

TISSUE CULTURE LABORATORY

INDUCTION FOR UNDERGRADUATES 2023

A half-day workshop dedicated to the students enrolled in the Research Project course (PHC 632) was held on March 31, 2023, at the Tissue Culture (TC) Unit, Level 6, FF3 Building, Faculty of Pharmacy, UiTM Puncak Alam. The workshop, which was the TC Unit's first induction, involved nine undergraduate participants currently engaged in final-year projects within the Faculty of Pharmacy and Faculty of Allied Health Sciences, UiTM. The goal of the workshop was to familiarise participants with the fundamentals of cell culture as well as brief them on the policies and procedures of the tissue culture laboratory before they began the experiments. The workshop consisted of three sessions. The first session began with a briefing on safety and health in the laboratory by the head of the TC Unit, Dr. Mashani Mohamad. In this session, attendees were also introduced to the internet laboratory integrated site system (iLISS) for laboratory and equipment booking purposes.

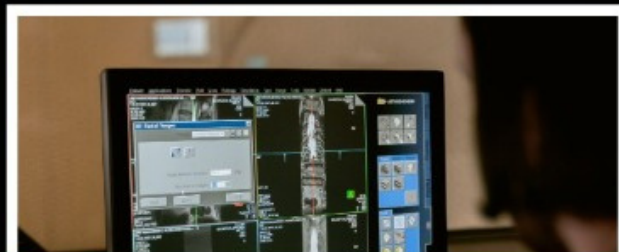


The second and final sessions were led by Dr. Zolkapli Eshak, a senior lecturer from the Faculty of Pharmacy with expertise in cell culture. He explained to the participants how cell and tissue culture functions, covering subjects such as aseptic procedures, sources of contamination, cell growth, and cell maintenance. Meanwhile, the practical session was conducted by the responsible science officer, who led a tour of the TC laboratory, followed by a demonstration on how to set up a proper workstation for cell culture. The instructor provided a step-by-step protocol that covered tasks such as preparation of cell culture media, cell viewing, counting, and splitting. The aim of these guidelines was to maintain a sterile environment in the laboratory and mitigate the risks of experiment failure that students may encounter. Overall, the hands-on workshop proved to be an enlightening experience for all participants, who had the opportunity to grow cells on their own with the support of three facilitators. The four-hour session concluded with an expression of gratitude, and it is anticipated that this induction program will be an annual event due to its far-reaching benefits for the students.

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