

Primers for Predocs

Venue: Training Room 1, South Building

Date: 15-17 January 2020

Scientific organisation:

- Alexandra Holinski, Training Team

Event organisation:

- Anna Alasalmi, Research Office

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, services and research groups will be introduced, along with other useful information for starting out at EBI.

Audience

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

Learning Outcomes

During this course you will:

- Find out about EMBL-EBI resources and the EBI Training Team
- Browse, search and retrieve data from Ensembl and UniProt
- Use the Ensembl REST API and UniProt API
- Use R for basic programmatic tasks
- Discuss workflow management software and understand what it can be used for
- Explore work and life at EMBL-EBI

Programme

Time	Subject	Trainer
Day 1 Wednesday 15 January		
12:30-13:00	Lunch	
13:00-14:00	Predocs introductions	All
14:00-14:45	Training at EMBL-EBI	Alex Holinski
14:45-15:15	EMBL-EBI services	Alex Holinski
15:15-15:30	Break	
15:30-16:30	Introduction to programmatic access & EBI web services	Nandana Madhusoodanan
16:30	End of day	
Day 2 Thursday 16 January		
09:30-10:15	Introduction to Ensembl	Ensembl team
10:15-11:00	Ensembl REST API	Ensembl team
11:00-11:15	Break	
11:15-12:00	Ensembl REST API	Ensembl team
12:30-13:00	Lunch	
13:00-14:00	UniProt database	UniProt team
14:00-15:00	UniProt API	UniProt team
15:00-15:15	Break	
15:15-16:15	Programming in R	Alex Jung
16:15	End of day	
Day 3 Friday 17 January		
09:30-10:30	Introduction to workflow management software for designing & running computational pipelines	Brice Letcher
10:30-10:45	Break	
10:45-12:15	Introduction to workflow management software for designing & running computational pipelines	Brice Letcher
12:15-12:45	Lunch	
EMBL-EBI predocs only		
12:45-13:45	Setting up work computers	Paul Saary

13:45-14:15	EMBL-EBI Staff Association	Staff Association Rep
14:15-15:15	Life at EBI	Charlie Barker
15:15	End of day	