

Ph.D. WINTER SCHOOL

of the Italian Society of Agricultural Chemistry

Novel approaches to unravel the plant-soil-microbial systems in action

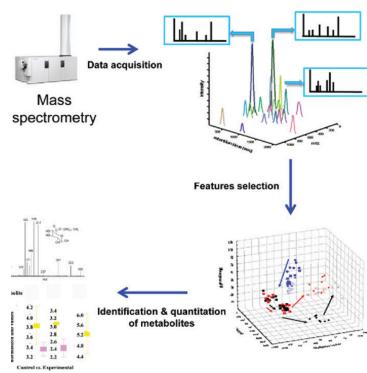
Piacenza, 15th-18th February 2016

School aims

The aim of the incoming edition of the Ph.D. winter school of the Italian Society of Agricultural Chemistry is to bring together Ph.D. students and young scientists in order to share experiences, problems and ideas while having invited lectures, working groups and demonstration sessions.

The School targets to provide a comprehensive account of the latest approaches and trends related to the study of those mechanisms underlying the interactions between plant, soil and microorganisms. A balanced mix of national and international scientists will support school sessions. Omic technologies, together with the interpretation of "big data", will represent a central topic of the School.

The final, detailed programme will be available soon.



Draft programme

The school is organised in four scientific sessions that includes keynote lectures,

invited lectures, practical sessions and a sponsored session.

15th February 2016

Session I - proteomics

- | | |
|-------------|------------------|
| 15.00-16.30 | Introduction |
| 16.30 | Keynote lecture |
| 17.30-18.30 | Speakers session |
| 19.00 | Wellcome buffet |

16th February 2016

Session II - Rhizosphere processes, XRF & ionomics

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|-------------|-------------------|
| 9.00 | Keynote lecture |
| 10.00-12.40 | Speakers session |
| 14.30-15.30 | Practical session |
| 15.30-17.50 | Speakers session |

17th February 2016

Session III - transcriptomics & metabolomics

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|-------------|---|
| 9.00 | Keynote lecture |
| 10.00-12.30 | Speakers session |
| 14.30-15.10 | sponsored session: ion mobility MS & system biology |
| 15.10-18.00 | Speakers session |
| 20.00 | Social dinner |

18th February 2016

Session IV - genomics

- | | |
|-------------|---------------------------------------|
| 9.00 | Keynote lecture |
| 10.00-11.40 | Speakers session |
| 11.40-12.00 | Discussion & conclusions |
| 12.00-12.45 | Poster prize ceremony and conclusions |

Confirmed keynote speakers

- Claudia Nicole Meisrimler (*University of Hamburg/CEA*)
Research topics: Plant proteomics, post-translational modifications, purification techniques & protein biochemistry.
- Matthieu Bravin (*CIRAD*)
Research topics: understanding of the major biogeochemical drivers of trace element dynamic at the soil-roots interface.
- Davide Bulgarelli (*University of Dundee*)
Research topics: understanding the structure, function and host control of the microbiota thriving at the root-soil interface.
- Luigi Cattivelli (*CREA-GPG*)
Research topics: molecular biology of cereals, from plant breeding to gene cloning, QTL analysis and sequencing.

Application, venue & costs

The school will be held at the Università Cattolica del Sacro Cuore, Campus of Piacenza, at the Residenza Gasparini facilities (<http://www.unicatt.it>).

Participation will be free of charge, to support participation of young scientists. Guest rooms (single bed rooms with private bathroom) will be available at the Residenza Gasparini, within the campus. Accommodation (45 €/night), social dinner and lunches are not included.



Applicants are request to submit an **abstract** (title of the current research, affiliation, description of the on-going

research – 300 words maximum) within the 15th of January 2016, by email to luigi.lucini@unicatt.it.

Organising committee

- Roberto Pinton, Università di Udine
- Claudio Ciavatta, Università di Bologna
- Luigi Lucini, Università Cattolica del Sacro Cuore
- Tanja Mimmo, Libera Università di Bolzano
- Roberto Terzano, Università di Bari
- Luciano Cavani, Università di Bologna
- Nicola Tomasi, Università di Udine

Scientific committee

Luciano Cavani	Università degli studi di Bologna
Roberto Terzano	Università A. Moro di Bari
Adriano Sofo	Università degli studi della Basilicata
Anita Zamboni	Università degli studi di Verona
Tanja Mimmo	Libera università di Bolzano
Youri Pii	Libera università di Bolzano
Claudio Zaccone	Università di Foggia
Daniele Del Buono	Università degli studi di Perugia
Elga Monaci	Università politecnica delle Marche
Giancarlo Renella	Università degli studi di Firenze
Stefania Astolfi	Università della Tuscia
Vito A. Laudicina	Università degli studi di Palermo
Nicola Tomasi	Università degli studi di Udine
Paolo Carletti	Università degli studi di Padova
Riccardo Spaccini	Università degli Studi di Napoli
Federico II	
Fabrizio Araniti	Università Mediterranea di Reggio Calabria
Bhakti Prinsi	Università degli Studi di Milano
Gianpiero Vigani	Università degli Studi di Milano
Luigi Lucini	Università Cattolica del Sacro Cuore
Gianmaria Beone	Università Cattolica del Sacro Cuore

Sponsorship

Besides the patronage of the Italian society for Agricultural Chemistry, the School receives the sponsorship from Agilent Technologies.

Info

<http://www.chimicagraria.it/didattica.php>
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