

CONTENTS

Preface	v
Contributors	xi
PART I. ANALYSIS AND CLINICAL IMPLICATIONS OF TUMOR SUPPRESSOR GENES	
1 Animal Models for Tumor Suppressor Genes	3
<i>Jordan A. Kreidberg and Thomas A. Natoli</i>	
2 Viral Oncoproteins as Probes for Tumor Suppressor Function	29
<i>Srikumar P. Chellappan</i>	
3 Tumor Suppressors in Metastasis	49
<i>Taoufik Ouatas, Melanie T. Hartsough, and Patricia S. Steeg</i>	
4 Apoptosis: Machinery of Cell Death in Development and Cancer	79
<i>Jinyan Du and David E. Fisher</i>	
5 Drug Discovery in Oncology	103
<i>Alex Matter</i>	
PART II. TUMOR SUPPRESSOR PATHWAYS	
6 Retinoblastoma Protein in Growth Control and Differentiation	131
<i>Lilia Stepanova and J. Wade Harper</i>	
7 p53 Tumor Suppressor Protein	159
<i>Margaret Ashcroft and Karen H. Vousden</i>	
8 p16 Tumor Suppressor	183
<i>Alexander Kamb and Ken McCormack</i>	
9 DNA Mismatch Repair in Tumor Suppression	197
<i>Guo-Min Li, Scott McCulloch, and Liya Gu</i>	
10 PTEN: Regulator of Phosphoinositide 3-Kinase Signal Transduction	231
<i>Jen Jen Yeh and William R. Sellers</i>	
11 Neurofibromatosis	253
<i>André Bernards and Andrea I. McClatchey</i>	
12 Von Hippel-Lindau Disease: Clinical and Molecular Aspects ...	281
<i>Othon Iliopoulos and William G. Kaelin, Jr.</i>	
13 Wilms' Tumor: A Developmental Anomaly	307
<i>Aswin L. Menke and Nick D. Hastie</i>	
14 Fanconi Anemia Pathway and Cancer Susceptibility	351
<i>Yanan Kuang, Irene Garcia-Higuera, Eric Nisbet-Brown, Anna Savoia, and Alan D. D'Andrea</i>	
Index	375



<http://www.springer.com/978-0-89603-807-3>

Tumor Suppressor Genes in Human Cancer

Fisher, D.E. (Ed.)

2001, XII, 386 p., Hardcover

ISBN: 978-0-89603-807-3

A product of Humana Press