

Contents

VII Preface

Christiansen, H.; Christiansen, N.M. (Leipzig)

Clinical Introduction

1 Clinical Features of Progressive Neuroblastoma

Simon, T. (Cologne)

Genomic Alterations

10 DNA Copy Number Changes and Beyond

Fieuw, A. (Ghent); Schulte, J.H. (Berlin/Heidelberg); De Preter, K.; Speleman, F. (Ghent)

23 Genomic Alterations and Abnormal Cell Cycle in High-Risk Neuroblastoma

Capasso, M. (Naples); Sidarovich, V.; Quattrone, A. (Trento); Tonini, G.P. (Padua)

Targeting MYCN

35 MYCN and MicroRNAs

Althoff, K. (Essen); Schulte, J.H. (Berlin/Heidelberg)

47 MYCN and Its Posttranslational Regulation in Neuroblastoma

Otto, T. (Boston, Mass.)

Apoptosis and Angiogenesis

59 Neuroblastoma and the p53 Pathway

Chen, L.; Tweddle, D.A. (Newcastle)

81 Targeting Cell Death Pathways in Neuroblastoma

Fulda, S. (Frankfurt)

89 Neuroblastoma and Angiogenesis

Rössler, J. (Freiburg)

Molecular-Targeted Therapy Studies

107 The Role of the Anaplastic Lymphoma Kinase Receptor in Neuroblastoma

Yeung, C.M.; George, R.E. (Boston, Mass.)

121 Molecular-Targeted Therapy in Refractory or Relapsed Neuroblastoma

Corbacioglu, S. (Regensburg)

Immunology

138 Immune Regulation in Neuroblastoma

Fest, S. (Magdeburg); Starke, S. (Leipzig)

150 Approaches to Passive and Active Vaccination against Neuroblastoma

Lode, H.N. (Greifswald)

163 Role of Cell Therapy in Neuroblastoma

Bremm, M.; Brehm, C.; Huenecke, S.; Rettinger, E.; Bader, P. (Frankfurt/Main)

Minimal Residual Disease

178 Minimal Residual Disease in Neuroblastoma

Weber, A. (Giessen)

187 Author Index

188 Subject Index