

Contents

Part I Hematologic Malignancies

The Emerging Era of Targeted Therapy in Childhood	
Acute Lymphoblastic Leukemia	3
William L. Carroll and Rob Pieters	
Molecular Targeted Therapies in T-Cell Acute	
Lymphoblastic Leukemia	19
Alejandro Gutierrez and A. Thomas Look	
Molecularly Targeted Therapy for Infant ALL	31
Patrick A. Brown and Carolyn A. Felix	
Targeted Therapeutic Approaches for AML	59
Robert J. Arceci and Donald Small	
Acute Promyelocytic Leukaemia	83
Andrea Biondi, Anna Maria Testi, and Brenda E.S. Gibson	
Down Syndrome and Acute Myeloid Leukemia:	
An Unique Genetic Sensitivity to Chemotherapy	109
Jeffrey W. Taub, Yubin Ge, and Yaddanapudi Ravindranath	
Targeting RAS Signaling Pathways in Juvenile Myelomonocytic	
Leukemia (JMML)	123
Jennifer O'Hara Lauchle and Benjamin S. Braun	
Chronic Myeloid Leukemia: Pathophysiology and Therapeutics	139
Seth J. Corey and Jorge Cortes	
Molecularly Targeted Therapies in Pediatric	
Myelodysplastic Syndromes	155
Lia Gore	

New Therapeutic Frontiers for Childhood Non-Hodgkin Lymphoma	177
Megan S. Lim and Mitchell S. Cairo	
Molecular Targeting of Post-transplant Lymphoproliferative Disorders	215
Michael Wang and Thomas G. Gross	
Part II Solid Tumors	
Molecularly Targeted Therapies for Astrocytomas	231
Ian F. Pollack	
Targeted Therapy in Medulloblastoma in Molecularly Targeted Therapy for Childhood Cancer	267
Yoon-Jae Cho and Scott L. Pomeroy	
Future Treatments of Ependymoma	291
Richard J. Gilbertson	
Development of Targeted Therapies for Rhabdoid Tumors Based on the Functions of <i>INI1/hSNF5</i> Tumor Suppressor.....	305
Ganjam V. Kalpana and Melissa E. Smith	
Development of Targeted Therapies for Neurofibromatosis Type 1 (NF1) Related Tumors.....	331
Brigitte Widemann	
Molecular Therapy for Neuroblastoma	351
Yaël P. Mossé and John M. Maris	
Ewing's Sarcoma Family of Tumors: Molecular Targets Need Arrows	373
Jeffrey A. Toretsky and Aykut Üren	
Molecular Targeted Therapy for Wilms' Tumor	401
James I. Geller and Jeffrey S. Dome	
Molecular Therapy for Rhabdomyosarcoma	425
Raushan T. Kurmasheva, Hajime Hosoi, Ken Kikuchi, and Peter J. Houghton	
Molecularly Targeted Therapy for Osteosarcoma: Where Do We Go from Here?	459
Rosanna Ricafort and Richard Gorlick	

**Nonrhabdomyosarcoma Soft Tissue Sarcoma in Children:
Developing New Treatments Based on a Better
Understanding of Disease Biology 499**
Stephen X. Skapek

Index..... 521



<http://www.springer.com/978-0-387-69060-5>

Molecularly Targeted Therapy for Childhood Cancer

Houghton, P.J.; Arceci, R.J. (Eds.)

2010, XVIII, 536 p., Hardcover

ISBN: 978-0-387-69060-5