

EMBL-EBI



Matt Hall
Senior Scientific Officer, EMBL-EBI





The European Molecular Biology Laboratory

80+ nationalities

>1700 personnel

6 sites in Europe

Heidelberg, Germany





Barcelona, Spain

Hinxton, Cambridge, UK





Rome, Italy

Grenoble, France





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?

...provide tools to help researchers use it

Analyse, add value and integrate it

> Share it with other data providers





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

Archive it

Classify it





























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

GOA

MGnify InterPro

Pfam

Rfam

RNAcentral UniProt

Chemical Biology

ChEBI

ChEMBL

MetaboLights SureChEMBL

Drug Discovery

Open Targets Platform





















BioSamples

EFO

EGA

ENA

EVA

Mouse resources

Molecular Atlas

ArrayExpress

Expression Atlas

PRIDE

Molecular & Cellular

Structure

EMDB **EMPIAR**

PDBe

PDBe-KB

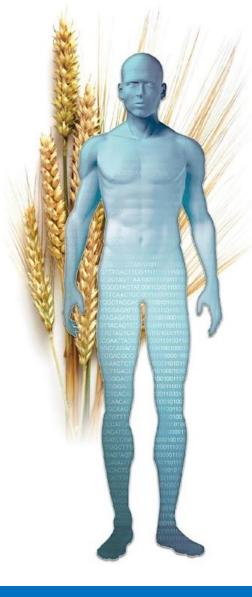
Molecular Systems

BioModels

IntAct

OmicsDI

Reactome































Data Resources at EMBL-EBI

