



PhD position

at the Institute of Experimental Botany of the Czech Academy of Sciences, Olomouc, Czech Republic

Nondisjunction of the B chromosome in maize



Hosting team

<https://olomouc.ueb.cas.cz/en/research-groups/bartos-group>

  @bartos_group



Application

Application should consist

- **curriculum vitae**
- **motivation letter**
- degree certificate
- contact information for at least **two references**.

Please submit the application in electronic form (pdf format) to bartos@ueb.cas.cz before **July 31, 2024** (may be extended until filled).

Starting date

September 2024 (or by agreement)

We are seeking a **highly motivated PhD student** to work on the characterisation of candidate gene(s) involved in the process of nondisjunction. The successful candidate will be responsible for the validation of selected gene(s) and the description of their interaction network using a combination of molecular, cytogenetic, bioinformatic and cell biological approaches.



Required qualifications and skills

- Master's degree in molecular biology, genetics, plant sciences, bioinformatics or a related discipline
- A strong desire to engage in research projects, develop new methods and interact scientifically in a dynamic research group
- Adherence to good laboratory practice
- Critical and creative thinking, problem solving and decision making skills
- Effective communication skills in English (written and oral), ability to report and present data



We offer

- An attractive and stimulating working environment
- Friendly atmosphere of a supportive and cooperative team
- Monthly income ≈30,000 CZK
- Additional support - international mobility, conference attendance, etc.



Working environment

The Centre of Plant Structural and Functional Genomics is an internationally recognised research unit within the **Institute of Experimental Botany**. The Centre is located on the campus of Palacký University in Olomouc, a rich environment for research in plant sciences. The host team (**Plant B chromosome biology** research group led by **Jan Bartoš**) combines expertise in genomics, cytogenetics, molecular biology, bioinformatics and chromosome biology. The group currently consists of three post-docs, three PhD students and one research assistant.

