



EWRS & IWGC Training course “Weed genomics”

The EWRS Working groups “Education & Training”, “Weed Management in Mediterranean Cropping Systems” and “Herbicide Resistance” are organizing a 4-day in-depth training course on weed genomics in February/March 2023. The course will be supported by the International Weed Genomics Consortium (IWGC). The course is aimed at students, Ph.D. candidates and postdocs actively involved in research on weed genomics, weeds resistant to herbicides and weed stress.

In this course, we will provide an overview of concepts and tools that can be used to access and analyze the genome of weed species and populations genetics.

More specifically, the focus of the course will be on:

1. Introduction to genomic, IWGC, and herbicide resistance
2. Introduction to the IWGC database - Weedpedia
3. Genome sequence generation, analyses and specific questions
4. Transcriptome analyses, pitfalls and additional information
5. Other genomic technologies (e.g. QTL analyses, etc.)
6. Practical work exploring non-target site resistance and /or other weed traits

Aside from deepening your scientific knowledge, this course also offers an excellent opportunity to broaden your network and to interact with established scientists. Additionally, students can be awarded 2 ECTS-credit points from Ondokuz Mayıs University (Turkey) when successfully participating in the course.

Lecturers

Roland Beffa (Senior Scientist Consultant, Germany)

Eric Patterson (Michigan State University, US)

Dana MacGregor (Rothamsted Research, UK)

Maor Matzrafi (Agricultural Research Organization - Volcani Institute, Israel)

Other lecturer to be announced

Date of the course: 27 February - 02 March 2023

Venue

The course will take place at the **Concorde de Luxe Hotel, Antalya (Turkey)**. The hotel is located 10 km from Antalya airport and can be easily reached with a 15-minute drive by taxi.

Course Organizers

Prof. Dr. Hüsrev Mennan (Ondokuz Mayıs University, Turkey)

Dr. Maor Matzrafi (Agricultural Research Organization - Volcani Institute, Israel)

Dr. Lena Ulber (Julius-Kuehn Institut, Germany)

Dr. Roland Beffa (Senior scientist consultant, Germany)

Local Coordinator

Prof. Dr. Hüsrev Mennan

Ondokuz Mayıs University, Plant Protection

55139 SAMSUN, Turkey

E-mail: hmennan@omu.edu.tr

Accommodation

Accommodation is also offered in the Concorde de Luxe Hotel. Accommodation costs for 4 nights (check-in 26 February and check-out 02 March) including all meals and beverages are covered by EWRS and IWGC for participants sharing a double room. For accommodation in a single room, participants will have to pay an additional cost (~61€/night).

If students are planning to stay an extra night before or after the event; the following special rates from Concorde de Luxe Hotel will apply (including all meals and beverages): Single person room: 131€ / Double room: 150€ / Three person bedroom: 203€.

Fees and costs

There is no fee to attend the course which will be limited to a maximum of 20 attendees.

Travel grants are offered for young scientists (i.e. Master-students, PhD-students and scientists younger than 35 years of age) which will refund part of their travel expenses. Travel grants can be applied for by sending an e-mail to Maor Matzrafi (maorm@volcani.agri.gov.il), Lena Ulber (lena.ulber@julius-kuehn.de) and Roland Beffa (roland.beffa@t-online.de) not later than **01 December 2022**.

The maximum amount of the travel refund cannot exceed €250. If the applicant is not an EWRS-member, an amount equal to the yearly EWRS fee (€30 for students and €60 for regular members) will be deducted from the subsidy, and the applicant will be enrolled in EWRS for a year.

Applications for the travel grant need to include in their e-mail:

- A short motivation letter (limited to one page).
- A brief curriculum vitae (limited to one page).
- An estimate of the costs for travel and accommodation (only if single room required)
- A statement from the home institute/supervisor that they will cover the remainder of the expenses for travel and accommodation, should the travel grant be awarded.

Successful applicants will be informed about the allocation of subsidy by the organizers in due time. The EWRS does not provide the subsidy in advance. Travel expenses will be reimbursed to subsidiaries by bank transfer after active participation in the workshop. Details on reimbursements and declaration forms will be provided later on by the EWRS Treasurer.

Registration

Please send your registration by e-mail to Husrev Mennan (hmennan@omu.edu.tr), copy to Lena Ulber (lena.ulber@julius-kuehn.de), Maor Matzrafi (maorm@volcani.agri.gov.il) and Roland Beffa (roland.beffa@t-online.de) until **16 December 2022** with the course application form attached. Participants applying for the travel grants should also attach the above-mentioned documents.