

# Second announcement



Italian Society of Agro-Food and Environmental Microbiology  
Società Italiana di Microbiologia Agraria, Alimentare e Ambientale  
is organizing the



4<sup>th</sup> International Conference on  
Microbial Diversity:

# DRIVERS OF MICROBIAL DIVERSITY 2017

**Bari (ITALY)**

Lecture hall

Department of Soil, Plant and Food Sciences  
University of Bari Aldo Moro

with the patronage of



[www.md2017.it](http://www.md2017.it)



*Tuesday 24 October afternoon  
Wednesday 25 October all day  
Thursday 26 October morning*

The conference will focus on the following themes:

- I. Anthropogenic pressure as a driver of microbial ecosystems
- II. Food microbes facing the challenges of healthy human nutrition (co-organized with INRA)
- III. Re-assembled and driven microbial communities of complex ecosystems
- IV. Breakthroughs in unraveling the microbial consortia using pan-omics
- V. Biogeography of microbial consortia
- VI. Towards the exploration of new niches as reservoirs of microbial diversity

## Scientific Committee

**Peter Bron** *Nizo Food Research (NL)*  
**Gianluigi Cardinali** *University of Perugia (IT)*  
**Sergio Casella** *University of Padova (IT)*  
**Stéphane Chaillou** *INRA - Jouy en Josas (FR)*  
**Don A. Cowan** *University of Pretoria (ZA)*  
**Luca Cocolin** *University of Turin (IT)*  
**Daniele Daffonchio** *KAUST King Abdullah University of Science and Technology (SA)*  
**Marco Gobetti** *University of Bolzano (IT)*  
**Marion Leclerc** *INRA - Jouy en Josas (FR)*  
**Philippe Lemanceau** *INRA - Dijon (FR)*  
**Sylvie Lortal** *INRA - Rennes (FR)*  
**Kim Milferstedt** *INRA - Narbonne (FR)*  
**David A. Mills** *University of California (USA)*  
**Fabio Minervini** *University of Bari (IT)*  
**Douwe Molenaar** *Vrije Universiteit Amsterdam (NL)*  
**Claire Nedellec** *INRA - Jouy en Josas (FR)*  
**Erasmus Neviani** *University of Parma (IT)*  
**Kiran Raosaheb Patil** *European Molecular Biology Laboratory (DE)*  
**George Tsiamis** *University of Patras (GR)*

## Organizing Committee

**Maria Calasso** *University of Bari (IT)*  
**Luca Cocolin** *University of Turin (IT)*  
**Daniele Daffonchio** *KAUST (SA)*  
**Maria De Angelis** *University of Bari (IT)*  
**Barbara De Ruggieri** *University of Bari (IT)*  
**Raffaella Di Cagno** *University of Bolzano (IT)*  
**Marco Gobetti** *University of Bolzano (IT)*  
**Fabio Minervini** *University of Bari (IT)*  
**Erasmus Neviani** *University of Parma (IT)*  
**Carlo Giuseppe Rizzello** *University of Bari (IT)*

## ✉ Contacts


for general information

[info@md2017.it](mailto:info@md2017.it)

for queries about registration

[registrations@md2017.it](mailto:registrations@md2017.it)

 Abstract submission: June 15

 Early bird registration: June 30

## Tuesday 24 October

13:15 – 13:40 Welcome and registration

13:40 – 14:25 Keynote lecture: “Mammals, milk and microbes – The role of milk in the establishment and function of the gut microbiome” **David A. Mills**, University of California (Davis, USA)

**14:25 – 16:10 Session I: Anthropogenic pressure as a driver of microbial ecosystems**

14:25 – 14:55 Plenary lecture: “Abiotic and biotic drivers of microbial community structure and function in hot and cold desert soils” **Don A. Cowan**, University of Pretoria (SOUTH AFRICA)

14:55 – 16:10 Selected lectures (5)

16:10 – 16:40 Coffee break

16:40 – 18:00 Poster session / Special session I: Young researchers’ presentations (parallel)

16:40 – 18:00 Selected lectures (8)

## Wednesday 25 October

**08:30 – 11:30 Session II: Food microbes facing the challenges of healthy human nutrition (co-organized with INRA)**

08:30 – 09:00 Plenary lecture: “Employing strain diversity and genomics for better food and health” **Peter Bron**, Nizo Food Research (Ede, THE NETHERLANDS)

09:00 – 10:15 Selected lectures (5)

10:15 – 10:45 Coffee break

10:45 – 11:30 Keynote lecture: “Mining functional diversity in metagenome” **Douwe Molenaar**, Vrije Universiteit Amsterdam (THE NETHERLANDS)

**11:30 – 13:15 Session III: Re-assembled and driven microbial communities of complex ecosystems**

11:30 – 12:00 Plenary lecture: “Optimizing performance of bioprocesses through ecological engineering” **Kim Milferstedt**, INRA (Narbonne, FRANCE)

12:00 – 13:15 Selected lectures (5)

13:15 – 14:30 Lunch

**14:45 – 18:30 Session IV: Breakthroughs in unraveling the microbial consortia using pan-omics**

14:45 – 15:15 Plenary lecture: “Unraveling the secrets of microbial life using omic technologies” **George Tsiamis**, University of Patras (GREECE)

15:15 – 16:30 Selected lectures (5)

16:30 – 17:00 Coffee break

17:00 – 18:30 Poster session / Special session II: Young researchers’ presentations (parallel)

17:00 – 18:30 Selected lectures (9)

## Thursday 26 October

**8:30 – 11:30 Session V: Biogeography of microbial consortia**

08:30 – 09:00 Plenary lecture: “Inter-species dependencies as drivers of microbial co-occurrence” **Kiran Raosaheb Patil**, European Molecular Biology Laboratory (Heidelberg, GERMANY)

09:00 – 10:15 Selected lectures (5)

10:15 – 10:45 Coffee break

10:45 – 11:30 Keynote lecture: “Biogeography of soil microbial consortia” **Philippe Lemanceau**, INRA (Dijon, FRANCE)

**11:30 – 13:15 Session VI: Towards the exploration of new niches as reservoirs of microbial diversity**

11:30 – 12:00 Plenary lecture: “Text-mining and ontologies: new approaches to knowledge discovery of microbial diversity” **Claire Nedellec**, INRA (Jouy en Josas, FRANCE)

12:00 – 13:15 Selected lectures (5)

13:15 – 14:15 Lunch

**14:30 – 15:00 Farewell – End of the conference**

**Conference rationale and general purpose.** Following the success of the 3<sup>rd</sup> International Conference on Microbial Diversity: 2015 – “The Challenge of Complexity”, SIMTREA is pleased to launch the fourth edition of the conference, entitled “Drivers of Microbial Diversity”. The International Conferences on Microbial Diversity are becoming a consolidated biennial event bringing together agricultural, environmental and food microbiology researchers and professionals from all over the world. Drivers of microbiota establishment and composition in different ecosystems, the focus of the 2017 Conference, are key factors in the vast and fascinating field of microbial diversity.