



## Coordinators

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# CoE CroP-BioDiv Summer School

**Molecular Diversity  
and Plant Breeding**



CroP-BioDiv



Operativni program  
KONKURENTNOST  
I KOHEZIJA



Europska unija  
Zajedno do boljšia EU



EUROPSKI STRUKTURNI  
I INVESTICIJSKI FONDovi

May 11<sup>th</sup>-13<sup>th</sup> 2022

Zagreb



## Overview

The program has a focus on presenting students with the latest research from the area of molecular plant breeding and genetics. The lecturers will include researchers from Centre of Excellence for Biodiversity and Molecular Plant Breeding (CoE CroPBio-Div) and their international collaborators. The program is aimed at Ms and PhD students. For students coming from outside Zagreb, there is a possibility of financing accommodation and travel to Zagreb.

## Location

University of Zagreb, Faculty of Agriculture  
Svetošimunska cesta 25, Zagreb, Croatia

## Time

May 11<sup>th</sup>-13<sup>th</sup>, 2022

## Requirements

Participants should bring a working computer (Windows OS) with QGIS installed for the third day of the program (more details will be provided a week before the start of the Summer School)

## Registration

Registration will be open until 24<sup>th</sup> of April 2022. Please sign up for the program on the link below:

<https://forms.gle/UPLYKagzp7oMAr5d7>

After registration closes, chosen participants will be notified via e-mail. All participants will receive a certificate of attendance after completing the program.



## Program

### Wednesday, May 11<sup>th</sup>

- >>Corn – from primer to kriging<<
- >>Validation of molecular markers associated with preharvest sprouting resistance in wheat<<
- >>Genomic selection for wheat grain quality traits<<
- >>Population structure and genome-wide association mapping for seed quality traits in soybean<<
- >>Phenotyping of Croatian native grapevine (*Vitis vinifera* L.) varieties in susceptibility to the causal agent of downy mildew (*Plasmopara viticola*) <<
- >>Metabolomic discrimination of different geographic groups of grapevine varieties<<
- >>Resistance of wild and cultivated olive genotypes to increased salinity and drought<<
- >>Morphological and genetic diversity of *Brassica incana* L. complex and kale (*Brassica oleracea* var. *acephala*) <<
- >>Multispectral analyses as a tool for setting up drought stress experiments<<
- >>Diversity of Croatian common bean landraces<<
- >>The well-tempered genome data, case of chloroplast sequences<<

### Thursday, May 12<sup>th</sup>

- >>Conservation and management of olive genetic resources<<
- >>Biodiversity of medicinal and aromatic plants in Albania: Challenges for the future<<
- >>Citrus bark cracking viroid discovery in hops opens new research directives<<

### Friday, May 13<sup>th</sup>

- >>Integration of molecular and biochemical data with spatial (practical approach using QGIS) <<