

COMPUTATIONAL BIOLOGY

PREDICTING STRUCTURE & FUNCTION OF PROTEINS

Workshop

Since the sequencing of the human genome, biology has become a source of challenging inference problems. Several recent advances in machine learning and computational modelling have been applied to biological problems at the levels of molecular sequences, three-dimensional structures and in the prediction of their functions. This workshop will introduce participants to some of the challenging problems to which machine learning techniques have been applied, with the focus on predicting the structure and function of proteins.

3rd International Conference on
Data Science & Artificial Intelligence

ICDSAI 2025

RESOURCE PERSONS :



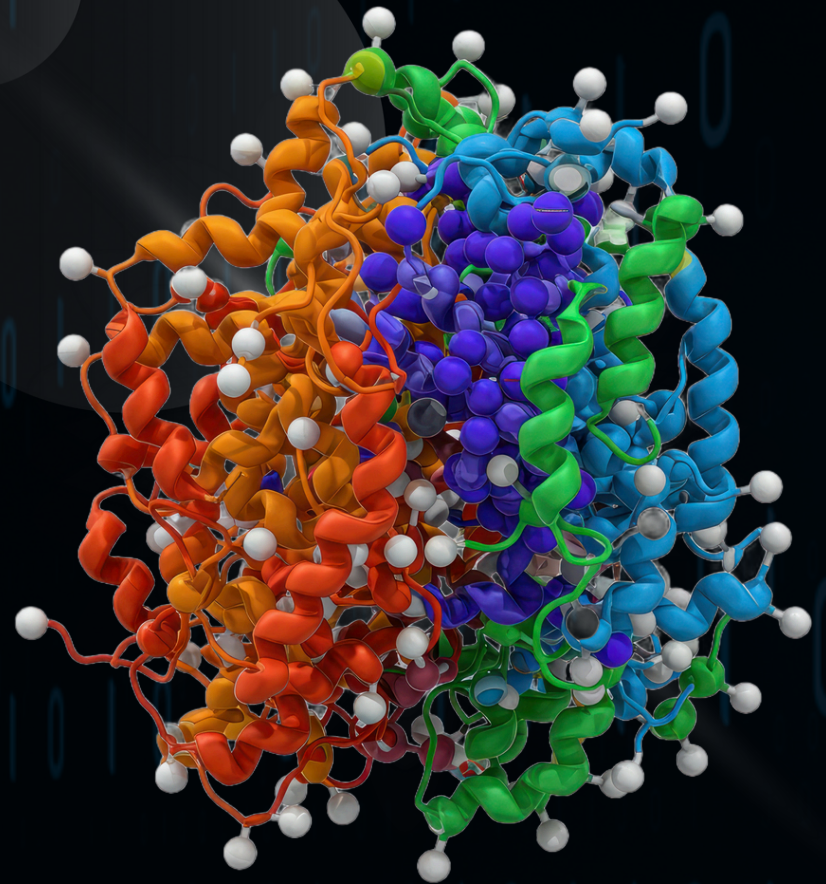
Prof. Mahesan Niranjan,
University of Southampton, UK



Dr. Rupika Wijesinghe,
University of Colombo School
of Computing, Sri Lanka.

Workshop Fee :

Rs. 5,000/-
(Rs. 2,500/- for conference participants & students)



✓ Introduction to Neural Networks & Machine Learning

✓ Proteins: Sequence, structure and function

✓ Predicting protein structures – architecture of AlphaFold

✓ Hands-on work on predicting protein secondary structure

✓ Discussion

REGISTER NOW!



Friday, 22nd November 2025
09.00 - 16.00 hours



PGIS

Organized by :

