METHODS IN MOLECULAR BIOLOGY

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Cancer Gene Profiling

Methods and Protocols

Second Edition

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Preface

Science is the facilitator between imagination and reality
—(Anonymous)

Since the last edition of this book, the pace of technology has accelerated. The major cancer genome projects have been finished and shown that next-generation sequencing is the winning technology for high-throughput expression profiling.

In this book we have brought together the experiences of leading scientists in the discipline of cancer gene profiling. We have included different techniques, since cancer genes can be profiled in different ways. Such different approaches are needed to understand the key stages of cancer development, as using only one technique would be insufficient. Therefore this book attempts to give an overview of the state-of-the-art methods, which will enable the reader to perform these experiments successfully. This book has been written for any student or practitioner with an interest in cancer gene profiling and can be used in any well-equipped research laboratory. It may also serve as a demonstration of the kind of analysis that is possible today and will be complementary to other textbooks in the area of biomedical research.

We would like to offer our gratitude to all the contributing authors and the staff of Humana Press—without their help this book would not have been possible. We would also like to thank our families for their love and patience.

Science is not just a profession—it should also be fun. This fun comes from the inception of an idea, which goes on to be proven through experimentation, or, as we found in a Chinese fortune cookie: "The impossible is only the untried."

We hope that you will not only be successful but also have fun using our book in your research.

Erlangen, Germany ***Robert Grützmann***
Dresden, Germany ***Christian Pilarsky***

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