



*International Workshop*

## **Tackling antimicrobial resistance**

### Prevention, monitoring, and counteraction

10th November 2025  
Area Science Park, Padriciano Campus, Trieste

### **PROGRAM**

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## PROGRAM

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| 9.00 – 9.30  | <i>Registration</i>  |
| 9.30 – 9.45  | <b>Opening and Institutional Welcome</b><br><b>Stefano Cozzini</b> , Director of Technological Innovation Research Institute, Area Science Park  |
| 9.45 – 9.55  | <b>Workshop and PRP@CERIC Introduction</b><br><b>Federica Mantovani</b> , Infrastructure Manager of the PRP@CERIC, Area Science Park   |
| <b>SESSION I</b><br><b>Understanding AMR – Evolution, surveillance, and prevention</b>                 |  |
| <i>Chairs: Federica Mantovani (Area Science Park), Giuditta De Lorenzo (Area Science Park)</i>         |  |
| 9.55 – 10.25   | <b>Antibiotic resistance: an evolutionary process requiring actions</b><br><b>Stefania Stefani</b> , Full Professor of Microbiology and Clinical Microbiology, University of Catania; PAST President of the Italian Society of Microbiology            |
| 10.25 – 10.55  | <b>Surveillance, epidemiology, and local context in the fight against antibiotic resistance</b><br><b>Marina Busetti</b> , Microbiology Unit, Trieste University Hospital (ASUGI)  |
| 10.55 – 11.10  | <b>Antimicrobial stewardship in pediatrics: current state and emerging insights</b><br><b>Massimo Maschio</b> , Institute for Maternal and Child Health-IRCCS "Burlo Garofolo"   |
| 11.10 – 11.40  | <i>Coffee Break</i>  |
| <b>SESSION II</b><br><b>Emerging strategies – From precision tools to pathogen-specific approaches</b> |  |
| <i>Chairs: Giuditta De Lorenzo (Area Science Park), Mario Mardirossian (University of Trieste)</i>     |  |
| 11.40 – 11.55  | <b>Human monoclonal antibodies against antibiotic-resistant bacteria</b><br><b>Claudia Sala</b> , Biotecnopolis Foundation of Siena  |
| 11.55 – 12.25  | <b>Bacteriophages: precision weapons against drug-resistant pathogens</b><br><b>Mariagrazia Di Luca</b> , Department of Biology, University of Pisa; ICGEB   |
| 12.25 – 12.40  | <b>Facing the threat of antibiotic resistance in pathogenic mycobacteria: a focus on <i>M. tuberculosis</i> and <i>M. abscessus</i></b><br><b>Deborah Recchia</b> , Department of Biology and Biotechnology "Lazzaro Spallanzani", University of Pavia |
| 12.40 – 12.55  | <b>Inhibition of efflux pump complexes for restoring antibiotics efficacy</b><br><b>Björn Windshügel</b> , Fraunhofer Institute for Translational Medicine and Pharmacology (ITMP)   |



12.55 – 14.00

*Lunch*

### **SESSION III**

#### **Breaking resistance – Innovative strategies and targets in the fight against AMR**

*Chairs: Mario Mardirossian (University of Trieste), Margherita Degasperi (Area Science Park)*

14.00 – 14.30

#### **David vs Goliath: ribosome-targeting antibiotics and bacterial resistance mechanisms**

**Daniel Wilson**, Institute for Biochemistry and Molecular Biology, University of Hamburg

14.30 – 14.45

#### **Proline-Rich Antimicrobial Peptides: a promising strategy to counteract antibiotic resistance**

**Marco Scocchi**, University of Trieste

14:45 – 15:00

#### **Helical antimicrobial peptides from helminths active against multidrug-resistant bacteria**

**Tomislav Roncevic**, Faculty of Science, University of Split

15.00 – 15:15

#### **Membranes under attack: investigating antimicrobial peptides using neutron-based techniques**

**Annalisa Pastore**, King's College London

15:15 – 15:30

#### **Global antimicrobial pipeline**

**Stefano Di Bella**, Head of the Infectious Diseases Unit of Trieste University Hospital

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15.30 – 15.40

#### **PRP@CERIC IP&M Helpdesk – A Practical Example: Overview of the Antimicrobial Resistance Market**

**Maddalena Furlan**, Head of Research Valorization Unit, Area Science Park

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15.40

#### **Closing Remarks**

**Giuditta De Lorenzo**, Area Science Park

**Mario Mardirossian**, University of Trieste

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