

Title:

Genome data analytics in Infectious diseases and in complex diseases

Abstract:

Genome data are encased in literature, gene expression datasets and various repositories. I shall present the analysis of these datasets in case of infectious diseases and in complex diseases using the published softwares developed in our group. The analysis reveals the innovative genome strategies used by pathogens. In case of complex diseases revelation includes the common genes in co-morbidity cases, examples of inclusive index, most notably in diabetes associated complications. Significant Challenges remain in genome informatics, which may need disruptive ideas.