



# SCIENTIFIC SCHOOL ON “CONSERVATION AND CHARACTERIZATION OF MICROBIAL BIODIVERSITY OF AGRIFOOD AND ENVIRONMENTAL INTEREST”

**MAY**  
**8<sup>th</sup> - 11<sup>th</sup>**  
**2019**

Alghero (Tramariglio)

Porto Conte Ricerche

Room “Anghelu Ruju”

P. 55 Porto Conte - Capo Caccia

km 8,400 Loc. Tramariglio



REGIONE AUTONOMA  
DELLA SARDEGNA



**SIMBEA**



UNIVERSITÀ  
DEGLI STUDI  
DI TERAMO



UNIVERSITÀ  
di VERONA  
Scuola di dottorato  
in SCIENZE NATURALI  
E INGEGNERISTICHE



Microbial biodiversity is fundamental for life on earth and represents an unlimited resource for the development of a large number of biotechnological applications. The study of microbial biodiversity is one of the key topics of scientific research and, for decades, large amounts of public and private funds have been invested, worldwide, in the isolation, characterisation and knowledge of microorganisms in natural and artificial habitats. Conserving and exploiting the microbial biodiversity is therefore an extremely important action to favour and to implement sustainable development in agriculture and for an attentive management of natural ecosystems.

## THE TARGET:

The School is aimed at PhD and post-doctoral students as well as young researchers, for up to 15 course participants, operating in agrifood and environmental biotechnology and microbiology. The 4-day course is an opportunity to learn more about the concept of “microbial biodiversity” and to master the multiple roles that it plays in the agrifood ecosystem and in the agrifood and environmental sector.

The School is financed by Sardegna Ricerche, Parco scientifico e tecnologico della Sardegna, within the framework of the “Scientific School 2018/19” call in order to contribute to the regional economic development of the technological sectors of ICT, Biomedicine, Agrifood, Biotechnologies and Renewable Energies.

## REGISTRATION:

At the time of enrolling, course participants are required to submit the poster’s abstracts about their researches on the conservation/enhancement/study of microbial biodiversity in the agrifood and environmental sector. The course participants’ abstracts as well as professors’ lessons will be collected and published on-line on the school’s website [www.microbioss.org](http://www.microbioss.org), on the UNISS, UNIVR and UNITE websites and on the school Book of Abstract. The Abstract may be accompanied by an artwork (pictures, drawings, videos and more) to foster microbial biodiversity to a broader audience. Posters and artworks will run for a cash prize of 500 euro granted for the best submission.

The experience of course participants will be enriched by meetings with representatives of local enterprises, who will illustrate their business strategies for the recovery and economic exploitation of microbial biodiversity. Tours are also planned at the Regional Park of Porto Conte and wine companies in the Park.

Attendance is subject to the payment of a 300-euro fee that includes meals, coffee breaks, accommodation, transportation from and to the lessons’ location and participation in guided tours.

The deadline for subscriptions and submission of abstracts is 13/04/2019. For subscription information, please contact: [cmulti@uniss.it](mailto:cmulti@uniss.it), [bianco.angel@tiscali.it](mailto:bianco.angel@tiscali.it), [mbudroni@uniss.it](mailto:mbudroni@uniss.it).

The speakers and professors of the School are scientific personalities of international and national relevance in the field of microbial biodiversity from different perspectives as outlined in the Agenda.

## **SCIENTIFIC COMMITTEE:**

The principal investigator for the project is professor Marilena Budroni of the Sassari University, Department of Agriculture; the scientific committee is composed by professor Giovanna Felis of the University of Verona, professor Rosanna Tofalo of the University of Teramo, professor Ilaria Mannazzu, Dr. Severino Zara and Dr. Giacomo Zara of the University of Sassari.

## **ORGANISING COMMITTEE:**

The Organising Committee is composed by Dr. Chiara Multineddu, Mrs. Angela Bianco and Dr. Giacomo Zara.

## **THE VENUE:**

Porto Conte Ricerche operates the Sardinian Technology park center in Alghero (SS). At its venue of Tamariglio (Alghero), the center makes available laboratories, technological platforms and the technical-scientific know-how of its staff in order to create common relations and programmes between research system and entrepreneurial systems, for applied research activities, analysis, testing support in the planning and preparation of research, consultancy, hospitality programmes.



# AGENDA:

## Wednesday, May 8

- 12.00 - 15.00 Registration of participants  
15.00 - 15.15 Welcome by SIMTREA delegates  
15.15 - 16.00 Prof. Alan T. Bakalinsky, Oregon State University: "Fungal sulfite metabolism illustrates adaptive diversity"  
16.00 - 18.30 Poster Session. Poster presentation and evaluation  
18.30 - 20.00 Welcome Party and MicroDiversART event  
Transfer of participants to Alghero

## Thursday, May 9

- 08.30 Transfer of participants to Porto Conte Ricerche
- Morning Session
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- 09.00 – 10.30 Prof. Iain Sutcliffe, Northumbria University: "Application of the International Code of Nomenclature of Prokaryotes in 21st Century taxonomy: reformation or modern synthesis?"  
10.30 – 11.00 Coffee break  
11.00 – 12.30 Prof. Giovanna Felis, University of Verona: "Taxonomic studies and applied purposes: the case of genus Lactobacillus"  
12.30 – 13.30 Lunch
- Afternoon session
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- 14.00 - 15.30 Prof. John Morrissey, University College Cork: "Linking yeast population genomics to biotechnology"  
15.30 - 17.00 Prof. Fernando Araripe G. Torres, University of Brasília: "Exploring the Brazilian Microbial Biodiversity in the Context of the Agro-Food Industry"  
17.00 – 17.15 Coffee break  
17.15 – 18.45 Prof. Pietro Buzzini, University of Perugia: "Extremophilic yeasts: the toughest yeasts around?"  
19.00 Transfer of participants to Alghero

## Friday, May 10

- 08.30 Transfer of participants to Porto Conte Ricerche
- Morning Session
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- 09.00 – 10.30 Prof. Carlo Viti, University of Florence "Phenotype MicroArray Analysis of microorganisms: from Basic Research to Biotechnological Applications"  
10.30 – 11.00 Coffee break  
11.00 - 13.00 Microorganisms at work: meeting with company representatives  
Dr. Davide Orro (Azienda Famiglia Orro), Dr. Mattias Müller (Luppolo & Birra)  
12.00 Lunch

## Friday, May 10

Transfer of participants to Sella & Mosca Winery (Alghero)

### Afternoon Session

- 14.30 Dott. Giovanni Pinna, Sella & Mosca “Wines from spontaneous and guided fermentations”
- 15.30 Visit to the Sella & Mosca Estate
- 17.00 Transfer of participants to the Natural Park of Porto Conte.  
Guided visit to the natural park
- 19.00 Transfer of participants to Alghero

## Saturday, May 11

08.30 Transfer of participants to Porto Conte Ricerche

### Morning Session

- 09.00 – 09.30 Prof. Giovanna Cristina Varese, University of Turin: “Duties and opportunities for culture collections after the entrance in force of the new EU regulations on ABS”
- 09.30 - 10.30 Prof. Giovanna Cristina Varese, University of Turin: “ Fungi in bioremediation: opportunities and pitfalls”
- 10.30 - 12.00 Prof. Benedetta Turchetti, University of Perugia: “The DBVPG Industrial Yeasts Collection: the role of microbial resource centers for biotechnological applications”
- 12.00 Prof. Marilena Budroni, University of Sassari: best poster awards and concluding remarks
- 12.30 Lunch
- 13.00 Transfer of participants to Alghero

SPONSORED BY:



ORGANISING SECRETARIAT:



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