EMBL-EBI

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The European Molecular Biology Laboratory

80+ nationalities  >1700 personnel  6 sites in Europe

Heidelberg, Germany  Hinxton, Cambridge, UK  Grenoble, France

Main Laboratory  Bioinformatics  Structural Biology

Tissue Biology, Disease Modeling  Mouse Biology  Structural Biology

Barcelona, Spain  Rome, Italy  Hamburg, Germany
Our mission

- Deliver excellent research
- Deliver scientific services
- Train the next generation of scientists
- Engage with industry
- Coordinate bioinformatics in Europe
What services do we provide?

Labs around the world send us their data and we...

...provide tools to help researchers use it

A collaborative enterprise

Archive it

Classify it

Analyse, add value and integrate it

Share it with other data providers
Big Data, big demand for EMBL-EBI data services...

81 million requests to EMBL-EBI websites every day

157 grants jointly funded with 577 institutes from 62 countries in 2019

545,000 unique IPs accessed our Train online platform in 2020

390 petabytes of raw data storage
Data Resources at EMBL-EBI

- **Literature**
  - BioStudies
  - Europe PMC

- **Genes, Genomes & Variation**
  - Ensembl
  - Ensembl Genomes
  - GWAS Catalog
  - HGNC
  - IGSR
  - VectorBase
  - WormBase

- **Proteins & Protein Families**
  - Enzyme Portal
  - GDA
  - MGRnify
  - IntAct
  - Pfam
  - RefSeq
  - UniProt

- **Chemical Biology**
  - ChEBI
  - ChEMBL
  - MetaboLights
  - SureChEMBL

- **Drug Discovery**
  - Open Targets Platform

- **Molecular Archives**
  - BioSamples
  - EFO
  - EGA
  - ENA
  - EVA
  - Mouse Resources

- **Molecular Atlas**
  - ArrayExpress
  - Expression Atlas
  - PHISE

- **Molecular & Cellular Structure**
  - EMDB
  - EMPIAR
  - PDB
  - PDB-KB

- **Molecular Systems**
  - BioModels
  - IntAct
  - OmicsDI
  - Reactome