

Meghadeepa Manojit Sarkar

Graduate student

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Educational qualifications

- 2018-present Graduate student, Indian Institute of Science, Education and Research, Pune
- 2015-2018 B.Sc. (Microbiology), Bhavans College, Mumbai

Achievements

- 2020 Academic excellence award for securing a CGPA of 9.6 out of 10
- 2019 CSIR JRF fellowship (Rank: 75)
- 2019 IISER Pune-IDEAS scholarship for securing a CGPA of 9.6 out of 10
- 2018 First rank, BSc (Microbiology), Mumbai University
- 2018 Second rank, 17th State Level Microbiolympiad

Academic experience

Explored and studied a diverse range of courses and excelled at them.

Taken courses in Biochemistry, Cell and Molecular Biology, Genetics, Animal Physiology, Immunology, Developmental Biology, Plant Biology, Ecology and Epigenetics.

Teaching Experience

Teaching Assistantship in Systems Biology, Animal Behaviour and Literature review

Research experience

- 2019-present Working on membrane and protein biochemistry (Supervisor: Dr. Thomas Pucadyil)
- 2019 (summer) Worked on protein biochemistry (Supervisor: Dr. Jayant Udgaonkar)
- 2018 (fall) Worked on cancer and molecular biology (Supervisor: Dr. Mayurika Lahiri)
- 2016 (fall) Interned at Bhavans Research Centre (BRC)

Research interest

I am interested in understanding the molecular mechanisms underlying vesicular transport in cells. In particular, I want to understand how membranes are actively remodeled by various protein(s) or protein complexes inside the cell.