

Schedule for GIAN Course on “Physics of Living Systems” by Prof. Daniel Riveline at the School of Physical Sciences, Jawaharlal Nehru University, during 3-7 March, 2025

Venue: Seminar Room, SPS, JNU

Date	Time	Lecture
3rd March	10:00 to 10:30	Registration
	10:30 to 11:00	Tea
Lecture	11:00 to 1:00	Life at Low Reynolds Number and orders of magnitude.
Tutorial/Experiment 1	2:30 to 4:30	Brownian motion visualised and quantified. Comparisons with directed motion.
	4:30 to 5:00	Tea
4rd March	10:30 to 11:00	Tea
Lecture	11:00 to 1:00	Cell Dynamics and self-organisation.
Tutorial/Experiment 2	2:30 to 4:30	Cell motion visualised and quantified with microscopy and compared with a model for cell motility.
	4:30 to 5:00	Tea
5th March	10:30 to 11:00	Tea
Lecture	11:00 to 1:00	Systems Biology.
Tutorial/Experiment 3	2:30 to 4:30	Numerical simulations for biological networks.
	4:30 to 5:00	Tea
6th March	10:30 to 11:00	Tea
Lecture	11:00 to 1:00	Physics of morphogenesis.
Tutorial/Experiment 4	2:30 to 4:30	Extracting measurements in a developmental model system and comparing to a theoretical model.
	4:30 to 5:00	Tea
7th March	9:30 to 10:00	Tea
Lecture	10:00 to 12:00	Classics in Cell Physics.