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| Altri autori (Persone) | HoAnthony<br>HaasR <1955-> (Rainer)<br>ChamplinRichard |
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| Nota di contenuto | Preface; Contents; Contributors; Thrombopoietin; Preclinical Biology and Potential Clinical Utility of flt3 Ligand; Stem Cell Factor; Cytokine Modulation of Hematopoietic Stem Cell Phenotype; Homing and Self-Renewal of Hematopoietic Stem Cells; Requirements for Hematopoietic Stem Cell Engraftment and Graft Engineering; Ins and Outs of Hematopoietic Stem Cells; Cell Signaling by Adhesion Receptors in Normal and Leukemic Hematopoiesis; Detection of Infrequent Cells in Blood and Bone Marrow by Flow Cytometry; Human/Sheep Hematopoietic Chimeras; Canine Models for Transplantation and Gene Therapy<br>Murine Model of In Utero TransplantationCD34 Selection Using Immunomagnetic Beads; Autologous and Allogeneic Transplantation with Blood CD34+ Cells; Using Allogeneic Graft Engineering to Improve Long-Term Survival; Detection and Significance of Minimal Residual Disease from Solid Tumor Malignancies in Stem Cell Autografts; Stem Cell Isolation with Immunomagnetic Beads and Tumor Cell |

Contamination; CD34 Cell Culture; Critical Parameters Influencing the Expansion and Differentiation of Cultured Human CD34+ Cells; Mobilization of Peripheral Blood Stem Cells from Normal Donors Innovative Approaches for Allogeneic Blood and Marrow Transplantation for Treatment of Hematological MalignanciesPeripheral Blood Stem Cells for Allogeneic Transplantation; Mechanisms of Cure of Acute Myeloid Leukemia with Allogeneic Transplantation; Late Complications of Hematopoietic Stem Cell Transplantation; Prevention of Acute Graft-Versus-Host Disease by Delayed or Selected Lymphocyte Add Back; Blood Stem Cell Versus Bone Marrow Transplantation; Autologous Peripheral Blood Stem Cell Collection and Engraftment; Stem Cell Transplantation for Hodgkin's Disease
Stem Cell Transplantation for Multiple Myeloma-10 Years LaterHigh-Dose Therapy for Primary and Metastatic Breast Cancer; Gene Therapy Using Hematopoietic Stem Cells; Gene Therapy for Human Immunodeficiency Virus Infection Using Stem Cell Transplantation; Autografting Followed by Low-Intensity Conditioning Regimen for Allografting; Development of Retroviral Vectors that Target Hematopoietic Stem Cells; Index

Sommario/riassunto

This book integrates recent advances in molecular and cell biology of hematopoietic stem cells (HSC) with developments in clinical research in stem cell-based therapy-providing an up-to-date review of novel cytokines and cellular components; animal models; cell preparation, selection, and collection; minimal residual disease and purging; expansion of progenitor cells; allogeneic and autologous transplantation; cellular gene and immunotherapy; and more. <BR>Examines key areas for treatment with HSC, including ambulatory care and monitoring, regimen-related toxicities, immunodeficiency and immun