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Design and Fabrication of Artificial Stem Cell Microenvironments

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Message from the Guest Editors

It is well-known that the native stem cell niche plays a key role in dictating stem cell fate and that being able to recapitulate specific features of such intricate environment can open the door to the development of more efficient biomaterials for tissue regeneration applications. Many research groups are now directing their efforts towards the design and manufacture of topographically controlled biomaterials that are able to mimic different aspects of the native stem cell niche, looking at both the niche physical/spatial distribution as well as its biochemical/ biomechanical conformation. This special issue is focused on the "Design and Fabrication of Artificial Stem Cell Niches" and it aims to capture innovative approaches to designing functional synthetic niche environments in a form of original research papers as well as comprehensive reviews













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Message from the Editor-in-Chief

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