

ENSEMBL BETA - GENOME BROWSER WORKSHOP

Organized by

University of Calcutta in collaboration
with European Bioinformatics Institute



22nd September, 2025

REGISTRATION FEES: NIL



**University of Calcutta (Technology Campus),
JD-2, Sector 3, Salt Lake City, Kolkata 700098**

LIMITED SEATS

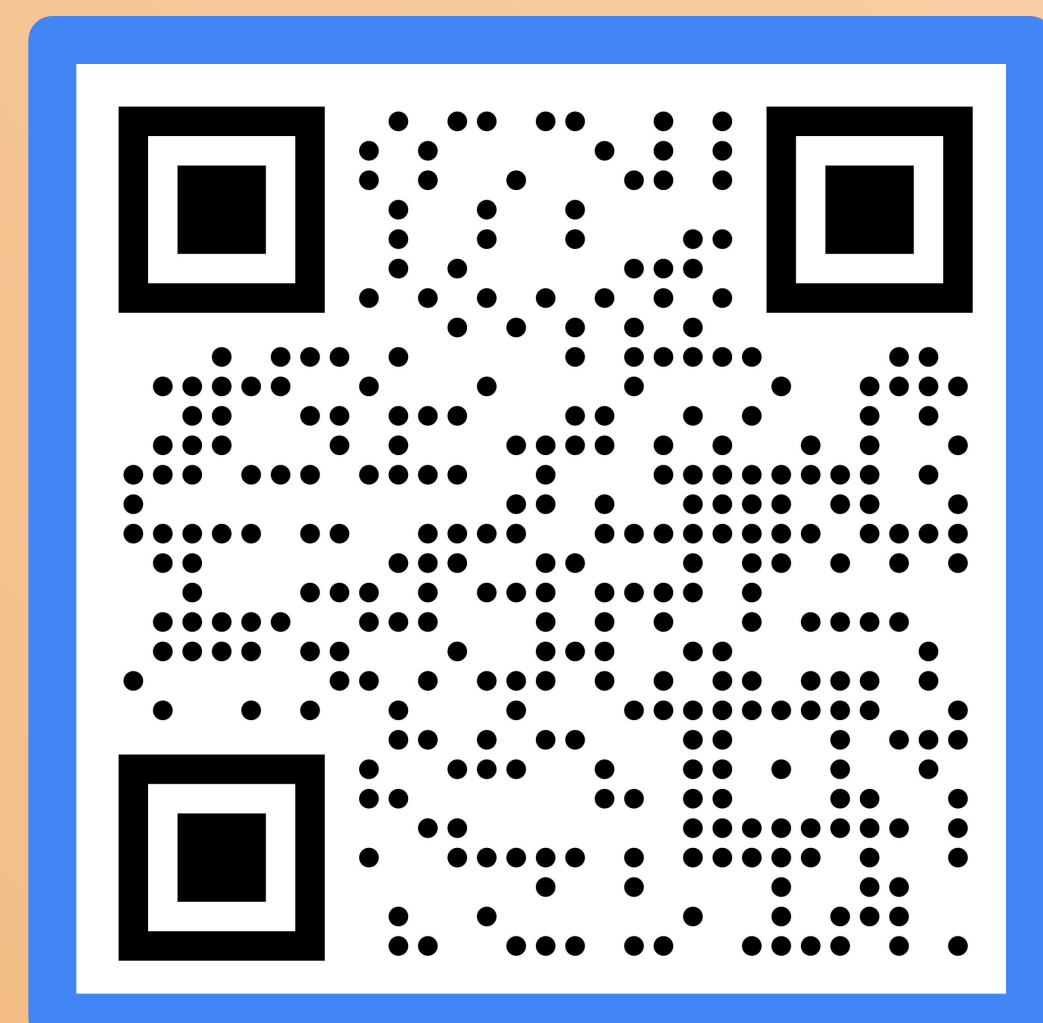


**ensemblworkshop@gmail.com mentioning “Ensembl
Beta - Genome Browser Workshop” as subject**

**REGISTRATION DATE EXTENDED
TO 12th SEPTEMBER, 2025**

Convenor

Prof. Sudip Kundu,
Department of Biophysics, Molecular
Biology and Bioinformatics,
University of Calcutta



Scan for Registration
or visit

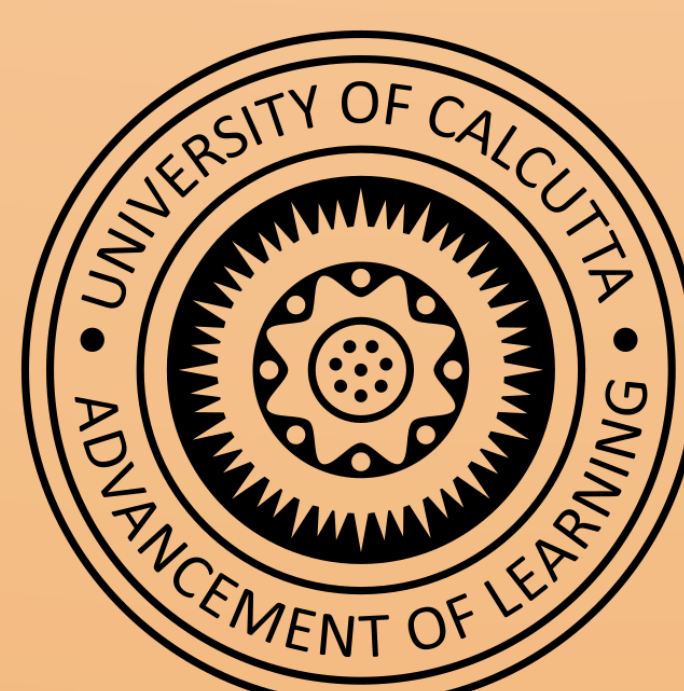
<https://forms.gle/UUR2FgZeeTqdrDWaA>

Local Organizing Committee

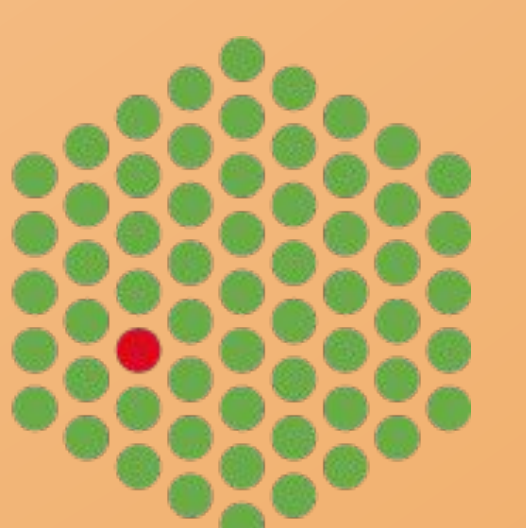
- **Prof. Sudip Kundu**, University of Calcutta
- **Prof. Ansuman Lahiri**, University of Calcutta
- **Prof. Nabendu Chaki**, University of Calcutta
- **Dr. Sumita Sengupta**, University of Calcutta
- **Dr. Runa Sur**, University of Calcutta
- **Ms. Devlina Sarkar**, University of Calcutta
- **Mr. Subhajit Mondal**, University of Calcutta

**REGISTRATION CLOSES
ON 08th SEPTEMBER, 2025**

ENSEMBL



EMBL-EBI



Ensembl Beta - Genome Browser Workshop

Monday, 22nd September, 2025 | 10:00 - 15:00 (IST)

Ensembl

[Ensembl Beta](#) provides a new Ensembl interface and infrastructure for accessing genomic information, including genes, variants, comparative genomics and gene regulation data for over 3000 species from across the tree of life.

Workshop Description

This workshop will provide participants with the opportunity to learn about the wide range of data available through Ensembl and gain hands-on experience in navigating the Ensembl website to retrieve and interpret data. The workshop consists of a series of modules which include a presentation and a demonstration of the tools, followed by the opportunity to do exercises. Participants are encouraged to bring problems/questions about their research and we will try to tackle these during the workshop using Ensembl. The [Ensembl Beta](#) is in active development, so expected features may not be available or will change in the near future. Feedback on the site and how it meets your needs will form part of the workshop.

Target Audience

This is an introductory workshop that is aimed at wet-lab scientists and bioinformaticians who are new to using Ensembl or have not yet discovered the power and depth of this resource. For the interactive aspects of this workshop, participants are encouraged to bring their personal laptops.

Ensembl Outreach

The Ensembl Outreach team and Ensembl are part of the European Bioinformatics Institute ([EMBL-EBI](#)), who provide open-access bioinformatics resources and training to researchers around the globe. The workshop will be delivered by [Jorge Batista da Rocha](#), who completed his PhD in Bioinformatics and Human Genetics at the University of the Witwatersrand, South Africa.

Learning Objectives

- Access the main data types through the Ensembl web browser platform: genomes, genes, genetic variation; and an outline of regulatory features and homology annotation
- View genomic regions from chromosomal to nucleotide scale
- Explore information about genes and their sequences
- Analyse genomic variants using the Variant Effect Predictor (VEP)
- View homologous genes across species reference collections
- View functional elements involved in gene regulation alongside gene transcripts
- Outline accessing data at whole genome scales or via programmatic means

Ensembl Train the Trainer Workshop

Tuesday, 23rd September, 2025 | 10:00 - 17:00 (IST)

Ensembl

[Ensembl Beta](#) provides a new Ensembl interface and infrastructure for accessing genomic information, including genes, variants, comparative genomics and gene regulation data for over 3000 species from across the tree of life.

Workshop Description

Participants will learn about the general principles of training, along with the specifics of how Ensembl prepare their training courses. The course includes a practical element where participants can practice delivering training and receive feedback on their training style.

Target Audience

This Train the Trainer workshop enables individuals to deliver their own Ensembl browser workshops. These are especially beneficial for hosts in low-middle income countries and empowers trainers at institutes around the world to teach their own Ensembl training courses, allowing the knowledge and skills they learn to be passed onto future generations of scientists.

Ensembl Outreach

The Ensembl Outreach team and Ensembl are part of the European Bioinformatics Institute ([EMBL-EBI](#)), who provide open-access bioinformatics resources and training to researchers around the globe. The workshop will be delivered by [Jorge Batista da Rocha](#), who completed his PhD in Bioinformatics and Human Genetics at the University of the Witwatersrand, South Africa.

Learning Objectives

- Describe what makes good/bad training and the skills needed by a trainer.
- Design a training session with appropriate learning objective.
- Appreciate your own learning style, how it may differ to others and how you can deliver training appropriate to different learning styles.
- Use existing Ensembl training materials to create your own training materials.
- Deliver a short training course on using an aspect of Ensembl.