

Comprehensive Hematology and Stem Cell Research

綜合血液學與幹細胞研究

Comprehensive Hematology and Stem Cell Research takes a bench to bedside approach, covering fundamentals of the blood and immune system, blood disorders, stem cell therapy, and the exciting potential of novel stem cell research.

《綜合血液學與幹細胞研究》是第一本涵蓋幹細胞研究和治療以及目前用於治療和將來可能治療的一系列血液疾病的主要參考書。這五冊內容包括基礎知識，例如血液和免疫系統的基本機制，重點是血液疾病和血液癌症，包括淋巴瘤、白血病和骨髓瘤。其他部分涵蓋幹細胞研究和治療，從採集幹細胞到其在癌症治療中的利用。

最後，這項工作展望未來並探索可能導致未來治療的更新的幹細胞研究。本書是血液學、免疫學和腫瘤學領域的研究生、學者和研究人員的絕佳資源。



Key features/ benefits

- Compiles foundational knowledge and breakthrough research into one concise, comprehensive reference
- Takes a translational, bench-to-bedside approach to hematological disorders and stem cell therapies
- Covers clinical applications of stem cells as well as advances in the field and promising new research
- 將基礎知識與突破性研究彙編成一本簡明、全面的參考書
- 採用從實驗室到臨床的轉化方法來治療血液疾病和幹細胞療法
- 涵蓋幹細胞的臨床應用、該領域的進展以及有前景的新研究

What problem does this MRW solve?

Blood-related disorders affect millions, from chronic genetic conditions to acute diseases like cancer, impacting quality of life. Stem cell therapy shows promise in treating these conditions, but a thorough analysis of recent developments is missing. Our book addresses this gap, covering recent advances in stem cell research, therapeutic approaches for hematological disorders, and future research directions.

Meet the Editorial B

- **Editor-in-Chief:** Nima Rezaei, MD, PhD, Tehran University of Medical Sciences (TUMS), Iran; Network of Immunity in Infection, Malignancy and Autoimmunity (NIIMA); USERN, Stockholm, Sweden.
- **Plus an international and highly qualified editorial board:** Claudio Cerchione, IRST S.r.l. Italy; Andrew Gennery, Great North Children's Hospital, Newcastle upon Tyne, UK; William Cho, Queen Elisabeth Hospital, Hong Kong

Important Areas of Coverage:

- **Hematological Disorders:** including hemoglobinopathies, anemias, cytopenias, sickle cell disease, myeloproliferative disorders, coagulopathies, and hematologic malignancies.
- **Stem Cells Sources and Differentiations**
- **Stem Cells in Immunity**
- **Advances in Stem Cell Therapy and Regeneration** (also stem cells in cancer research, stem cell transplantation; stem cell-based therapies for tissue regeneration and engineering.)
- **Ethical and Regulatory Aspects**



125
Chapters



>200
Authors/
contributors



new or revised
articles

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