

International Journal of Bioprinting

Online ISSN: 2424-8002

Print ISSN: 2424-7723

Bioprinting for Tissue Engineering and Modeling

IF:8.4



AIMS & SCOPE

Advanced bioprinting, complemented by biomaterials and cell/stem cell technology, holds significant promise in crafting highly adaptable tissue analogues to address critical challenges in tissue engineering and disease modeling. This special issue aims to compile original and review articles of superior quality, showcasing cutting-edge engineering technologies, artificial constructs, and devices for a wide range of applications in regenerative medicine, disease modeling, drug screening, and exploration of fundamental inquiries in the field of biomedical engineering. Topics span 3D bioprinting, specialized biomaterials and biopinks for bioprinting, design and fabrication of tissue scaffolds for regenerative medicine, devices and bioreactors for disease modeling and drug screening, as well as engineering approaches for bioprinted construct imaging, assessment, and quantification.

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Guest Editors

Liqun Ning

l.ning@csuohio.edu
Department of Mechanical Engineering, Cleveland State University, Cleveland, OH, USA



Daniel Chen

xbc719@mail.usask.ca
Department of Mechanical Engineering, Division of Biomedical Engineering, University of Saskatchewan, Saskatoon, SK, Canada

Editorial Office

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