

World Congress on
Advanced Biomaterials and Tissue Engineering
October 17-18, 2018 Rome, Italy

Designer hydrogels for 3D cell culture and bioprinting

Elia Lopez-Bernardo¹, Michael Connolly¹, Laura Goldie¹, Mitch Scanlan¹ and Rein Ulijn²

¹Biogelx Ltd., UK

²Biogelx Inc., USA

Biogelx designs and supplies tunable peptide hydrogels, offering artificial tissue environments for a range of cell culture applications. These highly tunable, cell-matched biomaterials are three dimensional (3D), 99% water and have the same nanoscale matrix structure as human tissue, tuned to meet the needs of any given cell type. The ability to precisely control the mechanical and chemical properties of these hydrogels is creating new opportunities in the fields of stem cell research, 3D cell culture, lab on a chip, cell-based assays, cancer biology, tissue engineering, regenerative medicine and 3D bioprinting.

elia.lopezbernardo@biogelx.com

Notes: