

# Samiha Mukherjee



## WORK EXPERIENCE

### Project Intern Amity University

01/2023 - 03/2023

Kolkata

Project name: Investigating the localisation and trafficking behaviour of ATP7B harbouring WD mutation S1426I in the undifferentiated and differentiated C-6 cells

#### Achievements/Tasks

- Cultured and maintained the C6 cells, Various techniques like Plasmid isolation, transfection and agarose gel electrophoresis including the imaging under confocal microscope have been done.
- Worked under the guidance of Dr. Ashima Bhattacharjee, Amity University, Kolkata

### Laboratory Intern Apollo hospitals

12/2022 - 11/2022

Kolkata

Project Name: Serological and microbial techniques to identify antigen-antibody interactions

#### Achievements/Tasks

- Learnt all the techniques like RTPCR, CBNAAT, Elisa, rapid serology tests and confirmed the antigen antibody interaction of the given patients' samples
- Worked under the guidance of Dr . Ujjwayini Roy

### Undergraduate Project intern Sister Nivedita University

Project Name: Assessment of Copper toxicity in animal cells : In Vitro and In Vivo approach

#### Achievements/Tasks

- Worked on a research paper and published it in Journal of Nanoparticle Research (NANO)
- Under the guidance of Dr. Milon Banik , Sister Nivedita University

## ACHIEVEMENTS

Participated in IISF (2018 - 2021)

Participated and received certificates in various science olympiads (2012 - 2016)

Participated in various online workshops regarding COVID -19 and Non-Communicable diseases (June 2020)

## EDUCATION

### M.Sc. Biotechnology Amity University, Kolkata

2021 - 2023

### B.Sc Biotechnology Sister Nivedita University, Kolkata

2018 - 2021

### Class 12th - CBSE Ashok Hall higher secondary school, kolkata

2017 - 2018

### Class 10th - ICSE St. Teresa's school, Bolpur

2015 - 2016

## SKILLS

Agarose gel electrophoresis

SDS-PAGE

Western blotting

Transfection

Cell culture and maintenance

Tissue culture

Plasmid isolation

Fluorescence microscopy

## TECHNICAL SKILLS

MS Office

Basic Bioinformatics

Scientific Writing

## LANGUAGES

English

Full Professional Proficiency

Bengali

Full Professional Proficiency

Hindi

Professional Working Proficiency

German

Limited Working Proficiency

## INTERESTS

Reading

Music

Dancing

Volunteering