Special Issue

Advanced Platforms for Stem Cells Applications

Message from the Guest Editors

The current Special Issue considers the use of advanced bioengineered in vitro models, such as microfluidics, organ-on-a-chip (OoCs), scaffolds, bioprinting, and organoids in stem cell research. The integration of MSCs into novel in vitro platforms may contribute enormously to clinical and fundamental research. The integration of MSCs into novel in vitro technologies, such as microfluidics/OoCs, scaffolds, bioprinting, and organoids, can reproduce highly precise and in-vivo-relevant model systems for unlimited research applications, including fundamental studies, drug delivery, and disease models. We invite authors to contribute with original research articles, reviews, and opinion letters focused on the use of novel technologies, such as microfluidics, organ-on-a-chip (OoCs), scaffolds, bioprinting, and organoids for stem cell applications.

Guest Editors

Dr. Guya Diletta Marconi
Dr. Francesca Diomede
Dr. Jacopo Pizzicannella

Deadline for manuscript submissions

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Materials (ISSN 1996-1944) was launched in 2008. The journal covers twenty-five comprehensive topics: biomaterials, energy materials, advanced composites, advanced materials characterization, porous materials, manufacturing processes and systems, advanced nanomaterials and nanotechnology, smart materials, thin films and interfaces, catalytic materials, carbon materials, materials chemistry, materials physics, optics and photonics, corrosion, construction and building materials, materials simulation and design, electronic materials, advanced and functional ceramics and glasses, metals and alloys, soft matter, polymeric materials, quantum materials, mechanics of materials, green materials, general. *Materials* provides a unique opportunity to contribute high quality articles and to take advantage of its large readership.

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