

의생명재료세미나 11주차

Seminar about Organ-on-a-Chips

Experience the future of biomedical research with Organ-on-a-Chip, a revolutionary technology that recapitulates human organ systems in a compact chip, offering unprecedented insights into human physiology and disease mechanisms.



Prof. NOO LI JEON

서울대학교 기계공학부

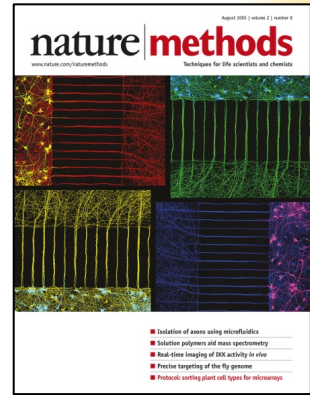
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Nature Materials (2020)

Nature Protocols (2006)

Nature Methods (2005)

Nature Biotechnology (2002)



Seminar title:

Microfluidics Devices for Neuroscience Research:

From 2D Culture PDMS Chips to 3D Culture Injection Molded High Throughput Devices

This presentation will describe the designs and working principles of microfluidic devices for neuroscience applications.

Starting with 2D culture of primary CNS neurons in microfluidic devices, we have developed new devices that enable 3D culture of multiple cell types including neurons, astrocytes and endothelial cells.

I will share the process we have used to develop custom microfluidic devices for AD and BBB research in close collaboration with our colleagues in the biology department.

2023년 11월 22일 (수) 17:00
상영바이오관 230호

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