Dr Stefania Di CiÃƒÂ²

PhD

School of Engineering and Materials Science
Queen Mary University of London
Mile End Road
London E1 4NS

tel: +44 (0) 20 7882 5301
email: s.dicio@qmul.ac.uk web: www.sems.qmul.ac.uk/s.dicio

2022

Design of an Integrated Microvascularized Human Skin-on-a-Chip Tissue Equivalent Model.
Jones CFE, Di Cio S, Connelly JT and Gautrot JE. *Frontiers in Bioengineering and Biotechnology vol. 10,.Frontiers Media.*

Multi-Scale Analysis of the Composition, Structure, and Function of Decellularized Extracellular Matrix for Human Skin and Wound Healing Models.
Sarmin AM, Moussaid NE, Suntornnond R, Tyler EJ, Kim Y-H, Di Cio S, Megone WV, Pearce O, Gautrot JE, Dawson J and Connelly JT. *Biomolecules vol. 12, (6).Mdpi.*

2020

Photoconfigurable, Cell-Remodelable Disulfide Cross-linked Hyaluronic Acid Hydrogels.
Wu L, Di Cio S, Azevedo HS and Gautrot JE. *Biomacromolecules.American Chemical Society.*

2019

Contractile myosin rings and cofilin-mediated actin disassembly orchestrate ECM nanotopography sensing.
Di Cio S, Iskratsch T, Connelly JT and Gautrot JE. *Biomaterials vol. 232,.Elsevier.*

2018

Stem Cell Expansion and Fate Decision on Liquid Substrates Are Regulated by Self-Assembled Nanosheets.
Kong D, Peng L, Di Cio S, Novak P and Gautrot JE. *Acs Nano vol. 12, (9) 9206-9213.*

Surface-Initiated Poly(oligo(2-alkyl-2-oxazoline)methacrylate) Brushes.
Tang P, di Cio S, Wang W and E Gautrot J. *Langmuir vol. 34, (34) 10019-10027.*

Protein Nanosheet Mechanics Controls Cell Adhesion and Expansion on Low-Viscosity Liquids.
Kong D, Megone W, Nguyen KDQ, Di Cio S, Ramstedt M and Gautrot JE. *Nano Lett.*

Biofunctionalised Patterned Polymer Brushes via Thiol-Ene Coupling for the Control of Cell Adhesion and the Formation of Cell Arrays.
Colak B, Di Cio S and Gautrot JE. *Biomacromolecules.*

2017

Differential integrin expression regulates cell sensing of the matrix nanoscale geometry.
Di Cio S, Bøggild TML, Connelly J, Sutherland DS and Gautrot JE. *Acta Biomaterialia vol. 50, 280-292.*

2016

Cell sensing of physical properties at the nanoscale: Mechanisms and control of cell adhesion and phenotype.
Di Cio S and Gautrot JE. *Acta Biomaterialia vol. 30, 26-48.*

2015

Cell sensing of physical properties at the nanoscale: Mechanisms and control of cell adhesion and phenotype.
Di Cio S and Gautrot JE. *Acta Biomaterialia vol. 30, 26-48.Elsevier.*