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Sommario/riassunto	Much research has focused on the basic cellular and molecular biological aspects of stem cells. Much of this research has been fueled by their potential for use in regenerative medicine applications, which has in turn spurred growing numbers of translational and clinical studies. However, more work is needed if the potential is to be realized for improvement of the lives and well-being of patients with numerous diseases and conditions. Emerging areas of regenerative medicine and translational aspects of stem cells are covered in this volume. Outstanding researchers are recruited to highlight developments and remaining challenges in both the basic research and clinical arenas.