

CONTENTS

<i>Foreword</i>	xi
<i>Dr. John E. Niederhuber</i>	
<i>Contributors</i>	xv
1. Cancer—An Overview	1
<i>Henry C. Pitot</i>	
2. Cell Growth Control and Cancer	14
<i>Mikhail V. Blagosklonny, Chiang J. Li, Arthur B. Pardee</i>	
3. Oncogenes	27
<i>Steven K. Hanks, Stephen R. Hann</i>	
4. Role of Heredity	53
<i>Alfred G. Knudson</i>	
5. Tumor Suppressor Genes	67
<i>Amanda Frank, Julia Pimkina, Maureen E. Murphy</i>	
6. Cell Surface, Cytoskeleton and Altered Signaling	77
<i>Elizabeth J. Luna</i>	
7. Cancer and Stem Cells	91
<i>Connie J. Eaves</i>	

8. The importance of the micro-environment in cancer induction and progression	100
<i>Roland Meier, Derek Radisky, Mina Bissell</i>	
9. Cancer and Aging	113
<i>Judith Campisi</i>	
10. Cancer and Telomeres	123
<i>Julien P. Duxin, Abhishek Saharia, Sheila A. Stewart</i>	
11. Loss of Genomic Stability in Cancer	139
<i>Johanna Eddy, Nancy Maizels</i>	
12. The Role of Inflammation in Cancer	151
<i>Jon Mallen-St.Clair, Dafna Bar-Sagi</i>	
13. AIDS and Cancer	165
<i>Deirdre O'Mahony, Richard F. Little, Robert Yarchoan</i>	
14. Chemical Carcinogenesis	179
<i>Miriam C. Poirier, Elizabeth K. Weisburger</i>	
15. Cancer as a Disease of Orderly Tissue Renewal	189
<i>Donald E. Ingber</i>	
16. The Biology of Cancer Metastasis	198
<i>Isaiah J. Fidler, Margaret L. Kripke</i>	
17. Tumor Resistance	211
<i>George Klein, Peter Demant</i>	
18. Acquisition of Drug Resistance	225
<i>Mehmet Burcu, Maria R. Baer</i>	
19. Apoptosis and Cancer	240
<i>Jessica Plati, Walter Malorni, Roya Khosravi-Far</i>	
20. Cancer Vaccines	255
<i>Elizabeth M. Jaffee, Michel Kafrouni</i>	
21. Immunotherapy	270
<i>Michael Boyiadzis, Kenneth Foon, Ronald B. Herberman</i>	
22. Tracing the Trajectory of Cancer Curability	281
<i>Philip Rubin</i>	
23. Zebrafish Models of Cancer	324
<i>Alyson MacInnes, Adam Amsterdam, Nancy Hopkins, Jacqueline Lees</i>	

24. MicroRNAs in the Pathogenesis of Cancer <i>Scott M. Hammond</i>	335
<i>Index</i>	347