



The Rheinische Friedrich Wilhelms University of Bonn is an international research university with a broad spectrum of subjects. 200 years of history, around 38,000 students, more than 6,000 employees and an excellent reputation at home and abroad: the University of Bonn is one of the most important universities in Germany and has just been awarded the title of Excellence University.

The **professorship for plant breeding** (led by Professor Annaliese Mason) is looking for a five-year position **to be filled 01.08.2023**, for a

## Research Scientist (100%)

This position is part of a European Research Council Consolidator grant, entitled “Stabilising autopolyploid meiosis for enhanced yield”. In this project, we aim to identify or induce (through biotechnological methods) reduced crossover frequencies in autopolyploid *Brassica rapa*, in order to restore genomic stability and fertility. Subsequent stable lines will be assessed for increased hybrid vigour due to the contribution of up to four parents. For more information about our research group please refer to the following: <https://www.inres.uni-bonn.de/plant-breeding/en>

Your duties:

- Clone genes, produce vectors, carry out the *Agrobacterium* transformation protocol and undertake lab-based molecular genetic screening of transformants using PCR, gene amplification and Sanger sequencing
- Analyse results and write journal articles for submission to peer-reviewed journals
- Work with other research scientists and help supervise doctoral students and technicians in the project team

Your profile:

- PhD in genetics, biotechnology or a related field
- At least one accepted publication in an international peer-reviewed journal
- Established skills in molecular genetics, including cloning and other work with plasmids
- Established skills in tissue culture, including excellent sterile technique and preferably experience with *Agrobacterium* transformation
- Good English language skills (written and verbal – German is not required, as English is the working language within the group)

We would prefer candidates also have the following skills, but can teach these if necessary (the candidate should be interested in learning/working with these methods):

- Meiotic and mitotic analysis (classical microscopy)
- Molecular cytogenetics (Fluorescent in situ hybridization, including use of antibodies as probes)

We offer:

- A diverse and international working environment, dealing with highly novel and agriculturally important research questions
- The possibility of undertaking the Habilitation qualification (required to supervise PhD students and traditionally also to apply for professorship positions in Germany)
- A salary at the government pay-scale of E13 TV-L (<http://oeffentlicher-dienst.info/tv-l/allg/>)

**The University of Bonn is committed to diversity and equal opportunities. It is certified as a family-friendly university. Its goal is to increase the proportion of women in areas in which women are underrepresented and to particularly promote their careers. It therefore strongly encourages applications from women with relevant qualifications. Applications are handled in accordance with the State Equality Act. The application of suitable people with proven severe disabilities and persons of equal standing is particularly welcome.**

If you are interested in this position, please send your complete application documents **by 30.06.2023**, quoting the **reference number 47/23/3.202**, for technical reasons only in a PDF file by e-mail to [spz@uni-bonn.de](mailto:spz@uni-bonn.de). Please

submit a complete curriculum vitae, a cover letter in which your interests and experience are described in detail, a copy of one of your publications, and either three written references or the contact details of three referees who are happy to be contacted. For further information, please contact Prof. Annaliese Mason ([annaliese.mason@uni-bonn.de](mailto:annaliese.mason@uni-bonn.de)).