

Postdoctoral position in plant molecular biology and genetics



We are seeking candidates to fill a postdoc position in the Laboratory of Genome Biology at the Adam Mickiewicz University, Poznan, Poland, to begin in November 2022.

The postdoc will investigate the mechanisms underlying first steps in meiotic recombination in plants, especially the formation of double strand breaks (DSBs). This will be done with a special focus on proteins controlling DSB formation, including ATM, ATR and RAD17 and in different contexts of sequence heterozygosity. Furthermore, we will try to understand how information on heterology between the invading strand and homologous chromosome gathered and how it affects crossover formation. In parallel, the postdoc will apply GWAS and QTL mapping to identify factors involved in the control of meiotic recombination in plants.

This is one year fixed-term contract. The position does not involve teaching duties however the researchers are expected to assist in training of undergraduate students.

The successful candidate will have PhD degree in biology, genetics or related field and a strong publication record. Candidates with a good background and hand-on experience on Arabidopsis genetics, GWAS, QTL mapping are encouraged to apply. The project would significantly benefit from applying Arabidopsis meiotic cytology, therefore this expertise is considered an advantage.

Please submit the following documents with your application:

- CV which gives an overview of the academic/education history
- Letter of motivation
- Names and contact information of at least two academic referees

Application deadline: **10.09.2022**

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<http://dgb.amu.edu.pl>

