



मुंवि - पुरुवि मौलिक विज्ञान प्रकर्ष केंद्र  
UM-DAE Centre for Excellence in Basic Sciences  
Registered under the Society Registration Act, 1860

Mumbai

27.06.2019

Internship Report (May 2019)

This is to attest that Ms. Alisha Shah was an intern at the Experimental Cancer Therapeutics and Chemical Biology Lab, School of Biological Sciences, UM-DAE Centre for Excellence in Basic Sciences, Mumbai for a month (May 2019). During the internship, she has observed and learnt various experimental techniques and assays performed in the laboratory. The procedures, assays and techniques that she has learned are as follows:

1. Preparation of different buffers: Transfer Buffer for PAGE, Tris Buffer Saline
2. Operation of flow cytometer for cell cycle and cell death analysis
3. Animal tissue culture and cell proliferation assays such as MTT assay.
4. Microtubule polymer mass analysis
5. Bradford's assay for protein estimation
6. SDS-PAGE for different proteins and cell lysates
7. Western blot
8. Sterilisation of Tissue Culture Lab

Ms Alisha had been regularly attending the lab and worked for approximately 150 hours (as of 30/5/2019). She has been a collegial and helpful person to other members of the lab and comprehended the techniques fairly quickly. I wish her a bright academic future.

Dr Manu Lopus,



Reader, School of Biological Sciences, and  
Principal Investigator,  
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