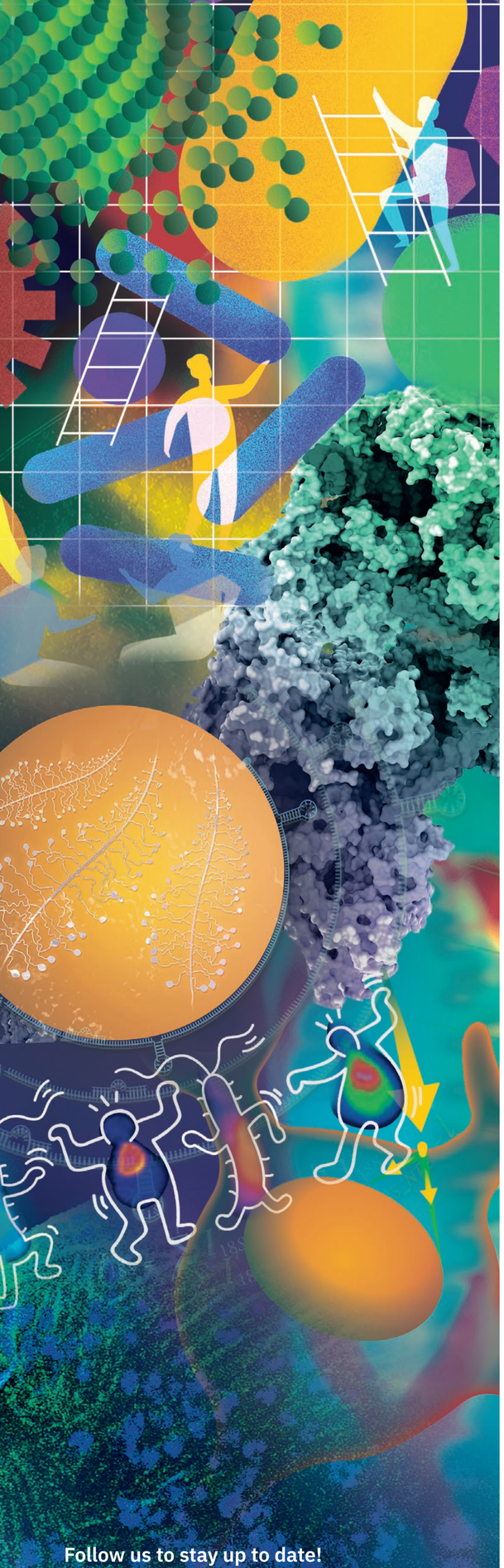

EMBL 2024
Courses and Conferences

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 & MINFLUX 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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