EMBL 2023
Courses and Conferences

**JANUARY**
24 – 27 Jan · EMBL Course
Computing skills for reproducible research: data carpentry

**FEBRUARY**
6 – 10 Feb · EMBL Course [VIRTUAL]
Single-cell RNA-seq analysis using Galaxy
8 – 11 Feb · EMBL Workshop
In situ structural biology: from cryo-EM to integrative modelling
12 – 17 Feb · EMBL Practical Course
In situ CLEM at room temperature and in cryo
20 – 24 Feb · EMBL Course
Introduction to RNA-seq and functional interpretation
26 Feb – 3 Mar · EMBL Course
Analysis and integration of transcriptome and proteome data

**MARCH**
5 – 10 Mar · EMBL Practical Course
Techniques for mammary gland research
6 – 10 Mar · EMBL Course
Introduction to multomics data integration and visualisation
8 – 11 Mar · EMBL Symposium
The cellular mechanisms of symbiosis
12 – 17 Mar · EMBL Practical Course
Extracellular vesicles: from biology to biomedical applications
21 – 23 & 30 Mar · EMBL Course [VIRTUAL]
Exploring human genetic variation
26 Mar – 1 Apr · EMBL Practical Course
Measuring translational dynamics by ribosome profiling
27 – 31 Mar · EMBL Course
Introduction to metabolomics analysis
28 – 31 Mar · EMBL Workshop
VIZBI 2023: visualizing biological data

**APRIL**
17 – 24 Apr · EMBL Practical Course
Microbial metagenomics: a 360° approach
25 – 27 Apr & 4 May · EMBL Course [VIRTUAL]
Bioinformatics resources for protein biology
25 – 28 Apr · EMBL | EMBL Symposium
Brain genome: regulation, evolution, and function

**MAY**
7 – 12 May · EMBL Course
Advanced fluorescence imaging techniques
8 – 12 May · EMBL Course
Data visualisation for biology
9 – 12 May · EMBL | EMBL Symposium
The organism and its environment
15 – 18 May · EMBL Conference
Chromatin and epigenetics
16 – 18 May · EMBL Course
Practical biocuration
21 – 26 May · EMBL Course
Whole transcriptome data analysis
22 – 26 May · EMBL Course [VIRTUAL]
Microscopy data analysis: machine learning and the BioImage Archives
22 – 26 May · EMBL Course
Expansion microscopy
23 – 25 May · EMBL Conference
BioMalPar XIX: biology and pathology of the malaria parasite

**JUNE**
4 – 7 Jun · EMBL | EMBL Symposium
The ageing genome: from mechanisms to disease
5 – 9 Jun · EMBL Course
Deep learning for image analysis
11 – 16 Jun · EMBL Practical Course
Quantitative proteomics: strategies and tools to probe biology
12 – 15 Jun · EMBL | EMBL Symposium
Life at the periphery: mechanobiology of the cell surface
12 – 16 Jun · EMBL Course
Summer school in bioinformatics
18 – 23 Jun · EMBL Practical Course
Computational modelling of multicellular systems
19 – 20 Jun · EMBL Science and Society Conference
Terra incognita: navigating ethical boundaries in the life sciences
19 – 21 Jun · EMBL Course
Bioinformatics for principal investigators
19 – 21 Jun · EMBL Course
Managing a bioinformatics core facility
25 – 30 Jun · EMBL Practical Course
Imaging-based spatial-omics
27 – 30 Jun · EMBL | EMBL Symposium
New approaches and concepts in microbiology

**JULY**
3 – 7 Jul · EMBL Course
Proteomics bioinformatics
10 – 14 Jul · EMBL Course
Cancer genomics
10 – 14 Jul · EMBL Course
Fluorescence imaging beyond intensity
11 – 14 Jul · EMBL Workshop
Predicting evolution
16 – 21 Jul · EMBL Practical Course [VIRTUAL]
Drosophila genetics and genomics
18 – 21 Jul · EMBL Symposium
Theory and concepts in biology
24 Jul – 4 Aug · EMBL Practical Course
Plasticity in developing systems: time, space, and environment

**SEPTEMBER**
6 – 10 Sep · EMBL Conference
Protein synthesis and translational control
10 – 15 Sep · EMBL Practical Course [VIRTUAL]
Advanced methods in bioimage analysis
12 – 15 Sep · EMBL Workshop
Developmental metabolism: flows of energy, matter, and information
17 – 22 Sep · EMBL Course
Genome engineering: CRISPR/Cas from cells to mice
18 – 22 Sep · EMBL Course [VIRTUAL]
Single-cell RNA-seq analysis using Python
20 – 23 Sep · EMBL | EMBL Symposium
The human microbiome

**OCTOBER**
2 – 6 Oct · EMBL Course
Structural bioinformatics
4 – 7 Oct · EMBL | EMBL Symposium
Seeing is believing: imaging the molecular processes of life
9 – 14 Oct · EMBL Course
Liquid biopsies

11 – 14 Oct · EMBL | EMBL Symposium
The non-coding genome
18 – 21 Oct · EMBL Symposium
Organoids: modelling organ development and disease in 3D culture
22 – 27 Oct · EMBL Practical Course [VIRTUAL]
FISHing for RNAs: classical to single molecule approaches
23 – 27 Oct · EMBL Course
Systems biology: from large datasets to biological insight
25 – 27 Oct · EMBL | Wellcome Connecting Science Conference
Proteomics in cell biology and disease mechanisms

**NOVEMBER**
6 – 10 Nov · EMBL Course
Preparation of genomic libraries for an emerging next-gen sequencing platform
6 – 10 Nov & 27 Nov – 1 Dec · EMBL Course
Solution scattering from biological macromolecules
8 – 11 Nov · EMBL Workshop
The mobile genome: genetic and physiological impacts of transposable elements
13 – 17 Nov · EMBL Course
Hands-on flow cytometry: learning by doing!
15 – 17 Nov · EMBL Conference
Cancer genomics
20 – 22 Nov · EMBL Conference
25th EMBL PhD Symposium
20 – 24 Nov · EMBL Course
Genome bioinformatics: resequencing and variant calling
28 Nov – 1 Dec · EMBL Workshop
Subcortical sensory circuits: visual, auditory, somatosensory, and beyond

**DECEMBER**
4 – 6 Dec · EMBL Course
Fundamentals of widefield and confocal microscopy and imaging
6 – 9 Dec · EMBL Workshop
Computational structural biology

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