



Module PMRF-ISSS006/2024

Fundamentals of Cell Death

Name of the PMRF student

Sanchita Mishra

Required background of the students taught

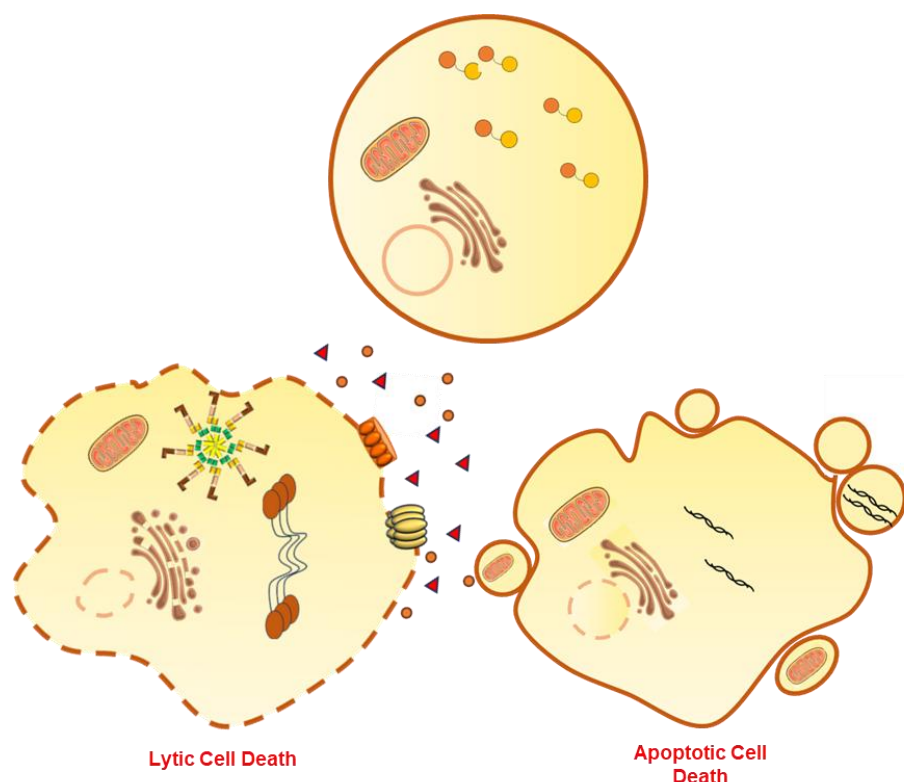
Undergraduate or Postgraduate students in any branch of biology. Having a basic knowledge of cell biology would be helpful but not a mandatory pre-requisite.

Details of the content of the module

Cell death is an important physiological process, serving various roles from embryonic development and organ maintenance to aging and immune response coordination. Research in the past decade has significantly enhanced our understanding of the mechanisms governing cell death process and its effect on immunity and homeostasis. I will be discussing the following topics extensively through lectures in this course :

- Different modalities of programmed cell death, primarily Apoptosis, Pyroptosis, and Necroptosis.
- Cell death signaling mechanisms and how the balance between different cell fates is maintained.
- Techniques to understand cell death.
- Role of cell death in cancers, infection biology, and neurological diseases.

Additional sessions for discussions are always encouraged!



Schedule of the module

Course Start date: 9 February 2024

Course End date: 7 April 2024

Lecture days: Friday & Saturday (Depending on the convenience, recorded lectures will be uploaded or live lectures will be delivered on the scheduled days)

Time: 8 PM – 10 PM

Meeting link : Will be shared later

Contact email ID: issforum@gmail.com

Registration link:

<https://forms.gle/EeiLgwK2ofY9HWT7A>