

EMBL 2024

Courses and Conferences

JANUARY

- 22–26 Jan · EMBL Course
Exploratory analysis of biological data: data carpentry
- 29–31 Jan · EMBL Industry Workshop
Cryo-EM in academia and industry

FEBRUARY

- 4–9 Feb · EMBL Course
Analysis and integration of transcriptome and proteome data
- 12–16 Feb · EMBL-EBI Course
Introduction to RNA-seq and functional interpretation **VIRTUAL**
- 19–23 Feb · EMBL-EBI Course
Exploring gene and environmental exposure interactions to understand human health and disease
- 20–23 Feb · EMBO Workshop
The new cardiobiology
- 27 Feb–1 Mar · EMBO Practical Course
Integrative analysis of multi-omics data

MARCH

- 4–8 Mar · EMBL-EBI Course
Introduction to multi-omics data integration and visualisation
- 4–8 Mar · EMBL Course
Gene expression at spatial resolution
- 11–15 Mar · EMBL-EBI Course
Mathematics of life: modelling molecular mechanisms **VIRTUAL**
- 12–15 Mar · EMBO | EMBL Symposium
AI and biology
- 18–22 Mar · EMBL-EBI Course
Livestock genomics **VIRTUAL**
- 19–22 Mar · EMBO | EMBL Symposium
Biological oscillators: rhythms and synchronisation across scales
- 19–22 Mar · EMBL Course
Protein quality control for downstream processes

APRIL

- 8–12 Apr · EMBL-EBI Course
Data-driven approaches to understanding dementia
- 8–12 Apr · EMBL Course
scATAC-seq: attacking open chromatin in single cells
- 9–12 Apr · EMBO | EMBL Symposium
Diversity of plants: from genomes to metabolism
- 15–18 Apr · EMBO | EMBL Symposium
The mechanics of life: from development to disease
- 15–19 Apr · EMBO Practical Course
Ultrastructure expansion microscopy
- 22–26 Apr · EMBL-EBI Course
Microscopy data analysis: machine learning and the BioImage Archive **VIRTUAL**
- 22–26 Apr · EMBL Course
Fundamentals of widefield and confocal microscopy and imaging
- 23–26 Apr · EMBO | EMBL Symposium
Organismal physiology

MAY

- 6–8 May · EMBO Workshop
Building networks: engineering in vascular biology **BARCELONA**
- 12–17 May · EMBL Course
Advanced fluorescence imaging techniques

- 14–17 May · EMBO | EMBL Symposium
Cellular mechanisms driven by phase separation
- 14–17 May · EMBL-EBI Course
Introduction to metabolomics analysis
- 21–23 May · EMBL Conference
BioMalPar XX: biology and pathology of the malaria parasite
- 26–31 May · EMBL Course
Whole transcriptome data analysis

JUNE

- 1–8 Jun · EMBO Practical Course
Structural characterisation of macromolecular complexes **GRENOBLE**
- 5–8 Jun · EMBO | EMBL Symposium
Microtubules: from atoms to complex systems
- 9–15 Jun · EMBO Practical Course
C. elegans: from genome editing to imaging
- 10–14 Jun · EMBL-EBI Course
Systems biology: from large datasets to biological insight
- 17–21 Jun · EMBL-EBI Course
Summer school in bioinformatics
- 18–21 Jun · EMBO | EMBL Symposium
Innate immunity in host-pathogen interactions
- 24–28 Jun · EMBL-EBI Course
Cancer genomics and transcriptomics **VIRTUAL**

JULY

- 1–5 Jul · EMBL-EBI Course
Bioinformatics for immunologists
- 8–12 Jul · EMBO Practical Course
Time-resolved macromolecular serial crystallography **GRENOBLE**
- 8–13 Jul · EMBL Course
Time-resolved STED nanoscopy in life sciences
- 15–19 Jul · EMBL-EBI Course
Proteomics bioinformatics

AUGUST

- 18–26 Aug · EMBO Practical Course
Advances in cryo-electron microscopy and 3D image processing
- 24–27 Aug · EMBL Conference
Transcription and chromatin

SEPTEMBER

- 1–6 Sep · EMBL Course
Genome engineering: CRISPR/Cas in cells and mice
- 1–10 Sep · EMBO Practical Course
Current methods in cell biology
- 2–5 Sep · EMBO Workshop
Imaging mouse development
- 9–12 Sep · EMBO Workshop
Chemical biology 2024
- 9–16 Sep · EMBO Practical Course
Membrane protein expression, purification, and characterisation 3 (mPEPC3) **HAMBURG**
- 15–22 Sep · EMBO Practical Course
Synthetic biology in action: engineering synthetic systems **HYBRID**
- 17–20 Sep · EMBO | EMBL Symposium
Reconstructing the human past: using ancient and modern genomics
- 23–27 Sep · EMBL-EBI Course
Metagenomics bioinformatics at MGnify **VIRTUAL**

- 23–27 Sep · EMBL-EBI Course
Single-cell RNA-seq analysis with Python **VIRTUAL**
- 30 Sep–3 Oct · EMBO | EMBL Symposium
Defining and defeating metastasis

OCTOBER

- 8–11 Oct · EMBO Workshop
Molecular mechanisms in evolution and ecology
- 13–18 Oct · EMBO Practical Course
Metabolite and species dynamics in microbial communities **HEIDELBERG AND BANGALORE**
- 15–18 Oct · EMBO | EMBL Symposium
The complex life of RNA
- 21–26 Oct · EMBL Course
Imaging down to single-molecule resolution: STED & MINIFLUX nanoscopy
- 29–31 Oct · EMBL-EBI Course
Managing a bioinformatics core facility

NOVEMBER

- 4–8 Nov · EMBL-EBI Course
Structural bioinformatics **VIRTUAL**
- 4–8 Nov · EMBO Practical Course
The fundamentals of high-end cell sorting
- 5–8 Nov · EMBO | EMBL Symposium
DNA replication: from basic biology to disease
- 14–15 Nov · EMBL Conference
The next generation in infection biology **VIRTUAL**
- 17–22 Nov · EMBO Practical Course
Humanized mice: immunotherapy and regenerative medicine
- 17–24 Nov · EMBO Practical Course
Integrative structural biology: solving molecular puzzles
- 18–22 Nov · EMBL-EBI Course
Genome bioinformatics: from short- to long-read sequencing
- 18–22 Nov · EMBL-EBI Course
Plant genomes: from data to discovery **VIRTUAL**
- 19–22 Nov · EMBL Conference
Quantitative biology to molecular mechanisms

DECEMBER

- 3–6 Dec · EMBL Course
Hands-on course for sample preparation and data analysis in proteomics
- 4–6 Dec · EMBL Conference
26th EMBL PhD Symposium

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CONFERENCES are held at the Advanced Training Centre in Heidelberg, Germany (unless indicated otherwise), with the option to attend virtually

COURSE LOCATIONS: Unless indicated otherwise, EMBL Courses and EMBO Practical Courses are held in Heidelberg, Germany, while EMBL-EBI Courses are held in Hinxton, UK

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