

**PROGRAMME**  
**XXXVII ECCO MEETING 2018**  
September 13-14, 2018, Moscow

**13 September, Thursday**

**08.30–09.30 Registration and poster mounting**

**09.30–09.45 Welcome addresses:**

**09.30** *Nelson Lima*, ECCO President

**09.35** *Ipek Kurtböke*, WFCC President

**09.40** *Elizaveta Bonch-Osmolovskaya*, President of the Interregional Russian Microbiological Society

**9.45–11.00 Session 1. Culture collections: towards best practices**

*Chairs: Dominique Clermont and Nelson Lima*

**09.45** *Philippe Desmeth*

Nagoya Protocol. Time for the scientific community to speak out

**10.05** *Jörg Overmann*

The role of culture collections in future biodiscovery and bioeconomy

**10.30** *Nikolai Pimenov*

Microbial Collections in Russia: current state and outlooks

**10.45** *Cledir Santos\**, *Rodrigo Rodriguez*, *Marta Simões* and *Nelson Lima*

Polyphasic evaluation of long-term preservation on *Aspergillus* (section *Nigri*) strains

**11.00–11.30 Coffee-break and Poster session**

**11.30–13.00 Session 2. Microbial diversity: accommodating newcomers**

*Chairs: Svetlana Dedysh and Jörg Overmann*

**11.30** *David Arahal*

Prokaryotic taxonomy 3.0

**11.50** *Svetlana Dedysh*

The phylum *Acidobacteria*: new findings and taxonomic rearrangements

**12.10** *Olga Golyshina\**, *Stepan Toshchakov*, *Sergey Gavrilov*, *Rafael Bargiela*, *Ilya Kublanov* and *Peter Golyshin*

Biodiversity and environmental function of new *Thermoplasmata*

**12.30** *Natalia Potekhina\**, *Galina Streshinskaya*, *Elena Tul'skaya*, *Alexander Shashkov* and *Lyudmila Evtushenko*

Cell wall glycopolymers in taxonomy of *Actinobacteria*

**12.45** *Martha Trujillo\** and *Jongsik Chun*

Changes in IJSEM for the description of novel taxa

**13.00–14.00 Lunch and Poster session**

**14.00–16.00 Session 2. Microbial diversity: accommodating newcomers (cont.)**

*Chairs: Maria Kuyukina and David Arahal*

**14.00** *Maria Chuvochina\**, *Christian Rinke*, *David Waite*, *Adam Skarshewski*, *Pierre-Alain Chaumeil*, *Donovan Parks* and *Philip Hugenholtz*

An outlook into the key principles of a genome-based taxonomy

---

\* *Speakers*

**14.25** *Victoria Shcherbakova*

Prokaryotes from Arctic permafrost: the way to public collections

**14.45** *Francisco Salvà-Serra\**, *Daniel Jaén-Luchoro*, *Nahid Karami* and *Edward R. B. Moore*

Applications of oxford nanopore sequencing at the Culture Collection of the University of Gothenburg (CCUG)

**15.05** *Salma Ouhibi*, *Rodrigo Rodriguez*, *Simone Decontardi*, *Jéssica Souza*, *Sebastián Lopez*, *Carla Santos*, *Célia Soares*, *Ridha Gali*, *Abderrazek Hedhili*, *Robert Russell Monteith Paterson*, *Cledir Santos*, *Paola Battilani* and *Nelson Lima\**

Penicillia diversity from food identified polyphasically, including mycotoxin production

**15.25** *Duong Vu*, *Marizeth Groenewald*, *Michel de Vries*, *Thies Gehrman*, *Benjamin Stielow*, *Ursula Eberhardt*, *Abdullah Mohammed Said Al-Hatmi*, *Ewald (J.Z.) Groenewald*, *Gianluigi Cardinali*, *Jos Houbraeken*, *Teun Boekhout*, *Pedro Crous*, *Vincent Robert* and *Gerard Verkley\**

Large-scale generation and analysis of filamentous fungal DNA barcodes boosts coverage for Kingdom *Fungi* and reveals thresholds for fungal species and higher taxa delimitation

**15.45** *Oleg Vasilenko\**, *Nataliya Ivanushkina*, *Irina Starodumova*, *Galina Kochkina*, *Anastasiya Danilogorskaya*, *Irina Pinchuk*, *Miroslav Telkov* and *Svetlana Ozerskaya*

The advantage of the usage of the long "boosted" fungal barcode that includes ITS1/2 region and D1/D3 domain of the 26S Large Subunit Ribosomal DNA

**16.00–17.00** **Poster session**

**17.00–18.30** **Welcome party**

**14 September, Friday**

**9.00–11.00** **Session 3. Environmental microbiology and biotechnology**

*Chairs: Giovanna Varese and Valery Mikhailov*

**9.00** *Ipek Kurtböke*

The role of culture collections and the WFCC in biotechnological advancements

**9.20** *Valery Mikhailov*

Biodiversity and bioactive compounds of marine bacteria and fungi

**9.40** *Luciana De Vero\**, *Maria Gullo* and *Paolo Giudici*

UNIMORE microbial culture collection: a reservoir of acetic acid bacteria for food and non-food applications

**10.00** *Irina Ivshina*, *Maria Kuyukina\** and *Anastasiya Krivoruchko*

From the Ural collection of alkanotrophic actinobacteria to innovative biotechnologies

**10.20** *Marina Donova\**, *Vyacheslav Kollerov*, *Tatyana Lobastova*, *Natalia Deshcherevskaya*, *Dmitry Dovbnya*, *Michail Karpov*, *Eugeniy Bragin*, *Viktoria Fokina*, *Tatyana Ivashina* and *Nicolai Strizhov*

Steroid-transforming microorganisms from All-Russian Collection of Microorganisms (VKM): diversity, novel findings and biotechnological application

**10.40** *Andrey Yurkov*

Treasure hunt in collections and environment

**11.00–11.30** **Coffee-break and Poster session**

### **11.30–12.20 Session 3. Environmental microbiology and biotechnology (cont.)**

*Chairs: Ipek Kurtboke and Nikolai Pimenov*

**11.30** *Federica Spina, Giulia Spini, Anna Poli, Andrea Zanellati, Valeria Prigione, Alice Romagnolo, Anne-Laure Blioux, Chiara Romé, Abdelwahad Echairi, Stefano Amaducci, Ilaria Re, Adriana Bava, Jose Julio Ortega Calvo, Fabrizio Beltrametti, Edoardo Puglisi and Giovanna Cristina Varese\**

Bioremediation and ecological restoration of contaminated soils by fungal and bacterial consortia

**11.50** *Alexey Sviridov\*, Inna Ermakova, Tatyana Shushkova, Dmitry Epiktetov and Alexey Leontievsky*

Microbial metabolism of natural and synthetic phosphonates

**12.05** *Vera Safronova\*, Irina Kuznetsova, Andrey Belimov, Anna Sazanova, Elizaveta Chirak and Igor Tikhonovich*

Complementation of symbiotic genes in the taxonomically different co-microsymbionts of a relic legume *Oxytropis popoviana*

### **12.30–13.50 Session 4. Transboundary initiatives and IT technologies**

*Chairs: Rosa Aznar and Serge Casaregola*

**12.30** *Linhuan Wu and Juncai Ma\**

A global catalogue of microbial genome-type strain sequencing project of WDCM

**12.50** *Serge Casaregola\*, Philippe Desmeth, Rosa Aznar, Anna Misiewicz, Nelson Lima and Maria-Helena Bosschaerts*

Advances on the construction of the European Research Infrastructure MIRRI

**13.10** *Alexander Vasilenko\*, Oleg Stupar, Galina Kochkina and Svetlana Ozerskaya*  
Data integration with life science databases: gathering of technology

**13.25** *Vincent Robert\*, Nathalie van de Wiele, Duong Vu, Szansizlo Szoke, Ammar Amor, Achraf Haddeji, Oussema Chouchen, Erik Blom, Camille Nijs and Julie Robert*  
BioloMICS, scientific and collection data management and analysis software

### **13.50–14.50 Lunch and Poster session**

### **14.50–15.00 Awarding of the Poster session winners**

### **15.00–15.10 Closing of the Conference**

### **15.10–16.00 ECCO Annual General Meeting**

### **16.10 -19.30 Boat trip over the Moscow River**