



Postdoctoral Research Associate - Plant Molecular Biology and Genetics

Ziolkowski's Lab

We are seeking candidates to fill the three-year postdoc position in the Department of Genome Biology at Adam Mickiewicz University in Poznan, Poland, to begin in summer 2018. The position is co-funded by the National Science Centre of Poland and European Molecular Biology Organization (EMBO) and does not involve teaching duties. The project investigates the mechanisms underlying first steps in meiotic recombination in plants, especially the formation of double strand breaks (DSBs). Using cutting-edge technologies, we will investigate how different chromatin factors affect meiotic DSB formation. We are also interested in understanding how information on heterologies between the invading strand and homologous chromosome is gathered and how it affects crossover formation. This is based on recent findings of the *cis* effect of heterozygosity on meiotic recombination in plants (Ziolkowski et al., eLife 2015; Ziolkowski & Henderson, New Phytol. 2016) and crossover control by the HEI10 E3 ubiquitin ligase (Ziolkowski et al., Genes Dev. 2017). The project will be carried out in collaboration with Dr Ian Henderson's lab at the University of Cambridge.

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 molecular genetics, CRISPR/Cas9, NGS and/or CHIP-seq are encouraged to apply.

Please submit the following documents with your application:

- cover letter,
- scientific CV with a list of publications and other achievements,
- copy of PhD diploma,
- opinions about the candidate issued by two independent researchers,
- contact information.

Application deadline: 31.05.2018

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