

# EMBL 2020

## Courses and Conferences

### JANUARY

- 20–24 Jan · EMBL Course  
Deep Learning for Image Analysis
- 21–24 Jan · EMBL Course  
Introduction to RNA-Seq and Functional Interpretation
- 28–30 Jan · EMBL Course  
Exploratory Analysis of Biological Data: Data Carpentry

### FEBRUARY

- 2–7 Feb · EMBL Course  
Analysis and Integration of Transcriptome and Proteome Data
- 5–7 Feb · EMBL Conference  
Expanding the Druggable Proteome with Chemical Biology
- 10–13 Feb · EMBL Course  
Immune Profiling of Single Cells
- 11–12 Feb · EMBL Course  
Exploring Human Genetic Variation

### MARCH

- 1–4 Mar · EMBO | EMBL Symposium  
The Organism and its Environment
- 1–6 Mar · EMBO Practical Course  
Techniques for Mammary Gland Research
- 2–6 Mar · EMBL Course  
Introduction to Multiomics Data Integration and Visualisation
- 8–11 Mar · EMBL Conference  
Advances in Stem Cells and Regenerative Medicine
- 9–12 Mar · EMBL Course  
Circulating Tumour DNA in Clinical Applications
- 10–12 Mar · EMBL Course  
Bioinformatics Resources for Protein Biology
- 15–18 Mar · EMBO | EMBL Symposium  
Inter-Organ Communication in Physiology and Disease
- 15–20 Mar · EMBO Practical Course  
FISHING for RNAs: Classical to Single Molecule Approaches
- 16–20 Mar · EMBL Course  
Data Visualisation for Biology: A Practical Workshop on Design, Techniques and Tools
- 29 Mar–1 Apr · EMBO | EMBL Symposium  
The Four-Dimensional Genome
- 30 Mar–1 Apr · Wellcome Genome Campus - EMBL Conference · Hinxton  
Proteomics in Cell Biology and Disease Mechanisms
- 30 Mar–2 Apr · EMBL Course  
Introduction to Metabolomics Analysis
- 30 Mar–3 Apr · EMBL Course  
Target Engagement in Biology and Drug Discovery

### APRIL

- 20–22 Apr · EMBL Conference · Hinxton  
2nd European Network Biology Conference: From Networks to Modelling
- 20–24 Apr · EMBL Course  
RNA-Sequence Analysis
- 20–27 Apr · EMBO Practical Course  
Microbial Metagenomics: A 360° Approach
- 22–24 Apr · EMBO Workshop  
The Epitranscriptome
- 23–24 Apr · EMBL Course  
Advanced Network Analysis and Visualisation in Cytoscape

### MAY

- 3–9 May · EMBO Practical Course  
Measuring Translational Dynamics by Ribosome Profiling
- 6–9 May · EMBO Workshop  
Microglia 2020

- 11–14 May · EMBO | EMBL Symposium  
Cellular Mechanisms Driven by Liquid Phase Separation
- 11–15 May · EMBL Course  
Fundamentals of Widefield and Confocal Microscopy and Imaging
- 11–15 May · EMBL Course  
Starting Single-Cell RNA-Seq Analysis
- 18–20 May · EMBL Conference  
BioMalPar XVI: Biology and Pathology of the Malaria Parasite
- 18–22 May · EMBL Course  
CABANA: Understanding Biodiversity Through Bioinformatics Based Approaches
- 24–29 May · EMBL Course  
Advanced Fluorescence Imaging Techniques
- 25–29 May · EMBL Course  
Hands-on Flow Cytometry – Learning by Doing!

### JUNE

- 3–6 Jun · EMBO | EMBL Symposium  
Microtubules: From Atoms to Complex Systems
- 8–10 Jun · EMBL Course  
Design Thinking: Approaches for Chronic Disease Management
- 8–12 Jun · EMBL Course  
Whole Transcriptome Data Analysis
- 16–26 Jun · EMBO Practical Course  
Advanced Electron Microscopy for Cell Biology
- 17–19 Jun · EMBL Course  
Bioinformatics for Principal Investigators
- 17–19 Jun · EMBL Course  
Managing a Bioinformatics Core Facility
- 21–26 Jun · EMBO Practical Course  
Quantitative Proteomics: Strategies and Tools to Probe Biology
- 22–26 Jun · EMBL Course  
Summer School in Bioinformatics
- 28 Jun–1 Jul · EMBO | EMBL Symposium  
Innate Immunity in Host-Pathogen Interactions
- 28 Jun–3 Jul · EMBO Practical Course  
Drosophila Genetics and Genomics
- 29 Jun–3 Jul · EMBL Course  
Cancer Genomics

### JULY

- 6–10 Jul · EMBL Course  
Systems Biology: From Large Datasets to Biological Insight
- 6–11 Jul · EMBL Course  
Super-Resolution Microscopy
- 12–14 Jul · EMBL Conference  
Microfluidics: Designing the Next Wave of Biological Inquiry
- 13–17 Jul · EMBL Course  
Metagenomics Bioinformatics
- 19–22 Jul · EMBO | EMBL Symposium  
Defining and Defeating Metastasis
- 19–24 Jul · EMBO Practical Course  
Molecular Geobiology
- 19–24 Jul · EMBL Course  
Proteomics Bioinformatics

### AUGUST

- 23–31 Aug · EMBO Practical Course  
Cryo-Electron Microscopy and 3D Image Processing
- 29 Aug–1 Sep · EMBL Conference  
Transcription and Chromatin
- 31 Aug–4 Sep · EMBL Course  
Gene Expression at Spatial Resolution

### SEPTEMBER

- 2–5 Sep · EMBO Workshop  
Chemical Biology 2020
- 7–14 Sep · EMBO Practical Course  
Membrane Protein Expression, Purification and Characterisation (mPEPC2)

- 14–17 Sep · EMBO | EMBL Symposium  
The Neurovascular Interface
- 14–18 Sep · EMBL Course  
Structural Bioinformatics
- 14–19 Sep · EMBL Course  
Liquid Biopsies
- 20–22 Sep · EMBO | EMBL Symposium  
The Molecular Basis and Evolution of Sexual Dimorphism
- 27 Sep–2 Oct · EMBL Course  
Genome Engineering: CRISPR/Cas
- 28 Sep–2 Oct · EMBL Course  
Whole Transcriptome Data Analysis
- 30 Sep–3 Oct · EMBL Conference  
Molecular Mechanisms in Evolution and Ecology

### OCTOBER

- 3–9 Oct · EMBO Practical Course  
Advanced Methods in Bioimage Analysis
- 5–8 Oct · EMBL Course  
Single-Cell RNA-Sequence Analysis
- 7–10 Oct · EMBO | EMBL Symposium  
The Complex Life of RNA
- 12–15 Oct · EMBL Course  
FFPE/cfDNA NGS Library Prep for Genome and Methylome Analysis
- 13–14 Oct · EMBO | EMBL | HHMI Conference  
Gender Roles and Their Impact in Academia
- 14–16 Oct · EMBL Course  
Exploring Biological Sequences
- 19–23 Oct · EMBL Course  
CABANA: Bioinformatics for Plant Biology
- 20–22 Oct · EMBL Course  
Computing Skills for Reproducible Research: Software Carpentry
- 21–24 Oct · EMBO | EMBL Symposium  
Organoids: Modelling Organ Development and Disease in 3D Culture
- 26 Oct–1 Nov · EMBO Practical Course  
Solution Scattering from Biological Macromolecules
- 28–31 Oct · EMBO Workshop  
Neuroepigenetics: From Cells to Behaviour and Disease

### NOVEMBER

- 2–5 Nov · EMBL Course  
Bioinformatics and Functional Genomics in Zebrafish
- 3–5 Nov · EMBL Course  
Protein Quality Control for Downstream Processes
- 4–5 Nov · EMBL Science and Society Conference  
Our House is Burning: Scientific and Societal Responses to Mass Extinction
- 8–11 Nov · EMBO | EMBL Symposium  
Biological Oscillators: Design, Mechanism, Function
- 11–12 Nov · EMBL Course  
Transgenic Animals – Micromanipulation Techniques
- 15–18 Nov · EMBL Conference  
From Functional Genomics to Systems Biology
- 15–21 Nov · EMBO Practical Course  
Single-Cell Omics
- 22–27 Nov · EMBO Practical Course  
Extracellular Vesicles: From Biology to Biomedical Applications
- 23–27 Nov · EMBL Course  
Next Generation Sequencing Bioinformatics
- 26–28 Nov · EMBL Conference  
22nd EMBL PhD Symposium

### DECEMBER

- 6–8 Dec · EMBO Workshop  
In situ Structural Biology – From Cryo-EM to Integrative Modelling
- 7–11 Dec · EMBL Course  
CABANA: Genomic Data for Surveillance of Communicable Disease

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CONFERENCES are held at the EMBL Advanced Training Centre Heidelberg, Germany (unless indicated otherwise)

COURSE LOCATIONS:  
Heidelberg | Hamburg | Hinxton

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