



UNIVERSITY OF AGRICULTURE
IN KRAKOW



NARODOWA AGENCJA WYMIANY AKADEMICKIEJ



Slovak University of Agriculture in Nitra
Faculty of Agrobiolgy and Food Resources
Department of Animal Genetics and Breeding Biology
Faculty of Biotechnology and Food Sciences
Department of Food Hygiene and Safety



Internship:

“Molecular approaches of identifying and authenticating the added value of plant genetic resources”

within

‘CULTURAL HERITAGE OF SMALL HOMELANDS’ project

under the

Polish National Agency for Academic Exchange

International Academic Partnerships

Nitra, 09 – 11 May 2019

Programme

09 May 2019 (Thursday)

Arrival to Nitra

check in at the Pribina dormitory, Tr. A. Hlinku 38 949 01, Nitra

10 May 2019 (Friday)

Tr. A. Hlinku 2, Nitra, FAPZ, Pav. T, 1st Floor, room AT-13

- 9:00 – 10:30 Professional excursion of Research centre AgroBioTech - Žiarovská, J., Zamiešková, L.
- 10:30 – 11:00 Coffee break
- 11:00 – 12:00 Authentication of plant food resources. Molecular safety of food resources – lab and in silico biosafety testing approaches - Žiarovská, J., Zamiešková, L.
- 12:00 – 13:00 Lunch
- 13:00 – 14:30 MicroRNA-based markers as a tool of genome fingerprinting and plant response to abiotic stress factors - Ražná, K., Štefúnová, V.
- 14:30 – 15:00 Coffee break
- 15:00 – 16:00 Bioinformatics tools and laboratory work flow of microRNA-based marker assay - Ražná, K., Štefúnová, V.
- 16:00 – 16:30 Józef Hernik, Maria Walczycka - Actions planned and summary.



11 May 2019 (Saturday)

Departure

Organizer Department of Genetics and Plant Breeding, Faculty of Agrobiology and Food Resources, **Slovak University of Agriculture in Nitra**

Instructors assoc. prof. Katarína Ražná, PhD.
assoc. prof. Jana Žiarovská, PhD.
Dipl. Ing. Veronika Štefúnová, PhD.
Dipl. Ing. Lucia Zamiešková

Content The Aim of the Internship is molecular and bioinformatics approaches of plant genetic resources evaluation and authentication in the context of biological safety and environmental adaptability. Topics include: authentication and molecular safety evaluation of plants; functional and microRNA markers in plant fingerprinting. The main focus will be given on specific lab procedures and bioinformatics tools. Lectures will be combined with practical demonstration.

Time and place The Internship will take place on 10. May, 2019 at the Department of Genetics and Plant Breeding, FAFR, SUA in Nitra, Tr. A. Hlinku 2, 949 76 Nitra. All lectures and exercises will take place in meeting room of the Department of Genetics and Plant Breeding Biology (main building, pavilion A, fourth floor).