



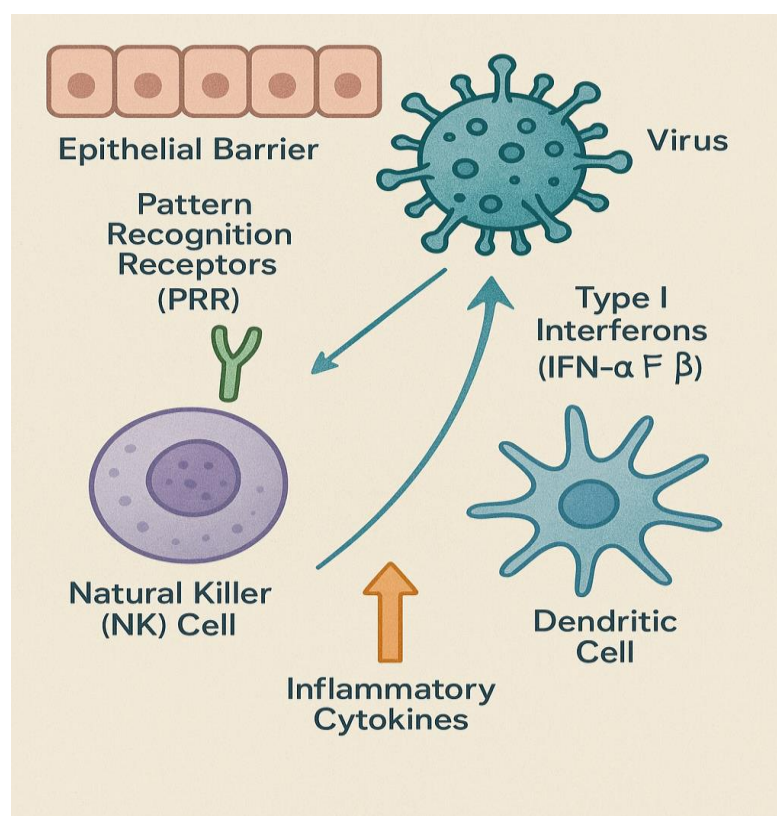
## Module PMRF-ISSS039/II/2025 Anti-viral Immunity

### Name of the PMRF student

Sumandeep Kaur

### Required background of the students taught

1. Molecular Biology
2. Basic Virology
3. Basic Genetics



### Details of the content of the module

1. Class 1 and 2: Basic of Virology and Immunology, with discussion on classes of viruses and pathology caused by viruses
2. Class 3 and 4: Innate Immunity related to different classes of viruses and molecular pattern recognition of viruses
3. Class 5 and 6: Pathology of viruses (Flavivirus, Coronavirus, Influenza family majorly) with disease progression and discussion on severity of diseases
4. Class 7 and 8: Discussion on Antivirals, Vaccines and Drug discovery related to viral diseases.
5. Paper discussion 1: Review papers and research papers on classic diseases caused by Flaviviruses, Coronaviruses.
6. Paper discussion 2: Discussion on broad antivirals and Vaccines used in SARS CoV2 pandemic

### Schedule of the module

- a. 2 Classes to be conducted every week, Tuesday and Wednesday from 2-4PM.
- b. Papers discussion, every second Sunday 2 hours 11AM-1PM (12th April and 26th April, 2025)
- c. Start date 8 April, 2025 to 30th April, 2025.

Total hours: 20-21

Meeting link : Will be shared later

Contact email ID: [issf.forum@gmail.com](mailto:issf.forum@gmail.com)

Registration link:  
[https://docs.google.com/forms/d/e/1FAIpQLScx1mwGqV7YBGedslxb2z\\_HdgjC84TetTNS9zlaTxwxi1hbPg/viewform?usp=dialog](https://docs.google.com/forms/d/e/1FAIpQLScx1mwGqV7YBGedslxb2z_HdgjC84TetTNS9zlaTxwxi1hbPg/viewform?usp=dialog)