

Immunoinformatics

(Course duration: 30days)

COURSEWORK

Introduction to Immunoinformatics and Computational Vaccinology

Accessing genome databases and agencies

Vaccine database and Data mining

T-Cells development

Antigen processing and presentation

Reverse Vaccinology

Vaccine screening

MHC binding

Organ Transplant and Auto Immune diseases

Epitope prediction and Servers

In Silico approach towards AIDS Vaccine and Avian Influenza Virus

Vaccine design

Relevant Tools and Softwares

Research Project