge of Dutch and/or French is a strong plus.

Please visit our website: <https://www.sckcen.be/en/careers/vacancies/researcher-plant-biochemistry-and-plant-molecular-biology> for more details on how to apply