

FK UPNVJ Holds 2nd STEM CELL LABORATORY WEBINAR

Thursday, 02 December 2021 11:16 WIB

Original Sound: Off • Recording

You are viewing Yonika Larasati's screen

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Cell growth: colony forming assay

> Cancer Lett. 2010 May 1;449-45: 55. doi: 10.1016/j.canlet.2010.02.016. Epub 2010 Feb 15.
Towards the first targeted therapy for triple-negative breast cancer: Repositioning of clofazimine as a chemotherapy-compatible selective Wnt pathway inhibitor
Kamal Ahmed ¹, Alexey Kovalev ², Jaber Abu ³, Alexandre Rodiere ⁴, Vladimir L. Katanev ⁵

Seed cells in a very low concentration (e.g. 50 cells in 6-wp)
↓
Treat with drugs, monitor colony formation
↓
Once colonies are visible (e.g. consist of 100 cells), stain using crystal violet and take picture

C Bar graph showing cell growth (OD) for vehicle and clofazimine treatments. The y-axis ranges from 0 to 1.0. The x-axis shows treatments: vehicle, clofazimine, and a control. The legend indicates blue bars for vehicle and red bars for clofazimine.

D Flowchart of the assay steps: Seed cells in a very low concentration (e.g. 50 cells in 6-wp) → Treat with drugs, monitor colony formation → Once colonies are visible (e.g. consist of 100 cells), stain using crystal violet and take picture.

E Microscopy image of colonies stained with crystal violet.

F Microscopy image of colonies stained with crystal violet.

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Participants 101 Chat Share Screen Record Reactions

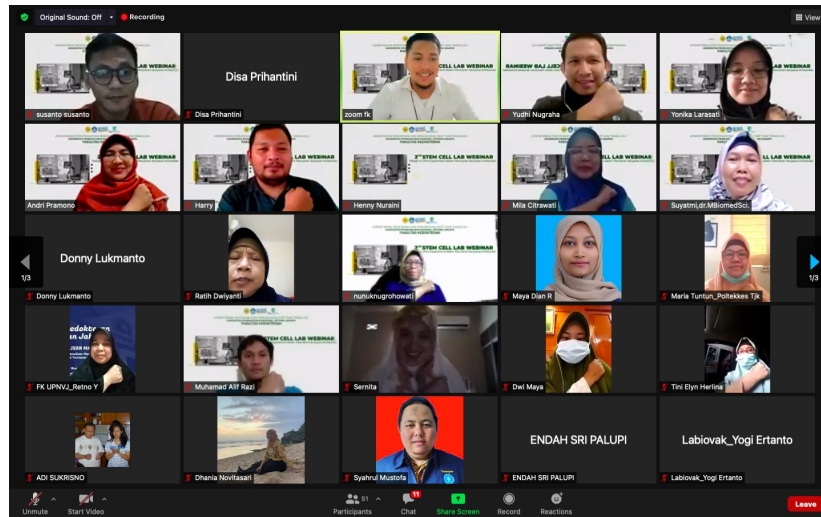
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Public RelationsUPNVJ - *The Stem Cell Laboratory* is one of the leading laboratories at the Faculty of Medicine, UPN Veterans Jakarta, which has the capacity to carry out continuous cell culture and *stem cell* research. In addition, the utilization of cell culture can also be used to search for anticancer compounds and *in vitro drug screening*. In line with that, basic knowledge is needed, especially for UPNVJ Faculty of Medicine lecturers and students who want to do research in this field, UPNVJ Faculty of Medicine held **the 2nd STEM CELL LABORATORY WEBINAR** which was attended by 150 participants consisting of UPNVJ Faculty of Medicine lecturers, academics and researchers in the fields of Health, academics, students, government and interested *stakeholders*. FK UPNVJ presented Yonika Arum Larasati (*University of Geneva, Switzerland*) as a guest speaker and Dr. Yudhi Nugraha, MBiomed (FK UPN Veteran Jakarta / *CNIO Madrid*) as moderator.

Dr. dr. Taufiq Frederik Passiak, MPd.I as the Dean of the UPNVJ FK in his remarks when opening the event explained the purpose of this webinar being held, "I hope that by holding this webinar I hope it can provide insight and knowledge for academics, government and other stakeholders in cell culture and this research . " *vitro* and for. Initiating research collaboration between domestic and foreign institutions," he said

"It is hoped that this webinar can increase the knowledge of lecturers and students, as well as general participants in designing *in vitro* experiments in the search for anticancer compounds in general," concluded the Dean of the Faculty of Medicine UPNVJ hopefully.

The activity was followed by a discussion with Yonika Arum Larasati who discussed *the stem cell laboratory* in more detail.



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