

3D Projection Printing of Concave Hydrogel Microstructures

Tech ID: 25008 / UC Case 2014-001-0

TECHNOLOGY DESCRIPTION

University researchers have developed a 3D printing platform for generating complex concavities in soft polymeric materials that enables the generation and development of spheroids for 3D cell culture without the need for spheroid transfer. Primary applications are in the areas of research tools, cellular assays, tissue engineering and drug screening. The invention has a patent pending and is available for licensing.

RELATED MATERIALS

- [Nonlinear 3D projection printing of concave hydrogel microstructures for long-term multicellular spheroid and embryoid body culture Lab Chip, 2015, Advance Article DOI: 10.1039/C5LC00159E - 04/13/2015](#)

PATENT STATUS

Country	Type	Number	Dated	Case
United States Of America	Issued Patent	10,351,819	07/16/2019	2014-001

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OTHER INFORMATION

KEYWORDS

spheroids, 3D printing, cell culture, cellular assays

CATEGORIZED AS

- [Materials & Chemicals](#)
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