



Module **PMRF-ISSS075/2023**

An Introduction to the Mitochondrial Biology (Part-1)

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.

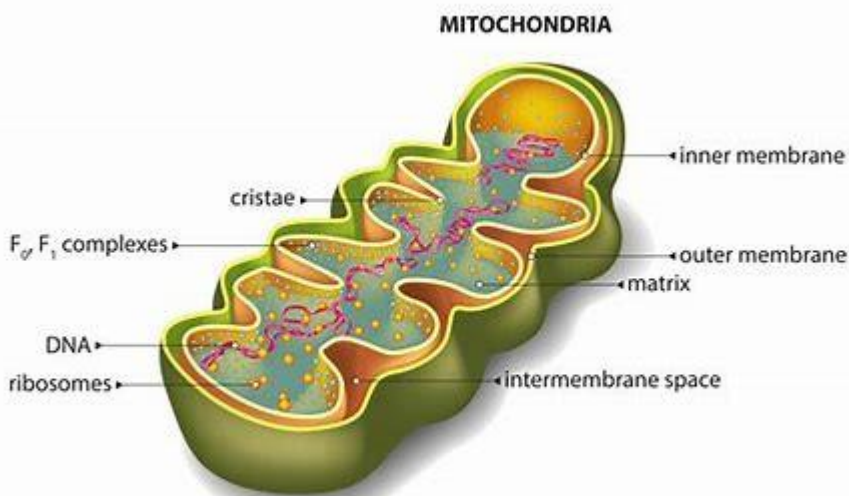
Note: Having a basic knowledge of cell biology and biochemistry would be helpful but not a mandatory pre-requisite.

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.

An Introduction to Mitochondrial Biology:

- Mitochondria: Endosymbiotic energy generator.
- Organellar protein translocation.
- Mitochondrial protein translocation machinery.
- Electron transport chain complex: ATP synthesis.
- Fe-S cluster biogenesis.
- Mitochondria, cancer & apoptosis: A close connection.
- Techniques to study mitochondria.



Schedule of the module

Start Date: 9MARCH 2024 (TENTATIVE)

End Date: 9 April (Tentative)

Timings: Monday-Saturday 7-9a.m live lectures & Sunday (8-10p.m. additional discussion sessions as required on mutual convenience)

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

Registration link:



https://docs.google.com/forms/d/e/1FAIpQLScr_ZcOulWh_gtO5uXMygzcsTZijXIL-shLpM0WCXC4GSO63w/viewform?usp=pp_url