



Module PMRF-ISSS081/2023

Cell Mechanics

Name of the PMRF student

S Manasa Veena

Required background of the students taught

Basic knowledge of biology

Details of the content of the module

1. Introduction to cell mechanics, Cell and ECM mechanical properties,
2. Cell-cell interactions, Cell- ECM interactions, Cell migration, Mechanotransduction,
3. Stem cell and Cancer mechanics,
(lectures, problem-solving sessions, discussions, etc.).

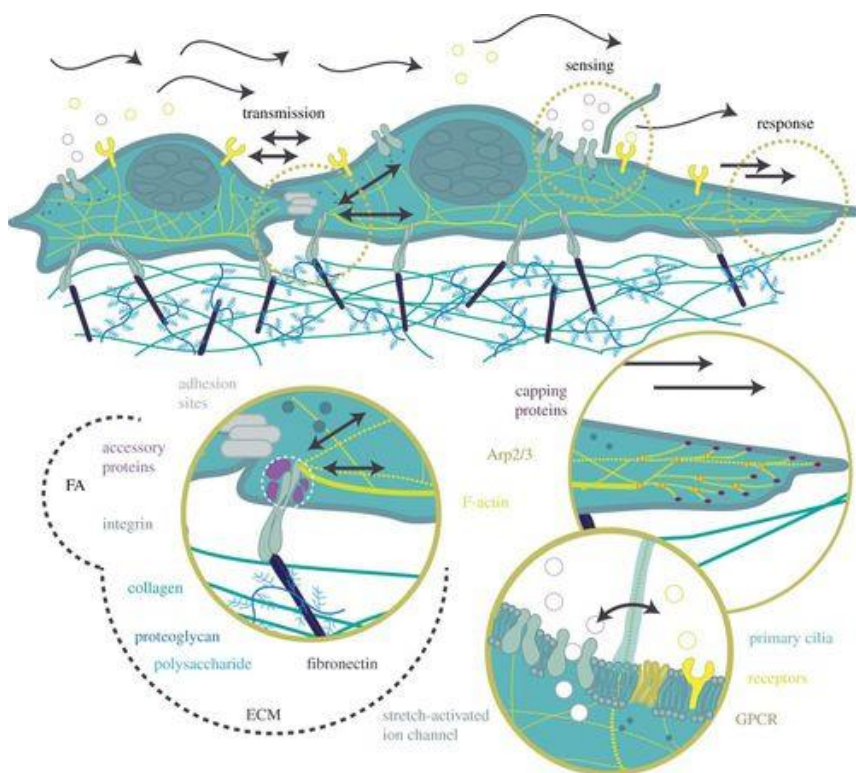


Image credits: Haase, K., & Pelling, A. E., *Journal of The Royal Society Interface*, (2015).

Schedule of the module

Course start date: 15/02/2024

Course end date: 28/07/2024 tentatively

Time: Wed – 5:00 – 5:30 pm (Live, -Discussion, Doubt solving/Quiz), Sat & Sun – 5:00 – 5:45 pm (lecture will be uploaded)

Meeting link : Will be shared later

Contact email ID: veenamanasa@iisc.ac.in

Registration link:

<https://forms.gle/odetuKo2gGHCmiiR7>