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
19 – 23 Feb · EMBL-EBI Course
Exploring gene and environmental exposure interactions to understand human health and disease
20 – 22 Feb · EMBL Workshop
The new cold biologystudy
27 Feb – 1 Mar · EMBL 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
12 – 15 Mar · EMBL | EMBL Symposium
AI and biology
18 – 22 Mar · EMBL-EBI Course
Livestock genomics
19 – 22 Mar · EMBL | 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 · EMBL | EMBL Symposium
Diversity of plants: from genomes to metabolism
15 – 18 Apr · EMBL | EMBL Symposium
The mechanics of life: from development to disease
15 – 19 Apr · EMBL Practical Course
Ultrastructure expansion microscopy
22 – 26 Apr · EMBL-EBI Course
Microscopy data analysis: machine learning and the BioImage Archive
22 – 26 Apr · EMBL Course
Fundamentals of widefield and confocal microscopy and imaging

**MAY**

6 – 8 May · EMBL Workshop
Building networks: engineering in vascular biology
12 – 17 May · EMBL Course
Advanced fluorescence imaging techniques
14 – 17 May · EMBL | 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 · EMBL Practical Course
Structural characterisation of macromolecular complexes
5 – 8 Jun · EMBL | EMBL Symposium
Microtubules: from atoms to complex systems
9 – 15 Jun · EMBL 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
Summits in bioinformatics
18 – 21 Jun · EMBL | EMBL Symposium
Innate immunity in host-pathogen interactions
24 – 28 Jun · EMBL-EBI Course
Cancer genomics and transcriptomics

**JULY**

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

**AUGUST**

18 – 26 Aug · EMBL 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 · EMBL Practical Course
Current methods in cell biology
2 – 5 Sep · EMBL Workshop
Imaging mouse development
9 – 12 Sep · EMBL Workshop
Chemical biology 2024
9 – 16 Sep · EMBL Practical Course
Membrane protein expression, purification, and characterisation 3 (mPEPC3)
15 – 22 Sep · EMBL Practical Course
Synthetic biology in action: engineering synthetic systems
17 – 20 Sep · EMBL | EMBL Symposium
Reconstructing the human past: using ancient and modern genomics
23 – 27 Sep · EMBL-EBI Course
Metagenomics bioinformatics at MGnify

**OCTOBER**

8 – 11 Oct · EMBL Workshop
Molecular mechanisms in evolution and ecology
13 – 18 Oct · EMBL Practical Course
Metabolite and species dynamics in microbial communities
15 – 18 Oct · EMBL | 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
4 – 8 Nov · EMBL Practical Course
The fundamentals of high-end cell sorting
5 – 8 Nov · EMBL Symposium
DNA replication: from basic biology to disease
14 – 15 Nov · EMBL Conference
The next generation in infection biology

**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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