



COST863
International Berry Summer School
(IBSS)

Genetic approaches for improving berry adaptability and nutritional quality

PROGRAM

May 25 – 30

Ancona – Cesena (IT)



Università Politecnica delle Marche
Alma Mater Studiorum Università di
Bologna





The course is targeted to participants that have a solid foundation in berry breeding, molecular biology, cultivation technology and who have current or defined plans for research in the area of berry genetics and cultivation technology, within the theme of berry production.

The course will be divided into hands-on modules, combining plenary lectures, laboratory and field training, to be held in Ancona. The teaching program will be focused on the main aspects of breeding and biotechnology programs currently applied to berries (strawberry, raspberry, blackberry, blueberry and black and red currant) for the production of new varieties with increased adaptability to different cultivation conditions and improved fruit quality and nutraceutical value.

Aspects related to fruit nutraceutical value will be deeply developed in the international conference on “Foodomics: genomics, proteomics and metabo(l/n)omics of food” (<http://foodsci.unibo.it/foodomics/>), organized in collaboration with COST863 – IBSS and the Food Science Department of Bologna University, at the Cesena campus.

Visits to different berry production areas can be organized if requested by the participants.

The official language of the workshop will be English.

Updates of the program will be available on <http://www.euroberry.it/workinggroup/index.html>

Contacts for information:
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PROGRAMME



**Monday,
May 25**

8.00 Registration
8.30 Welcome and Introduction to the International Berry School, *Bruno Mezzetti, UNIVPM - SAPROV*

Room C 9.00 Berry plant physiology - *Davide Neri, UNIVPM - SAPROV*
10.00 Berry Aroma compounds - *Detlef Ulrich, Quedlinburg, GE*
11.00 Strawberry ploidy and molecular markers – *Beatrice Denoyes-Rothan INRA Boreaux, FR*
12.00 Breeding and biotech for Nutritional Quality – *Bruno Mezzetti, UNIVPM – SAPROV*
13.00 Lunch

Room C 14.30 Strawberry functional genomics - *Kevin Folta, University of Florida*
16.00 Utilizing wild germplasm in strawberry breeding - *J.F. Hancock, Michigan State University, East Lansing, MI - USA*
17.30 Informatic models for Pest Management - *Pedro Palencia García, Huelva University,*

**Tuesday,
May 26**

Room G 8.30 Raspberry breeding and biotech - *Nikki Jennings, SCRI, Dundee, UK*
10.00 GMO and biosafety in berry – *Bruno Mezzetti, Marche Polytechnic University, IT*

Room E 11.00 Post-harvest technology in Strawberry - *Fátima Martínez Ruiz, Huelva University, SP*
12.00 Induced biotic stress resistance in strawberry - *Gianfranco Romanazzi, UNIVPM SAPROV*
13.00 Lunch
14.30 Laboratory Training (3 groups)
 Quality and bioactive compounds – *Maurizio Battino*
 Plant Architecture – *Davide Neri*
 Regeneration and Genetic transformation – *Bruno Mezzetti*

20.00 *Beach Dinner*

**Wednesday,
May 27**

- Room G 8.30** Breeding blackberry - *Chad Finn, USDA ARS, Corvallis, USA*
- 10.00** *Ribes* crops (Blackcurrant and gooseberry) - *Stan Pluta, INSAD, Poland*
- 11.30** Breeding blueberry - *Jessica Scalzo, Plant and Food, NZ*
- 13.00** Lunch
- 15.00** Field Training
Strawberry field breeding evaluations and discussion on practical breeding activities
Bruno Mezzetti and Franco Capocasa
- 18.30** *Fragolata* – eating strawberry, lonza and pecorino

**Thursday,
May 28**

- 7.30** Bus departure to Cesena
- 10.00** International conference on “Foodomics: genomics, proteomics and metabo(l/n)omics of food” <http://foodsci.unibo.it/foodomics/>, see program: http://foodsci.unibo.it/foodomics/index_file/program.pdf
- Sleeping at Cesena Hotel (booking from local organizers)

**Friday,
May 29**

- 9.00** International conference on “Foodomics: genomics, proteomics and metabo(l/n)omics of food” <http://foodsci.unibo.it/foodomics/>, see program: http://foodsci.unibo.it/foodomics/index_file/program.pdf
- 16.00** Visit and training at the Cesena Strawberry breeding field.
- 19.00** Return to Ancona

**Saturday,
May 30**

On request field visits can be organized.



Teachers and Students supported by COST will receive an official invitation letter directly from the EU COST office including all information about travel reimbursement and daily allowance.

How to reach Ancona by Airplane

Directly to Ancona Airport "Raffaello Sanzio" <http://www.ancona-airport.com>, with Alitalia (via Roma) or Lufthansa (via Munich) connections.

Or quite easy are the train connections from Bologna (2 hours) and Rome (3.30 hours) airports.

For train connections see on web: <http://trenitalia.it/>

The following two hotels are suggested for accommodation in Ancona. We can make the reservation or you can contact directly the hotel by mentioning the participation to the Berry School organized by the University.

Hotel City

www.hotelcityancona.it

112/114, V. Matteotti 60121 Ancona (AN) 071 2070949

info@hotelcityancona.it

Albergo Roma & Pace

www.hotelromaepace.it

Via Leopardi Giacomo, 1, 60122 Ancona (AN), 071 2074736

info@hotelromaepace.it

To reach both hotels from Ancona railway Station

At the second platform get into the bus 1/4 (to the city centre, CENTRO) e get off at Piazza Roma for Hotel Roma e Pace and at Piazza Cavour for Hotel City (See Map).

TO REACH THE FACULTY OF AGRICULTURE CAMPUS FROM PIAZZA CAVOUR

From piazza Cavour, see map, bus number 46 leaves every 15 minutes to TAVERNELLE.

Get off at UNIVERSITÀ –MONTEDAGO, the last stop, then five minute walk up to the campus, the first red building is the Faculty of Agriculture (Facoltà di Agraria). Check on the lobby for the teaching rooms.

