

Genetic Plant Biodiversity

— Blended Intensive Programme (BIP)

International **Hands-On Course** in Modern Plant Science



Why Join?

Gain hands-on experience with cutting-edge methods used to study and protect plant biodiversity. This intensive course combines laboratory work, bioinformatics, and real-world field research, giving you practical skills in plant biotechnology, molecular genetics, phylogenetics, and DNA analysis — all within an international learning environment.

Who Can Apply?

Bachelor, Master, and PhD students in biology, botany, ecology, environmental sciences, or related fields who are motivated to deepen their knowledge of plant biodiversity research.

Credits & workload

- 3 ECTS credits
- Active participation in lectures, laboratory work, field excursion.

Course Programme

Monday 13 July 2026

- Introduction and Orientation
- Plant In Vitro Cultures of Endangered and Medicinal Plants — Theory and Practice

Tuesday 14 July 2026

- Basic Processing of Biological Samples and PCR Techniques
- qPCR and RT-PCR

Wednesday 15 July 2026

- From Basic Manipulation of Sequencing Data to Phylogenetics

Thursday 16 July 2026

- Fundamental Principles of Population Genetics
- Final Remarks and Discussion

Friday 17 July 2026

- Botanical Excursion to the Jeseníky Mountains — A Regional Center of Plant Biodiversity

13–17 July 2026

Olomouc, Czech Republic



Erasmus+



Palacký University
Olomouc

Genetic Plant Biodiversity

— Blended Intensive Programme (BIP)

International **Hands-On Course** in Modern Plant Science



Funding

- The course is organised as an Erasmus+ BIP.
- Students coming from partner universities can receive an Erasmus+ short-term blended mobility grant to support travel costs and living expenses during the physical stay in Olomouc.
- The grant amount and administration are handled by the International Office of the student's home university.

How to Apply?

1. Nomination by your home university

- Your Erasmus+ / international coordinator nominates you for the BIP by sending your name and e-mail address (and those of other nominated students) to marie.rakova@upol.cz.
- Nomination deadline: **5 June 2026**

2. Confirmation & next steps

- Nominees / applicants will receive a confirmation of acceptance and practical information about travel, accommodation and the online kick-off session.
- Upon successful completion, you will receive 3 ECTS, a Transcript of Records and a Certificate of Attendance.

Organizer

Department of Botany
Faculty of Science
Palacký University Olomouc

Address:

Šlechtitelů 27, Olomouc, Czech Republic

Contacts:

Vladan Ondřej: vladan.ondrej@upol.cz
Marie Raková: marie.rakova@upol.cz

13–17 July 2026
Olomouc, Czech Republic



Erasmus+



Palacký University
Olomouc