

GoodBerry – 2nd Berry School – Programme



Overall topic: Plant genetics, physiology and fruit quality control

Local Organizer: Institut National de la Recherche Agronomique
(GoodBerry partner & local organizer)

Ciref Création Variétale Fraises Fruits Rouges
(GoodBerry partner & co-organizer)

Venue: Institut National de la Recherche Agronomique (INRA)
Building A4
71 avenue Edouard Bourlaux
33140 Villenave-d'Ornon, FRANCE

Date: March 13 – 16, 2018



GoodBerry 2nd Berry School – Bordeaux

Day 1 – Tuesday, March 13th, 2018

14:00 – 14:30	Welcome and introduction to Institut National de la Recherche Agronomique and to the Berry School programme Béatrice Denoyes, INRA, France & Sonia Osorio, University of Málaga, Spain
14:30 – 15:00	Introduction of Berry School participants Each person should briefly introduce her-/himself (1 min each with 1-2 slides)
15:00 – 15:45	Secondary metabolites and fruit quality Wilfried Schwab, Technical University of Munich, Germany
15:45 – 16:15	<i>Coffee break</i>
16:15 – 17:00	New breeding techniques: opportunities and limits for berry improvement Bruno Mezzetti, Marche Polytechnic University, Italy
17:00 – 17:45	Blackcurrant breeding and linking phenotype and genotype in Scotland Dorota Jarret, James Hutton Institute, UK
17:45	<i>End of Day 1</i>

Day 2 – Wednesday, March 14 th , 2018	
Field trip to INVENIO and Ciref	
07:45 – 10:00	<i>Departure from INRA, Villenave d’Ornon</i> <i>Bus trip to the 1st field site</i>
10:00 – 11:30	Technical field trip to INVENIO, Sainte Livrade-sur-Lot Strawberry cultivation optimization (chilling and irrigation) in soilless system
11:30 – 13:00	<i>Departure from INVENIO, Sainte Livrade-sur-Lot</i> <i>Bus trip to the 2nd field site</i>
13:00 – 14:30	<i>Lunch at “Tropicana” restaurant, Douville</i>
14:30 – 17:00	Technical field trip to INVENIO & Ciref, Douville Micropropagation, plant acclimatation, strawberry variety trials, strawberry breeding, GoodBerry strawberry trials
17:00 – 18:30	<i>Departure from INVENIO & Ciref, Douville</i> <i>Bus trip to INRA</i>
18:30 – 19:00	<i>End of Day 2</i>



INVENIO



INVENIO (www.invenio-fl.fr) is an experimentation institute in fruits & vegetables, located in the South-West of France (5 sites). We will visit the strawberry trials in both sites where strawberry is studied, in Sainte Livrade-sur-Lot city and in Douville city.

INVENIO in Sainte Livrade-sur-Lot

Address:

Domaine de Lalande
47110 Sainte Livrade-sur-Lot
FRANCE

Studies on strawberry, organic apple, melon, pepper, eggplant, zucchini, salad, industrial tomato, stevia, goji....

Facilities:

- 4,500 m² of glasshouses
- 2,800 m² of greenhouses
- 1,000 m² of plastic tunnels
- 11 ha of fields
- A workshop for agricultural engineering to create prototypes

INVENIO in Douville

Address:

Maison Jeannette
24140 Douville
FRANCE

Studies on strawberry and chestnut.

Facilities:

- 8,000 m² of soilless system plastic tunnels for strawberry studies
- 5,000 m² of soil system for strawberry studies,
- 1,500 m² of strawberry plant nursery
- A laboratory for fruit quality studies (Brix, Total Acidity, firmness...)
- A micropropagation laboratory for strawberry, chestnut...
- A plant acclimatation area and nursery for young chestnut trees
- 12 ha of chestnut fruit orchards



Ciref



Address:

Maison Jeannette
24140 Douville
FRANCE

Ciref (ciref-agriculture.fr/en) is a strawberry breeding association for the French growers founded in 1978. The main selection specifications are high fruit quality (taste, appearance, shelf life), and profitability and production devices (yield, precocity or remontancy, hardiness, speed of picking). Operations are breeding, selection, variety development and applied research to ease and to speed up the breeding (Marker-Assisted Selection...). The main varieties are 'Charlotte', 'Ciflorette', 'Cirafine', 'Osiris' and 'Rubis des Jardins'.

Day 3 – Thursday, March 15 th , 2018	
09:30 – 10:15	Genetic control of fruit quality in strawberry Iraida Amaya, IFAPA, Spain
10:15 – 11:00	Dormancy in berries Erika Krüger, Hochschule Geisenheim University, Germany
11:00 – 11:30 <i>Coffee break</i>	
11:30 – 12:15	How to improve strawberry production under tunnel and greenhouse in France (physiological and environmental factors)? Marie-Noële Demené, INVENIO, France
12:15 – 13:00	Identification and validation of gene controlling fruit growth (Tomato) Lucie Fernandez, INRA, France
13:00 – 14:15 <i>Lunch</i> <i>INRA cafeteria (building B1)</i>	
14:15 – 15:00	Genomics in strawberry: what we know until today Béatrice Denoyes, INRA, France
15:00– 15:45	Deciphering spatio-temporal development of strawberry plant Marc Labadie, INRA, France
15:45 – 16:15 <i>Coffee break</i>	
16:15 – 17:00	Discovery of epigenetics in plants Emeline Teyssier, University of Bordeaux, France
17:00 <i>End of Day 3</i>	



Day 4 – Friday, March 16 th , 2018	
09:30 – 10:15	Flowering in plants Amèlia Gaston, INRA, France
10:15 – 11:00	The plant cuticle: the first bulwark to protect the fruit and its quality Johann Petit, INRA, France
11:00 – 11:30	<i>Coffee break</i>
11:30 – 12:15	A French breeding programme of strawberry Philippe Chartier, Ciref, France
12:15 – 13:00	Visit of Bordeaux metabolome facility Annick Moing, INRA, France
13:00 – 14:00	<i>Lunch break</i>
14:00	<i>End of Day 4</i>