

State-Of-The-Art 3D Bioprinting

Additive Fabrication of Biological Structures in Organ and Cell Scale

An introduction to 3D bioprinting

Human tissues and organs consist of various types of cells that are distributed in an organized manner.

These cells exert coordinated functions through their physical and chemical interactions.

The in vitro duplication of the intricate microenvironment of cells has been a huge challenge for conventional culturing systems since they offer limited spatial control of cellular assembly.

3D bioprinting is a groundbreaking technology that enables on-demand dispensing of cultured cells, making it possible to build tissue and organ models that more closely resemble their in vivo environments.

BIO X™



Tuesday, September 8, 2020

16:00 - 17:00

Presented by **Ryo Asada, Ph.D**

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