



EMBL-EBI



3 days online Workshop on Genome Annotation using Ensembl Genome Browser

About this course: Ensembl is a genome browser for vertebrate genomes that supports research in comparative genomics, evolution, sequence variation, and transcriptional regulation. Ensembl annotates genes, computes multiple alignments, predicts regulatory function, and collects disease data. Ensembl tools include BLAST, BLAT, BioMart, and the Variant Effect Predictor (VEP) for all supported species. In this workshop, you will learn important aspects of the Ensembl genome browser to perform genome annotation. The sessions will be hands-on with a lot of practice sets and will be conducted by Ensembl staff members.

Prerequisites: Basic understanding of molecular biology and enthusiasm to learn. No computing or programming experience required.

Who can take this course: Masters students, PhD Scholars, Researchers and Teachers from Pharma, Biochemistry, Microbiology, Biotechnology and other allied sciences, Industry personals.

3 days Hands-On training

- Workshop Date: 23-25 March 2021
- Time: 6-9 PM IST (UTC +5:30)
- Trainer:
Dr. Emily Perry, PhD,
European Bioinformatics
Institute (EMBL-EBI),
Cambridge, UK

SCHEDULE OF THE WORKSHOP

23 March

- 6-7.15 - Introduction to Ensembl and the Region in Detail View
- 7.15-7.30 - break
- 7.30-8.45 - Genes and transcript annotation
- 8.45-9 - Q&A

24 March

- 6-7.15 - Variation data and VEP
- 7.15-7.30 - break
- 7.30-8.45 - Comparative genomics
- 8.45-9 - Q&A

25 March

- 6-7.15 - Features that regulate gene expression
- 7.15-7.30 - break
- 7.30-8.45 - BioMart
- 8.45-9 - Q&A

Other details of the workshop:

- Lectures will be conducted every day for 3 hours.
- Fees:
 - Indian Nationals - INR 1200
 - Foreign Nationals - USD 25
- An e-Certificate will be provided to each participant by EMBL-EBI.
- The course material will be provided to each participant.

For registration, visit:

https://genespectrum.co.in/bioinformatics-training/ensembl_workshop/

For any queries:

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