

Preface

Keeping in line with the current focus that personalized medicine should be the future medicine, stem cells have received tremendous attention. In recognition of the growing excitement and potential of stem cells for both the advancement of biology and future clinical applications, we felt it timely to edit this book to address and discuss the current advances and topics on stem cells, covering aspects from stem cell nano-engineering, pluripotent stem cells, and cellular reprogramming to regenerative medicine. We are pleased to provide *Advances in Stem Cell Research* as a timely and comprehensive overview.

By itself, the field of stem cells has generated tremendous interest; however, development in this area will also pave the way for a breakthrough within regenerative medicine. In parallel, scientific developments in the post-genomic era and achievements in systems biology will allow for the necessary development of personalized medicine.

We want to sincerely thank all authors who have contributed to this book for their dedicated efforts and their excellent contributions. We hope that you, as a reader, will enjoy this volume.

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