

Arunima Vadlamannati

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EDUCATION

Indian Institute of Science Education and Research

Integrated Bachelor and Masters' of Science in Biological Sciences

CGPA: 8.45/10.00

Relevant Coursework: Neurobiology, Developmental Biology, Biochemistry, Cell Biology, Biophysics, Molecular Biology, Advanced Structural Biology, Psychology

Kolkata, India
Expected May 2021

PROJECTS & RESEARCH EXPERIENCE

Masters' Thesis: Cellular architecture and cytoskeletal gene expression in the progression of ovarian cancer metastasis

Senior Prof. Jayasri Das Sarma, Indian Institute of Science Education and Research, Kolkata
2020.02.01 - Present

Studying the difference in cytoskeletal architecture and migration rates of two ovarian cancer cell lines, ID8 and ID8-VEGF

Bacterial Analysis in Musi River

Senior Prof. Suman Kapur, Bits Pilani Hyderabad Campus

2019.05.20 - 2019.07.20

Studied the various bacterial populations present in the Musi River at various regions to study the effect of pharmaceutical pollution in the river on these bacterial populations

Protein Isolation and Purification

Asst Prof. Arnab Gupta, Indian Institute of Science Education and Research, Kolkata

2018.05.25 - 2018.11.25

Isolated and purified human copper transporter (h-ATP7B) **protein** to use for testing its chelation properties to an in-house drug against cancer.

AWARDS & SCHOLARSHIPS

KVPY

2016-Present

WORK & LEADERSHIP EXPERIENCE

Basketball Club, *Indian Institute of Science Education and Research, Kolkata*

Captain

Convener

2018-Present

April 2017 – April 2018

SKILLS

Languages: Full Working Proficiency in **English, Hindi**.

Programming Languages and Packages: **Python**, C, R (basic), Origin and Excel.

Software: **Adobe Photoshop**, ImageJ.