

Contents

Dedication	v
Contributing Authors	ix
Foreword	xiii
Basic Science Research	xv
1 Polypeptide Growth Factors and Their Receptors <i>Anupama Gururaj and Rakesh Kumar</i>	1
2 Chemokines and Cancer <i>Thomas T. Murooka, Sarah E. Ward, and Eleanor N. Fish</i>	15
3 Interferons <i>Simrit Parmar and Leonidas Plataniias</i>	45
4 Cytokines and Lymphomas <i>Georgios V. Georgakis and Anas Younes</i>	71
5 Pro-apoptotic and Anti-apoptotic Effects of Tumor Necrosis Factor in Tumor Cells <i>Bharat B. Aggarwal and Yasunari Takada</i>	105
6 Transforming Growth Factor Beta and Breast Cancer <i>Virginia Kaklamani and Boris Pasche</i>	131
7 Transforming Growth Factor Beta in Prostate Cancer <i>Brian Zhu and Natasha Kyprianou</i>	159
8 Angiostatin <i>Jennifer A. Doll and Gerald A. Soff</i>	177
Clinical and Translational Research	207
9 Interferons in the Treatment of Solid Tumors <i>Stergios Moschos, Sai Varanasi, and John M. Kirkwood</i>	209

10. Targeting Cytokine Receptors and Pathways in the Treatment of Breast Cancer	243
<i>Ingrid A. Mayer</i>	
11. Interleukin-2 in the Treatment of Renal Cell Carcinoma and Malignant Melanoma	263
<i>John W. Eklund and Timothy M. Kuzel</i>	
12. Cytokine Targeted Treatments for Lung Cancer	289
<i>Jyoti Patel</i>	
13. Cytokines in the Treatment of Acute Leukemias	313
<i>Farhad Ravandi and Partow Kebriaei</i>	
14. Cytokines in Hematopoietic Stem Cell Transplantation	333
<i>Jayesh Mehta</i>	
15. Novel Cytokines in the Treatment of Malignancies	353
<i>Robin Parihar and William E. Carson, III</i>	
Index	375