

Preface

Advances in molecular technologies and high-throughput sequencing testing platforms have brought an impressive amount of discoveries in the field of melanoma genetics that have changed our approach in understanding the pathogenesis and treatment of this lethal disease. Knowledge of the genetic aberrations in melanoma is essential for the diagnosis and appropriate selection of patients who may benefit from personalized targeted therapeutic agents.

This book is intended to span the basic molecular, genetic, epigenetic, pathological, immunological, and clinical aspects of melanoma, focusing on the practical application of this large volume of knowledge to the management of patients. A multidisciplinary team of experts have contributed with the most updated view of the basic mechanisms and therapeutic approach of the disease, making this book a valuable source of information as well as a practical guide on the genetics of melanoma and its relevance in the clinical setting. Our intention is that this book will serve as a practical resource to pathologists, dermatologists, oncologists, and other physicians and scientists whose primary interest is melanoma.

We hope the readers of *Genetics of Melanoma* will glean a further understanding of melanoma that will translate into the delivery of the best health care to these patients.

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