



Module PMRF-ISSS106/2025

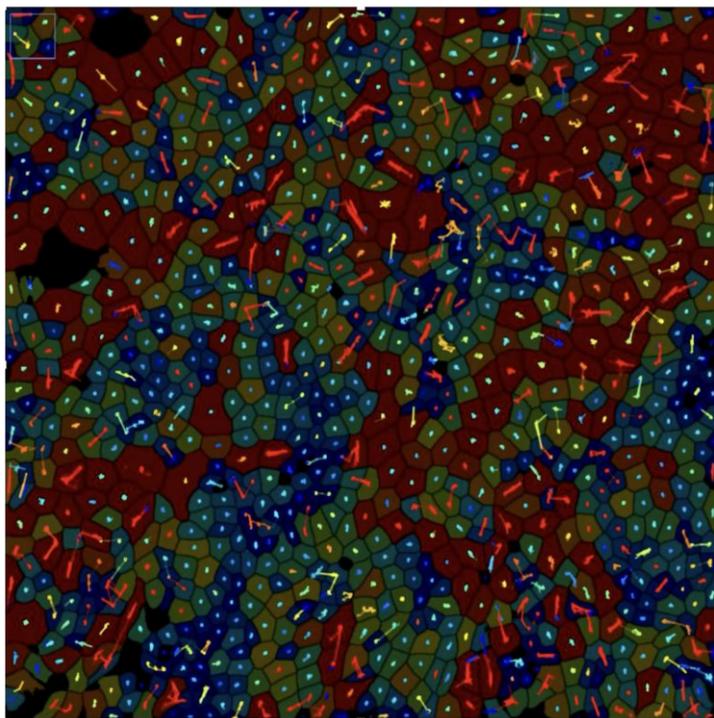
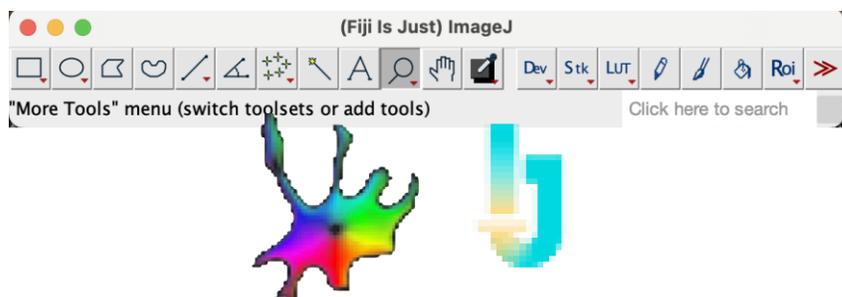
Image analysis for biologists

Name of the PMRF student

Sindhu M

Required background of the students taught

Biology preferably.
Microscopy in any background.
No prior experience needed.



Schedule of the module

Lectures and tutorials will be held every Saturday from 10 am to 1 pm as per the schedule. In case of unforeseen circumstances, recorded lecture video will be uploaded.

Course start date- 15/11/25

Course end date: 3/1/26 (Tentative)

Details of the content of the module

Basics of FIJI:

Multi-channel images- Lecture 1

3D images- Lecture 1

Time-lapse images- Lecture 1

Images and videos for scientific publications and presentations- Lecture 2

Macros and Plugins- Lecture 2

Tutorial – 1

Cell segmentation:

Automated segmentation and extracting cellular features- Cellpose- 2D – Lecture 3

3D segmentation- Lecture 4

Tutorial- 2

Cell Tracking:

Cell tracking- Lecture 5

Tutorial and doubts session - 3

Meeting link : Will be shared later

[Link](#)

Contact email ID: issf.forum@gmail.com

Registration link:

<https://forms.gle/AYo3m5F5doLtF6xG8>