



Module **PMRF-ISSS111/II/2024**

## Advances in Mitochondrial Biology (Part-2)

### Name of the PMRF student

**AAKANSHA**

### Required background of the students taught

- Undergraduate or Postgraduate students in any branch of biology.
- Others (like research fellow or industry expert) who are interested.

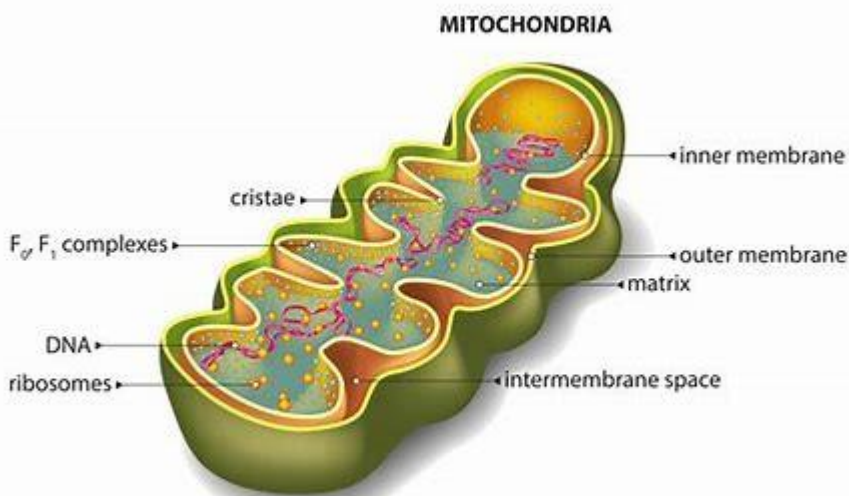
**Note:** Having a basic knowledge of cell biology and biochemistry would be helpful but not a mandatory pre-requisite.

### Details of the content of the module

This course will cover introductory concepts about mitochondria. The highlights of the field and hot topics of related research will also be discussed. This course will also help in understanding the role of mitochondria in various therapeutic application.

### Advances in Mitochondrial Biology: PART-2

- Kinetics and mechanism of mammalian mitochondrial ribosome assembly
- Mitochondrial mRNA localization is governed by translation kinetics and spatial transport
- Mitochondrial import kinetics
- Techniques to study mitochondrial import
- Recent Advances in Chemical Biology of Mitochondria Targeting
- Mitochondrial biology in reproduction
- Current perspective of mitochondrial biology in neurodegenerative disease



### Schedule of the module

Start Date: 29JULY 2024 (Tentative)

End Date: 30 November (Tentative)

Number of Hours: 36hours:

Timings: Will be informed later

PPT and recorded lectures will be uploaded within 2-3 day of the lecture.

Meeting link : Will be shared later

[Link](#)

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

Registration link:

[https://docs.google.com/forms/d/e/1FAIpQLSdRPUOyY6qXjHfIW2cFLeHHTtxnkTpKpl2kMJF5IcpW354Cww/viewform?usp=pp\\_url](https://docs.google.com/forms/d/e/1FAIpQLSdRPUOyY6qXjHfIW2cFLeHHTtxnkTpKpl2kMJF5IcpW354Cww/viewform?usp=pp_url)