Special Issue

Stem Cell Bioprocessing

Message from the Guest Editors

Over the last couple of years, with the development of innovative technologies and an increased drive for sustainability, stem cells-based applications have widened to now include alternative foods and leather products alongside biotherapeutics. However, and regardless of the application, there is a need to ensure that reliable and cost-effective bioprocesses are in place for manufacturing the stem cells and their products. This interdisciplinary research is complex as it sits at the intersection between engineering and life sciences, and as such, it requires knowledge and expertise from both disciplines. This Special Issue aims to showcase the latest research in the form of original papers and comprehensive reviews on new approaches to manufacturing stem cells to tackle the existing challenges of scale-up, reproducibility and costeffectiveness, as well as innovations in bioprocessing tools for stem cell production. It is intended to be a collection of content that covers stem cell manufacturing from laboratory to industrial scale, including scale up or scale out systems, as well as representative scale down models for process development.

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Editor-in-Chief

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