

TREC Naples 2024



Towards Planetary Systems Biology

Monday 6 May 2024 | Stazione Zoologica Anton Dohrn (SZN), Naples

11:00 – 11:30 **Welcome to the scientific talks, Museum Darwin Dohrn (DaDoM)**

Roberto Bassi, President of the SZN

Elisabetta Balzi, Head of Unit, Ocean, Seas and Waters, EC, DG Research and Innovation

Peer Bork, TREC Scientific Director, EMBL

11:30 – 13:00 **Session 1: TREC in context**

11:30 – 12:00 **The TREC expedition and scientific project in the landscape of EU research**

Paola Bertucci, Head of EMBL Scientific Expeditions, EMBL

Peer Bork, TREC Scientific Director, EMBL

12:00 – 12:15 **From Tara Oceans to BIOcean5D**

Andre Abreu, Head for International Policy, Tara Ocean Foundation

12:15 – 12:30 **Blueremediomics**

Rob Finn, senior scientist, group leader EMBL-EBI

12:30 – 12:45 **AtlantECO**

Daniele Iudicone, senior scientist, SZN

12:45 – 13:00 **ERC CoEvolve: Trace metals and the evolution of biogeochemistry**

Donato Giovannelli, professor, University Federico II

13:00 – 14:00 **Lunch Break, SZN courtyard**

TREC Naples 2024



14:00 – 15:30 **Session 2, Donato Marino conference hall, SZN main building**
(12 mins talks + 3 mins QA)

14:00 – 14:15 **Mobile labs for the European research community**
Nikolaus Leisch, Mobile Services Operational Manager, EMBL

14:15 – 14:30 **This is wild! An overview of TREC's state of art molecular and cellular biology in non model planktonic organisms (VC)**
Flora Vincent, group leader, EMBL

14:30 – 14:45 **Gearing up for TREC data: Characterization of the planetary microbiome**
Peer Bork, Director of EMBL Heidelberg, group leader, EMBL

14:45 – 15:00 **Linking modern and ancient plankton ecosystems with paleogenomics**
Chris Bowler, Tara Oceans Director, CNRS

15:00 – 15:15 **Cellular responses to changing environments in selected holobionts along the European coastline**
Detlev Arendt, senior scientist, group leader, EMBL

15:15 – 15:30 **A multiscale analysis of plankton and benthos diel rhythms**
Maria Ina Arnone, senior scientist, SZN

15:30 – 16:00 **Coffee Break, SZN courtyard**

16:00 – 17:30 **Session 3, Donato Marino conference hall, SZN main building**
(12 mins talks + 3 mins QA)

16:00 – 16:15 **Process-based sampling strategies: a comprehensive view of integrated field campaign in different environments**
Federico Falcini, senior scientist, CNR

16:15 – 16:30 **Marine and coastal biodiversity activities at the European Space Agency**
Marie-Helene Rio, senior scientist, ESA

16:30 – 16:45 **The Naples Ecological REsearch Augmented observatory NEREA, vision and achievements**
Raffaella Casotti, senior scientist, SZN

16:45 – 17:00 **The National Biodiversity Future Center**
Gian Marco Luna, IRBIM director, CNR

17:00 – 17:15 **Identification and characterisation of extreme microbial ecosystems**
Maria Garcia, Team Leader, Head of SPC Facility, EMBL

17:15 – 17:30 **Ocean Microbiome and Bioremediation: How can we improve knowledge to address chemical pollution.**
Donatella de Pascale, senior scientist, SZN