

# 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 Course  
Protein quality control for downstream processes
- 18–22 Mar · EMBL-EBI Course  
Livestock genomics **VIRTUAL**
- 19–22 Mar · EMBO | EMBL Symposium  
Biological oscillators: rhythms and synchronisation across scales

### 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
- 13–17 May · EMBL-EBI Course  
Introduction to metabolomics analysis
- 14–17 May · EMBO | EMBL Symposium  
Cellular mechanisms driven by phase separation
- 21–23 May · EMBL Conference  
BioMalPar XX
- 26–31 May · EMBL Course  
Whole transcriptome data analysis

### JUNE

- 1–8 Jun · EMBO Practical Course  
Structural characterisation of macromolecular complexes **GRENOBLE**
- 3–7 Jun · EMBL-EBI Course  
Systems biology: from large datasets to biological insight **VIRTUAL**
- 5–8 Jun · EMBO | EMBL Symposium  
Microtubules: from atoms to complex systems
- 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**
- 15–19 Jul · EMBL-EBI Course  
Proteomics bioinformatics

### AUGUST

- 24–27 Aug · EMBL Conference  
Transcription and chromatin

### SEPTEMBER

- 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
- 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
- 15–18 Oct · EMBO | EMBL Symposium  
The complex life of RNA
- 21–26 Oct · EMBL Course  
Imaging down to single-molecule resolution: STED & MINFLUX nanoscopy
- 29–31 Oct · EMBL-EBI Course  
Managing a bioinformatics core facility

### NOVEMBER

- 4–8 Nov · EMBL-EBI Course  
Structural bioinformatics **VIRTUAL**
- 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**
- 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**

### DECEMBER

- 3–6 Dec · EMBL Course  
Hands-on course for sample preparation and data analysis in proteomics

## OPEN-ACCESS BIOINFORMATICS TRAINING

### WEBINARS

- Keep up to date with trends in bioinformatics
- Ask your questions live
- Recordings available on demand

[www.ebi.ac.uk/training/webinars](http://www.ebi.ac.uk/training/webinars)

### ONLINE TUTORIALS

- Introducing concepts in bioinformatics
- Get started with EMBL-EBI's tools and resources
- Learn anywhere, anytime at your own pace

[www.ebi.ac.uk/training/on-demand](http://www.ebi.ac.uk/training/on-demand)

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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

DISCLAIMER: Poster is correct at time of publishing, but subject to changes and cancellations

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