

Postdoc 2 years in Chemical Ecology: Biological Nitrification Inhibitors

Aarhus University, Department of Agroecology, DK-4200 Slagelse, Denmark

Application Deadline: Feb 28, 2023

Start date: June 1st 2023 or as soon as possible thereafter

Website: <https://international.au.dk/about/profile/vacant-positions/job/postdoc-in-the-chemistry-of-biological-nitrification-inhibitors-in-agricultural-crops>

Qualifications

We are searching for a highly motivated candidate who has:

- A PhD in analytical chemistry, chemical ecology, biochemistry or similar
- Specialization in mass spectrometry-based analytical chemistry with high skills in the use of instruments, such as LC-MSMS, LC-QqQ(LIT), LC-QTOF and Orbitrap
- Collaborative skills and ability to participate actively in teams
- Enthusiasm for interdisciplinary research

Further, we will prefer candidates with some of the following qualifications:

- Experience in the interpretation of mass spectrometry-based metabolomics data
- Proven publication record in international peer-reviewed ISI journals
- Teaching and supervision experience at the BSc and MSc level
- Interest in developing competitive national and international research applications

Description

The position is part of a newly funded collaborative interdisciplinary NovoNordisk project “Biological Nitrification Inhibition”. The overall objective of the collaborative project is to explore the potential of BNI in wheat production. In this postdoc project we will identify BNI-active compounds in wheat, using three complementary approaches: bioactive-guided fractionation, untargeted metabolomics, and targeted metabolomics. We will use advanced liquid chromatography-mass spectrometry instruments in combination with an *N. europea* bioassay.

Application Materials

Please go to <https://au.career.emply.com/apply/postdoc-in-the-chemistry-of-biological-nitrification-inhibitors-in-agricultural-c/mlrrfc/en> and follow the instructions.

Further questions to:

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