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総説論文
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培養基材の3次元表面構造による細胞応答

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Cell Reactions to Surfaces with Multiscale Structures on Cell Culture Substrates

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The development of observing the effects of culture environment on cell bioactivity is important for deeply understanding fundamental physiological issues in various *in vitro* experiments. Meanwhile, as we know, surfaces with multiscale structures on cell culture substrates could be used to aid in induction of many cellular responses, which are related to the advancement of tissue engineering and regenerative medicine. Herein, we review morphological and functional responses of different types of cells cultured in a two-dimensional or three-dimensional culture substrates.

Keywords : Culture substrate, Cellular response, Two-dimensional culture, Three-dimensional culture, Tissue engineering