


Parth Shah

A graduate student from MSLS, MAHE

 Gachibowli, My home Bhooja

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I have completed my bachelor's in biotechnology from Manipal School of Life Sciences, Manipal Academy of higher education, completing my final year Bachelor's dissertation projection at the National Institute of mental health and neuroscience (NIMHANS), India

Skills

Worked with various instruments and machines for experimental purposes

- Manipal University: UV spectroscopy, Raman spectroscopy, colorimetry, PCR, western-blotting, DNA extraction, RNA extraction by TRIAZOL method, plasmid extraction, gel electrophoresis, etc
- NIMHANS: sectioning of specimens using vibratome, stereotaxic surgery of rat (observation), stereo-investigator, Neurolucida, etc

Staining techniques:

- NIMHANS: Cresyl-violet staining, Golgi staining, Haematoxylin, and eosin staining, Luxel fast blue staining
- Manipal University: glucose, protein, and lipid detection test, apoptosis detection kits(observation at KMC neurophysiology labs), toluidine staining, Ethidium bromide staining, hematoxylin, and eosin staining, gel electrophoresis, Nanomaterial preparation (nanoparticles, nanorods, and nanoplates), etc
- A member of Society of Neuro-oncology 2022 (SNO: Student membership)

Experience

- Worked at Agrobium technologies as a Scientific research writing internship-Date: July 2020
- Completed observership in KMC cellular & molecular Neuroscience lab and learned about various epileptic models (kainic acid models), apoptosis detection kits, and developmental biology (lipid profiles: introduction) for one month (October-November 2021)
- Worked for Indian academy of Sciences with Inter-University for Research and super specialty hospital under Professor K.P Mohan Kumar sir for “effects of COVID-19 on brain anatomy and symptoms related to it” -a statistics-based research

- Attempted an experimental histological procedure (self-designed) involving Golgi and CV staining procedures at NIMHANS, Neurophysiology labs
- Worked currently at NIMHANS for bachelor's dissertation: developmental biology of the prefrontal cortex in rats, (certificate yet to arrive from host institute)
- Participated in bio quiz 2019 @Bengalure tech summit 2019
- Attended International symposium conference on Genomic instability from bench to bedside (MAHE-Erasmus MC center on Genomic instability)
- Observed and conducted anatomical studies on human Brain specimens preserved in formalin solution at MMMC under Dr. Bincy M George
- Have also read books about Neuroanatomy (Snell's Neuroanatomy, 8th edition) for deeper insights into anatomical aspects

Education

1) BSc Biotechnology, Manipal school of life sciences, MAHE

Graduation: June 2022

Current GPA: 8.22/10, CGPS:8.5/10

2) Grade 12th (high school), DPS Hyderabad, India): Central Board of secondary Education (CBSE), India (central board)

Subjects

S.no	Subject	Theory	Practical	Total
1)	Biology	65/70	30/30	95/100
2)	Chemistry	60/70	30/30	90/100
3)	Physics	65/70	30/30	95/100