



**CIB**  
**CONSORZIO**  
**INTERUNIVERSITARIO**  
**BIOTECNOLOGIE**



## IX CORSO DI GENETICA VEGETALE

### Interactions between plants and other organisms: From molecular and chemical signals to crop improvement Programme

#### Monday 7 June

14.00 - 15.00	Registration
15.00 - 15.30	Opening and Introduction – <b>Rosa Rao</b>
15.30 - 19.00	Session 1 – Beneficial relationships (I)
15.30 - 16.30	GENERAL BACKGROUND – Beneficial microbes which interact with plants: Molecular mechanisms of the mycorrhizal symbiosis – <b>Paola Bonfante</b>
16.30 - 17:00	Break
17.00 - 18.00	Titolo da definire – <b>Matteo Lorito</b>
18.00 – 19.00	Titolo da definire - <b>Uta Paszkowski</b>
19:00-19:30	General discussion

#### Tuesday 8 June

9.00 - 13.00	Session 2 – Beneficial relationships (II)
9.00 - 10.00	Rhizosphere organism ecophysiology and plant relationships – <b>Anna Benedetti</b>
10.00 – 11.00	Positive association between plants and microorganisms: plant growth promoting bacteria – <b>Sara Borin</b>
11.00 – 11.30	Break
11.30 – 12.30	Symbiotic-Nitrogen-Fixation, general description and N-dependent signaling regulatory pathway - <b>Maurizio Chiurazzi</b>
12.30 – 13.00	General discussion
13.00	Lunch
15.00 – 17.30	Session 3 - Student presentation session (chaired by the students)
15.00 – 16.00	4 presentations
16.00 – 16.30	Break
16.30 – 17:30	4 presentations

#### Wednesday 9 June

9.00 – 12.00	Session 4 – Negative interactions (I)
9.00 – 10.00	Plant response to insects: molecular mechanisms of induced

10.00 – 11.00	defences – <b>Giandomenico Corrado</b>
	Host-parasitoid interactions: molecular bases and applied perspectives – <b>Franco Pennacchio</b>
11.00 – 12.00	Mechanisms of plant resistance to viruses - <b>Mario Tavazza</b>
13.00	Lunch
15:00 – 19.00	Session 5 – Negative interactions (II)
15:00 – 16.00	A domain swap approach to unveil the function of plant receptor-like kinases in defence and development – <b>Giulia De Lorenzo</b>
16.00 - 17.00	Towards the definition of the interactions between phytoplasmas and their hosts – <b>Piero Bianco</b>
	Break
17.00 – 17:30	Linking molecular markers to R genes: a first step towards marker assisted breeding – <b>Jim Bradeen</b>
17.30 – 18:30	General discussion (sessions 4 and 5)
18:30 – 19:00	

#### Thursday 10 June

9.00 – 13.00	Session 6 – Plant breeding and perspectives
9.00 – 10.00	Towards precision breeding in potato: developing molecular diagnostics tools - <b>Christiane Gebhardt</b>
10.00 – 11.00	Endophytic fungi in cool-season grasses and implications for the breeding of host species – <b>Luciano Pecetti</b>
	Break
11.00 – 11.30	Intracellular symbiosis and lateral gene transfer from cellular organelles to the cell nucleus - <b>Claudio Bandi</b>
11.30 – 12.30	
12:30 – 13:00	General discussion
13.30	Lunch