



ICGEB International Centre for Genetic
Engineering and Biotechnology

Developing
Knowledge

Meetings and Courses 2018



PRELIMINARY PROGRAMME

MONDAY, 26th November

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| 08.00 | <i>Pick up from Hotel</i> | |
| 08.30 | Course registration | ICGEB Foyer, 'W' Building |
| 09.00 | Welcome address | Vittorio Venturi , ICGEB Trieste, Italy |
| 09.30 | Harnessing key microbial players for sustainable agroecosystems | Samiran Banerjee , Agroscope, Zurich, Switzerland |
| 10.30 | The untold secrets of the grapevine microbiome and its importance for the plant health | Ilaria Pertot , fmach, Trento, Italy |
| 11.30 | <i>Coffee Break</i> | <i>ICGEB Foyer, 'W' Building</i> |
| 12.00 | Toward an integrated and predictive view of symbiotic nitrogen fixation | Alessio Mengoni , UniFi, Firenze, IT |
| 13.00 | Overview on the practical part | Vittorio Venturi , ICGEB Trieste, Italy |
| 13.45 | <i>Get-together</i> | <i>ICGEB Foyer, 'W' Building</i> |
| 14.45 | <i>Bus to Hotel for participants attending the Theoretical Sessions only</i> | |
| 14.45 | Practical Session
DNA isolation | Cristina Bez , Bacteriology Lab, ICGEB Trieste, Italy
Susan Mosquito , Bacteriology Lab, ICGEB Trieste, Italy |
| 19.00 | <i>Bus to Hotel</i> | |

TUESDAY, 27th November

- 08.00 *Pick up from Hotel*
- 08.30 Metagenomics of the endosphere microbiome **Jos Raaijmakers**, NIOO-KNAW, Wageningen, The Netherlands
- 09.30 Harnessing nature to help farmers feed our planet: new methods for identifying crop yield-enhancing microbes **Daniela Pignatta**, INDIGO Ag Inc, Boston, USA
- 10.30 *Coffee Break* *ICGEB Foyer, 'W' Building*
- 11.00 Do you cov me? Effect of coverage reduction on species identification and genome reconstruction in complex biological matrices by metagenome shotgun high-throughput sequencing **Fabio Marroni**, IGA Technology Service, Udine, Italy
- 12.00 *Visit to the ICGEB laboratories*
- 13.30 *Lunch* *Area Science Park cafeteria, ground floor, 'C' Building*
- 14.30 *Bus to Hotel for participants attending the Theoretical Sessions only*
- 14.30 **Practical session**
16S amplicon library construction **Cristina Bez**, Bacteriology Lab, ICGEB Trieste, Italy
Susan Mosquito, Bacteriology Lab, ICGEB Trieste, Italy
- 19.00 *Bus to Hotel*

WEDNESDAY, 28th November

- 07.30 *Pick up from Hotel*
- 08.00 Host-Microbiome Interactions in Rice (streaming) **Sundaresan Venkatesan**, University of California, Davis, USA
- 09.00 Understanding the plant microbiome and how to make use of it in modern crop production **Birgit Mitter**, AIT, Vienna, Austria
- 10.00 *Coffee Break* *ICGEB Foyer, 'W' Building*
- GROUP PHOTO*
- 10.30 Genomic Features of Bacterial Adaptation to Plants **Asaf Levy**, HUJI, Jerusalem, Israel
- 11.30 Defining the host genetic control of the rhizosphere bacterial microbiota **Davide Bulgarelli**, University of Dundee, Invergowrie, United Kingdom
- 12.30 The 'ins and outs' of the plant root microbiome **Tim Mauchline**, Rothamsted, Harpenden, United Kingdom
- 13.30 *Lunch* *Area Science Park cafeteria, ground floor, 'C' Building*
- 14.30 *Bus to Hotel for participants attending the Theoretical Sessions only*
- 14.30 **Practical Session**
16S amplicon library construction **Cristina Bez**, Bacteriology Lab, ICGEB Trieste, Italy
Susan Mosquito, Bacteriology Lab, ICGEB Trieste, Italy
- 17.30 *Bus to Hotel*

THURSDAY, 29th November

- 08.30 *Pick up from Hotel*
- 09.00 The networking of plant microbiomes for health across generations and beyond **Gabriele Berg**, TU Graz, Graz, Austria
- 10.00 Plant-associated bacteria: An important key to a successful application of phytoremediation **Jaco Vangronsveld**, UHasselt, Hasselt, Belgium
- 11.00 *Coffee Break* *ICGEB Foyer, 'W' Building*
- 11.30 The Use of Soil Microorganisms in Agriculture: Practical Examples **Michele Sellitto**, MS Biotech Spa, Campobasso, Italy
- 12.30 Mobile Endophytic Microbes in a World of Immobile Plant Cells (streaming) **Manish N. Raizada**, University of Guelph, Guelph, Canada
- 13.30 *Lunch* *Area Science Park cafeteria, ground floor, 'C' Building*
- 15.00 *Bus to Hotel for participants attending the Theoretical Sessions only*
- 15.00 **Practical Sessions**
From Libraries to Sequences: Library quality control and data production **Danilo Licastro**, CBM, Trieste, Italy
- 16.00 Data analysis and OTU tables **Cristina Bez**, Bacteriology Lab, ICGEB Trieste, Italy
Susan Mosquito, Bacteriology Lab, ICGEB Trieste, Italy
- 19.00 *Bus to Hotel*

FRIDAY, 30th November

- 08.30 *Pick up from Hotel*
- 09.00 Crop protection from "plant derived" tools: utopia and reality **Pier Attilio Bianco**, UniMi, Milano, Italy
- 10.00 Archaea: Interactive components of complex microbiomes **Christine Moissl-Eichinger**, Med Uni Graz, Graz, Austria
- 11.00 *Coffee Break* *ICGEB Foyer, 'W' Building*
- 11.30 Controlled by natural enemies: Biological control agents as an effective and sustainable strategy against plant pathogens **Pilar E. Puentes Tellez**, Utrecht University, Utrecht, The Netherlands
- 12.30 The pathobiomes of two bacterial diseases of rice; are there any microbial cooperators or antagonists of the pathogen? **Vittorio Venturi**, ICGEB Trieste, Italy
- 13.30 *Lunch* *Area Science Park cafeteria, ground floor, 'C' Building*
- 15.00 *Bus to Hotel*