

PhD student - Plant Molecular Biology and Genetics

Department of Biotechnology

Adam Mickiewicz University

Piotr Ziolkowski Lab

We are seeking candidates to fill the PhD position in the Institute of Molecular Biology and Biotechnology at Adam Mickiewicz University, Poznan, Poland, to begin in spring 2017. The project investigates the mechanisms underlying meiotic crossover formation in plants. The specific focus area is the control of the first step in crossover pathways, which is double-strand break formation. We will examine how genetic heterozygosity detected during strand invasion affects double-strand breaks frequency and crossover designation. This will be done with a number of genetic and molecular approaches, including CRISPR/Cas9-based genome editing and NGS. The project will be carried out in collaboration with dr Ian Henderson group in Cambridge.

The successful candidate will have M.S. degree in biology, genetics or related area. Candidates with a strong background and hand-on experience on plant molecular biology or genetics are encouraged to apply.

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