



UNIwersytet Jagielloński  
w Krakowie

**MAŁOPOLSKA CENTRE OF  
BIOTECHNOLOGY**

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Krakow, 17.01.2022 r.

**DIRECTOR  
OF MAŁOPOLSKA CENTRE OF BIOTECHNOLOGY  
at Jagiellonian University  
announces a competition for a Student Scholarship  
in the Plant Molecular Biology Laboratory group  
at the MAŁOPOLSKA CENTRE OF BIOTECHNOLOGY  
(project Opus 19, National Science Centre)**

The Plant Molecular Biology Laboratory (laboratory of Dr Kenji Yamada) is carrying out research analysing the function of plant endomembrane systems such as the endoplasmic reticulum, vacuoles and peroxisomes. The laboratory is looking for a PhD Student to join a OPUS project entitled “Gene Regulatory Mechanism for the Mustard Oil Bomb Defence System of ER Bodies in Brassicaceae”. The successful candidate will join a project that aims to understand detailed molecular aspects of a plant defence system based on glucosinolate-myrosinase system.

**Key responsibilities include:**

1. Analysis of transcriptional regulation for ER body formation that is involved in glucosinolate-myrosinase defence system
2. Analysis of plant defence with establishing insect-plant or fungi-plant interaction assays
3. Identification of new genes for glucosinolate-myrosinase defence system
4. Cell biological and physiological analysis of newly identified factors in glucosinolate-myrosinase defence

You can find more information about the Plant Molecular Biology Laboratory on the website: <http://www.mcb.uj.edu.pl/laboratorium-biologii-molekularnej-roslin>, or contact Kenji Yamada ([kenji.yamada@uj.edu.pl](mailto:kenji.yamada@uj.edu.pl)).

The ideal candidate should:

1. Possess a Master degree in molecular biology, plant biology or related discipline
2. **Be registered as a PhD student**
3. Have good written and oral communication skills in English
4. Show a good level of independence, self-motivation and reliability
5. Having an experience in DNA, RNA, protein analyses and confocal laser scanning microscopy - would be an advantage
6. Work collaboratively with other laboratory members as a team

Candidates should submit the following documents (in English) to the Malopolska Centre of Biotechnology office, Cracow ul. Gronostajowa 7A, room 3/12 or electronically in the .pdf format by email to [kenji.yamada@uj.edu.pl](mailto:kenji.yamada@uj.edu.pl). In email title please include "Opus Phd"

1. CV
2. Motivation letter
3. Publications list
4. Copy of Master's degree
5. Conformation of phd status.
6. Signed agreement for processing personal data (format available on the MCB website)

**Opening date:** 17.01.2022

Application submission deadline: 30.01.2022

The competitive selection process will be concluded by: 04.02.2022

On behalf of  
the Rector of the Jagiellonian University

*dr Danuta Earnshaw, prof. UJ*  
*Director of Malopolska Centre of Biotechnology*