



## 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. 28<sup>th</sup>, 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