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HANDS-ON TRAINING WORKSHOP ON ADVANCES IN 3D CELL CULTURE

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Institute of Chemical Technology, Mumbai, India â?? 29 January - 1 February, 2024



The Institute of Chemical Technology, Mumbai organized a four-day long hands-on training workshop on Advances in 3D Cell Culture from 29th January 2024 to 1st February 2024. The workshop was a part of the 2nd edition of the 3D Cell Culture Workshop and Conference series that began with its digital version in 2022 organized by Dr. Prajakta Dandekar Jain, UGC Assistant Professor of the Department of Pharmaceutical Sciences and Technology at ICT. The workshop was attended by 25 participants from a diverse background ranging from Academia i.e. PhD scholars, Post-doctoral fellows, researchers, professors, and scientists from life science and biopharma backgrounds, registered start-ups, and MSMEs and industries. The participants were selected based on their responses to general questions regarding their experience in the field in the

registration form and their curriculum vitae aligning with the topic of the workshop.

The main aim of the workshop was to introduce 3D Cell Culture techniques and their advantages and applications in research and testing. The effort here was to educate and motivate participants to explore the potential of 3D Cell culture techniques in their research problems as well as to educate them on the need for alternatives to animal models in research and testing. The four days of Hands-on training workshop covered a diverse set of topics like Organ-on-chip technology taught by experts from Azar Innovations from Netherlands, 3D Bioprinting, organoid and spheroids development and high-content imaging, analysis and interpretation of 3D cell culture platforms using sophisticated instruments. The workshop was designed with an amalgamation of lectures, demonstrations, hands-on training, question and answer sessions by national and international academic and industrial experts.