



## Module PMRF-ISSS0048/2023

# Advances in Oncology Research

### Name of the PMRF student

Nishkarsh Jain

### Required background of the students taught

Biological Sciences

### Details of the content of the module

This course will give an advanced understanding of recent developments in oncology research and therapeutics. Along with the lectures, the module will also include discussions to improve the basic understanding of the audience about cancer.

#### Course Outline:

**Week 1:** Introduction to Oncology

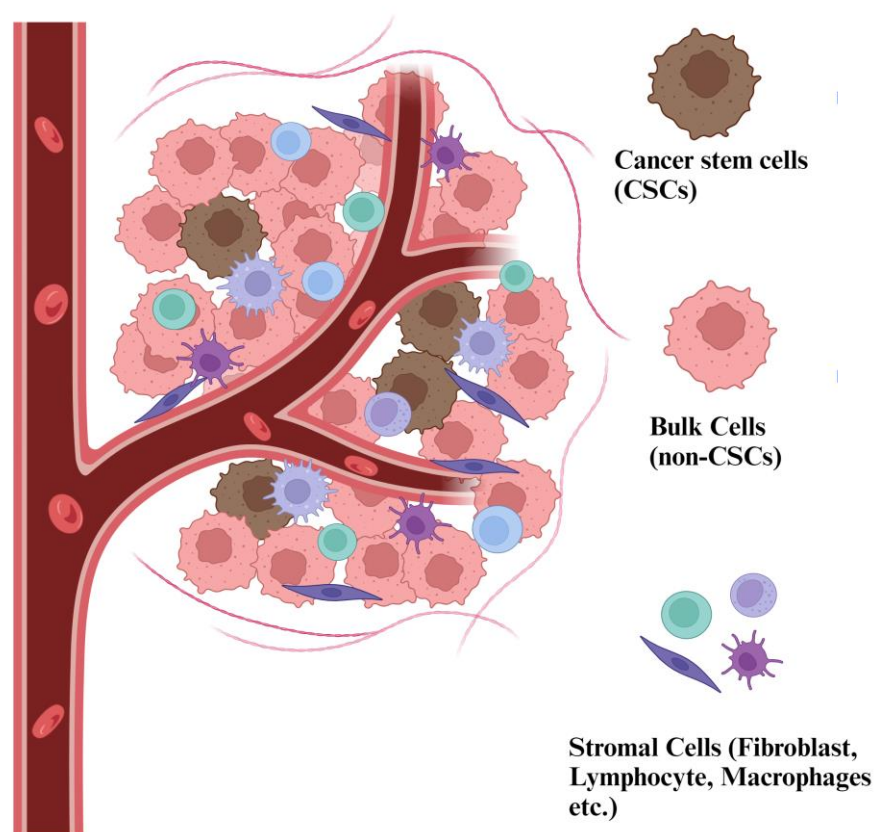
**Week 2:** Advanced Cell Culture Techniques

**Week 3:** Live Cell Imaging and Analysis

**Week 4:** Next Generation Sequencing

**Week 5:** Multiparametric Flow Cytometry

**Week 6:** Artificial Intelligence in Cancer



### Schedule of the module

Start Date: 14<sup>th</sup> November 2023

End Date 24<sup>th</sup> December 2023

Session: 4 hours/week

Day and time of course: Tuesday, Thursday, Saturday,  
and Sunday (1800-1900 hrs)

Total Duration: 24 hours

Meeting link: Will be shared later

[Link](#)

Contact email ID: [nishkarshj@iisc.ac.in](mailto:nishkarshj@iisc.ac.in)

Registration link:

<https://forms.gle/CGrrLRLBKKrjPbNH9>