EMBL – Europe’s Life Science Research Institution

CNR-EMBL Scientific Collaboration Meeting

Organizers
Prof. Daniela Corda, Director, Department of Biomedical Sciences, CNR
Prof. Edith Heard, Director General, EMBL

Speakers & Chairs
Daniela Corda, Director, Department of Biomedical Sciences, CNR
Giovanni Maga, Director, Institute of Molecular Genetics, CNR
Giuseppe Matarese, Associate Professor, Group Leader, Institute for Experimental Endocrinology and Oncology, CNR
Michela Matteoli, Director, Neuroscience Institute, CNR
Fabrizio d’Adda di Fagagna, Group Leader, Institute of Molecular Genetics Luigi Luca Cavalli-Sforza, CNR
Edith Heard, Director General, EMBL
Ewan Birney, Deputy Director General, EMBL
Cornelius Gross, Interim Head, EMBL Rome
Alvaro Crevenna, Head of Microscopy, EMBL Rome
Detlev Arendt, Senior Scientist, EMBL Heidelberg
Michael Zimmermann, Group Leader, EMBL Heidelberg
Jan Ellenberg, Head, Cell Biology & Biophysics Unit, EMBL Heidelberg
Neil Humphreys, Head, Gene Editing & Embryology Facility, EMBL Rome
Jamie Hackett, Group Leader, EMBL Rome
Cath Brooksbank, Head of Training, EMBL EBI

Date
Jan. 28th, 2021 – 9:00-12:10 CET, 14:00-16:20 CET

Venue
Virtual meeting, Zoom

Morning Schedule (9:00-12:10)

Session 1. Introduction to EMBL (9:00-9:55, chair; Daniela Corda)
9:00-9:10 Welcome – Daniela Corda (Director, Dept. of Biomedical Sciences, CNR)
9:10-9:40 Introduction to EMBL – Edith Heard (Director General, EMBL) – (20 min + 10 min QA)
9:40-9:55 EMBL in Italy – Cornelius Gross (Interim Head, EMBL Rome) – (8 min + 7 min QA)
short break (5 minutes)

Session 2. Research & Service Highlights (10:50-12:10, 10 min talk + 10 min Q&A, chair: Cornelius Gross)
10:00-10:20 EMBL’s Genomics Platforms and Agritech, Ewan Birney (Deputy Director General, EMBL)
10:20-10:40 Bioinformatics Training, Cath Brooksbank (Head of Training, EMBL EBI)
10:40-11:00 CNR against pandemics: an overview with a focus on antiviral drug development, Giovanni Maga (Director, Institute of Molecular Genetics, CNR, Pavia)
short break (10 minutes)

11:10-11:30  *Metabolic control of autoimmunity and susceptibility to infections*, Giuseppe Matarese (Associate Professor, Group Leader, Institute for Experimental Endocrinology and Oncology, CNR, Napoli)
11:30-11:50  *Planetary Biology*, Detlev Arendt (Senior Scientist, EMBL Heidelberg)
11:50-12:10  *Understanding Microbiome-Drug Interactions*, Michael Zimmermann (Group Leader, EMBL Heidelberg)

*Lunch Break (12:10 – 14:00)*

**Afternoon Schedule (14:00-16:20)**

**Session 3. Signing of MoU (14:00-14:15)**
14:00-14:05  *Presentation of Memorandum of Understanding (MoU)*, Plamena Markova (Head, International Relations, EMBL)
14:05-14:15  *MoU Signing and Remarks*, Daniela Corda & Edith Heard

short break (5 minutes)

**Session 4. Research & Service Highlights (14:20-16:20, 10 min talk + 10 min Q&A, chair: Alvaro Crevenna, Head of Microscopy, EMBL Rome)**
14:20-14:40  *EMBL’s Imaging Centre*, Jan Ellenberg (Head, Cell Biology & Biophysics Unit, EMBL Heidelberg)
14:40-15:00  *In Vivo Genome Engineering*, Neil Humphreys (Head, Gene Editing & Embryology Facility, EMBL Rome)
15:00-15:20  *Genetic and immune bases of synaptopathies*, Michela Matteoli (Director, Neuroscience Institute, CNR, Pisa)

short break (10 minutes)

15:30-15:50  *Telomere dysfunction and aging: from mechanisms to therapeutic opportunities*, Fabrizio d’Adda di Fagagna (Group Leader, Institute of Molecular Genetics Luigi Luca Cavalli-Sforza, CNR, Pavia)
15:50-16:10  *Non-genetic Intergenerational Effects*, Jamie Hackett (Group Leader, EMBL Rome)
16:10-16:20  *Closing Remarks*, Daniela Corda, Edith Heard & Cornelius Gross