

CONTENTS

<i>Preface</i>	<i>iii</i>
<i>Contributors</i>	<i>xi</i>

PART I. MOLECULAR FEATURES OF THE BIOLOGY OF MELANOMA

1 Molecular Features of Melanoma Progression	3
<i>Ulrich Rodeck and Dorothea Becker</i>	
2 Immunologic Features of Progression in Melanoma	25
<i>Jürgen C. Becker and Eva-Bettina Bröcker</i>	

PART II. THE PRECURSOR LESION IN MELANOMA: PROSPECTS FOR PREVENTION

3 Common Acquired Nevi and Dysplastic Nevi as Precursor Lesions and Risk Markers of Melanoma	55
<i>John T. Seykora and David E. Elder</i>	

Contents

PART III. ADJUVANT THERAPY OF RESECTED CUTANEOUS
HIGH-RISK MELANOMA

- 4 Lymphatic Mapping and Sentinel Lymph Node Biopsy in the Care of the Patient with Melanoma** **89**
Douglas S. Reintgen and Andrea Brobeil
- 5 Molecular Approaches to Adjuvant Immunological Therapy of Melanoma with Interferon (IFN): The Role of Interferons and Other Cytokines as an Adjunct to Surgery in Intermediate- and High-Risk Melanoma** **107**
John M. Kirkwood
- 6 The Case for Melanoma Vaccines that Induce Antibodies** **139**
Philip O. Livingston
- 7 Vaccine Trials in High-Risk Melanoma: Induction of Effector T-Cell Responses to Melanoma** **159**
Walter J. Storkus, John M. Kirkwood, and Thomas Tüting
- 8 Adjuvant Chemotherapy for Malignant Melanoma** **195**
Agop Y. Bedikian and Sewa Singh Legha

PART IV. THERAPY OF ADVANCED METASTATIC MELANOMA

- 9 The Role of Cytotoxic Chemotherapeutic Agents Either Alone or in Combination with Biological Response Modifiers** **219**
Michael B. Atkins

Contents

10	Radiosurgery in the Management of Melanoma Brain Metastasis	253
	<i>John C. Flickinger, Salvador Somaza, and Douglas Kondziolka</i>	
11	PCR-Based Detection of Malignant Cells: Toward Molecular Staging?	269
	<i>Ulrich Keilholz and Martina Willhauck</i>	
	Index	305