

PROGRAM
XXXVIII ECCO MEETING 2019
June 12th-14th, 2019, Turin

12th June 2019 (Wednesday)

13.30 – 15.00 Registration and Poster placing

15.00 - 15.30 Welcome addresses

- ❖ **15.00** *Prof. Gianmaria Ajani, Rector of the University of Torino*
- ❖ **15.10** *Prof. Nelson Lima, ECCO President*
- ❖ **15.20** *Prof. Ipek Kurtböke, WFCC President*

15.30 - 16.20 Plenary Lecture *Paola Bonfante, Professor Emerita of the University of Torino, Italy*
Fungi and bacteria for plant health: a microbial revolution

16.20 -17.20 Session 1. Culture collections: towards best practices to improve services for stakeholders

Chairs: Raquel Hurtado-Ortiz and Gerard Verkley

- ❖ **16.20** *Maria-Helena Bosschaerts, BELSPO, Belgium*
Quality management: a toolbox to reach operational excellence in BRC's
- ❖ **16.40** *Amber Scholz, DSMZ, Germany*
Europe's first Registered Collection under the Nagoya Protocol
- ❖ **17.00** *Aurora Zuzuarregui Mirò, CETC, Spain*
Legal issues related to the access to Spanish genetic resources

17.30 – 18.30 MDA and MTA working groups

19.30 Welcome party at the Botanical Garden of the University of Torino, viale Mattioli, 25 - Torino

13th June 2019 (Thursday)

09.00 - 10.00 Session 2. Culture collections and neglected groups of organisms

Chairs: Dominique Clermont and Antonino Pollio

- ❖ **09.00** *Maike Lorenz, SAG, Germany*
Algal culture collections: biological resource centres of high diversity and biotechnological potential
- ❖ **09.20** *Priscillia Gourvil, Roscoff Culture Collection, France*
Microalgal diversity in the Roscoff Culture Collection
- ❖ **09.40** *Alfred Beran, OGS, Italy*
A source of living planktonic protists at Trieste, COSMI (collection of sea microorganisms)
- ❖ **10.00** *Marco Forgia, ISPP-CNR, Italy*
Mycoviruses in fungal collections: not only for quality control
- ❖ **10.20** *Barbara Colitti, UNITO, Italy*
A new NGS approach for small ruminant lentivirus full genome characterization

10.40 - 11.20 Coffee Break and Poster session

11.20 - 13.00 Session 3. Newcomers and New tools to explore and valorise microbial biodiversity

Chairs: Ipek Kurtböke and Pietro Buzzini

- ❖ **11.20** *Enrico Tatti, Biolog Inc., USA*
Biolog Phenotype MicroArray™: harnessing high-throughput phenomics to characterize microbial isolates in culture collections
- ❖ **11.40** *Benedetta Turchetti, UNIPG, Italy*
New yeast species isolated from worldwide cold environment
- ❖ **12.00** *Edward R.B. Moore, CGUG, Sweden*
Culture collection University of Gothenburg (CGUG): 50 years young and growing in the 21st century, archiving, typing, identifying and researching clinically-relevant bacteria
- ❖ **12.20** *Valeria Prigione, UNITO, Italy*
Twenty thousand fungi under the sea

13.00 - 14.30 Lunch and Poster session

14.30 - 16.20 Session 4. New tools to identify and characterize microbial diversity

Chairs: Maria Kuyukina and Serge Casaregola

- ❖ **14.30** *Cristiana Mirasole, Bruker Daltonics M&D, Italy*
Bruker MALDI biotyper: changing food microbiology and growing with technology
- ❖ **14.50** *Marijke Hendrickx, BCCM-IHE, Belgium*
MALDI-TOF MS for the identification of filamentous fungi; a success story?
- ❖ **15.10** *Michael Pester, DSMZ, Germany*
Genomic encyclopedia of bacterial and archaeal type strains, phase vi: the functional genomics and pangenomes of type strains
- ❖ **15.30** *Ilario Ferrocino, UNITO, Italy*
Current understanding of the food microbiome in the era of big data
- ❖ **15.50** *Laura Selbmann, UNITUS, Italy*
First metagenomic survey for a deep exploration into the biodiversity of the Antarctic cryptoendolithic communities

16.20 - 17.00 Coffee Break and Poster session

17.00 - 18.30 Session 5. Microbes in quality and safety of food

Chairs: Effie Tsakalidou and Giancarlo Perrone

- ❖ **17.00** *Robert Samson, CBS, The Netherlands*
New taxonomies of food borne fungi
- ❖ **17.20** *Giovanna Felis, UNIVR, Italy*
Taxonomic changes and their impact for science and the market: the case of genus *Lactobacillus*
- ❖ **17.30** *Antonio Lo Grieco, ISPA-CNR, Italy*
Toxigenic fungi and mycotoxins: future challenges in human and animal health
- ❖ **17.50** *Luciana De Vero, UNIMORE, Italy*
The UNIMORE microbial culture collection: from strains storage to industrial starter cultures design
- ❖ **18.10** *Paola Mattarelli, UNIBO, Italy*
Non-human primates Bifidobacteriaceae: a reservoir for application for animal well-being

20.00 - Social dinner at Ristorante Esperia, c.so Moncalieri, 2 - Torino

14th June 2019 (Friday)

09.00 - 10.40 Session 6. Microbes at work in Bioeconomy and Biotechnological applications

Chairs: Giovanna Cristina Varese and Nelson Lima

- ❖ **09.00** *Mario Bonaccorso, Assobiotec – Federchimica, Italy*
Industrial biotechnologies as engine for the sustainable and circular bioeconomy
- ❖ **09.20** *Irene Baños Ruiz, freelance journalist*
Presentation of the book "What is the bioeconomy" with a focus on the role of microorganisms
- ❖ **09.40** *Ipek Kurtböke, USC, Australia*
The role of WFCC in the utilization of microbial resources for the benefit of mankind
- ❖ **10.00** *Maria Kuyukina, IEGM, Russia*
Immobilized *Rhodococcus* biocatalysts for enhanced bioremediation
- ❖ **10.20** *Andrea Ceci, UNIROMA, Italy*
Biodiversity of fungi as bioresources to face diversity of soil threats

10.40 - 11.30 Coffee Break and Poster session

11.30 - 12.30 Session 6. Microbes at work in Bioeconomy and Biotechnological applications

Chairs: Mery Pina and Robert Samson

- ❖ **11.30** *Elena Bovio, UNITO, Italy*
The biodiversity and biotechnological potential of marine fungi associated with sponges
- ❖ **11.50** *Mirco Iotti, UNIVAQ, Italy*
Tuber mycelia: a resource for improving truffle cultivation
- ❖ **12.10** *Giancarlo Perrone, ISPA-CNR, Italy*
CNR-ITEM collection: microbial resources for food bio-economy

12.30 -13.30 Lunch and Poster session

13.30 - 15.00 Session 7. Transboundary initiatives and IT Technologies

Chairs: Marleen Bosschaerts and Rosa Aznar

- ❖ **13.30** *Serge Casaregola, CIRM- INRA, France*
Recent advances on the European research infrastructure MIRRI and its involvement in European projects
- ❖ **13.50** *Juncai Ma, CAs, China*
The current progress of GCM 2.0 10 K Type Strains Sequencing Project
- ❖ **14.10** *Alexander Vasilenko, VKM, Russia*
FAIR options in mBRC specifics
- ❖ **14.30** *Barbara Parodi, Ospedale San Martino, Italy*
The Italian node (BBMRI.IT) of the European biobanking and biomolecular resources research infrastructure (BBMRI-ERIC)

14.50 - 15.00 Closing of the Conference

15.00 - 17.00 ECCO Annual General Meeting