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Cell Biology and Translational Medicine

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Kursad Turksen  
Editor

# Cell Biology and Translational Medicine, Volume 4

Stem Cells and Cell Based Strategies  
in Regeneration

 Springer

*Editor*

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## Preface

In this next volume in the Cell Biology and Translational Medicine series, we continue to explore the potential utility of stem cells in cell-based strategies in diverse areas of regenerative medicine. Although this has been an active area of basic and translational research for many years with enormous advances in our approaches and understanding, significant challenges remain. These challenges encompass such fundamental questions as which stem cell populations are most appropriate to achieve not just a regenerative response but also restoration of original tissue and organ form and function. To address the significant advances occurring in this very active field and the considerable challenges that remain to be overcome, I have recruited several experts to provide summaries of their ongoing research studies.

I remain very grateful to Peter Butler, Editorial Director, and Meran Owen-Lloyd, Senior Editor, for their ongoing support of this series that we have embarked upon.

I would also like to acknowledge and thank Sara Germans-Huisman, Assistant Editor, for her outstanding efforts in getting the volume to the production stages.

A special thank you also goes to the production crew for their work in generating the volume.

Finally, I thank the contributors not only for their support of the series but also for their efforts to capture both the advances and remaining obstacles in their areas of research. I am grateful for their efforts and trust readers will find their contributions interesting and helpful.

Ottawa, ON, Canada

Kursad Turksen

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