

Primer for Predocs 2022

Venue: Training Room 1, South Building, EMBL-EBI

The training course is planned to be on-site. We will host 15 predocs in a room with a capacity of 30 people.

A final confirmation of the course format will be announced at the beginning of December.

Date: 17-19 January 2022

Scientific organisation:

- Alexandra Holinski, EMBL-EBI Training Team
- Dayane Rodrigues Araujo, EMBL-EBI Training Team

Event organisation:

- Anna Alasalmi, Research Office
- Meredith Willmott, EMBL-EBI Training Team

Participation: 1st year EMBL-EBI predocs and Sanger PhD students

Course overview

This course is aimed to provide an orientation for new predocs to EMBL-EBI. Databases and services will be introduced, along with other useful information for starting out at EMBL-EBI.

Audience

Newly arrived EMBL-EBI predocs and WTSI PhD students who require an introduction to the database resources and bioinformatics services offered by EMBL-EBI.

Learning Outcomes

After the course you will be able to:

- Provide an overview of the data and tools available through EMBL-EBI services like UniProt, Ensembl, PDB, AlphaFold and Expression Atlas
- Describe the basic concept of EMBL-EBI web services
- Identify helpful approaches and tools for good data management
- Use basic commands for interacting with the EBI cluster and find helpful documentation
- Explain work and life at EMBL-EBI

Programme

Time (UK time)	Session	Trainer
Monday 17th January		
12:00 - 12:30	Lunch	
12:30 - 13:30	Course introduction and icebreaker / get to know each other	Alex Holinski, Dayane Araujo
13:30 - 13:50	Training at EMBL-EBI	Alex Holinski, Dayane Araujo
13:50 - 14:30	Overview of EMBL-EBI data resources	Alex Holinski, Dayane Araujo
14:30 - 15:00	Introduction to web services	Nandana Madhusoodanan
15:00 - 15:15	Break	
15:15 - 16:00	Principles of good data management	Alex Holinski, Dayane Araujo
16:00 - 16:30	PhD management and organisation - some helpful tips and tools	Lina Heinzke
Tuesday 18th January		
09:30 - 10:30	Ensembl	Aleena Mushtaq
10:30 - 10:45	Break	
10:45 - 11:45	UniProt	Emily Bowler-Barnett and Kate Warner
11:45 - 12:30	Lunch break	
12:30 - 13:30	PDBe, PDBe-KB and AlphaFold DB	David Armstrong
13:30 - 14:30	Expression Atlas	Expression Atlas Team
14:30 - 14:45	Break	
14:45 - 15:30	Package management	Lina Heinzke
15:30 - 16:30	Git training	Hillary Elrick
Wednesday 19th January		
09:30 - 10:30	Containers	Hillary Elrick
The following parts are only relevant for EBI predocs		
10:30 - 11:30	Setting up work computers	Hillary Elrick, Lina Heinzke, Anna Vathrakokili Pournara, Margarita Samborskaia
11:30 - 11:45	Break	
11:45 - 12:45	Cluster training	Rafael Griman Canto, Mohamed Alibi (Systems Infrastructure), Brice Letcher, Leandro Lima
12:45 - 13:15	Lunch break	
13:15 - 15:00	Cluster training	Rafael Griman Canto, Mohamed Alibi (Systems Infrastructure), Brice Letcher, Leandro Lima

15:00 - 15:15	Break	
15:15 - 16:30	Mental support & Life at EBI	Anna Vathrakokili Pournara, Margarita Samborskaia, Leah Rosen