

Molecular Pathology and Diagnostics of Cancer

Cancer Growth and Progression

Volume 16

Founding Editor

Hans E. Kaiser[†], D. Sc.

Series Editors

Aejaz Nasir, M.D., M.Phil., FCAP

Senior Medical Advisor;

*Molecular Oncologic Pathologist & Surgical Pathology Lead,
Diagnostic & Experimental Pathology & Tailored Therapeutics,
Eli Lilly & Company, Indianapolis, IN, USA*

Timothy J. Yeatman, M.D.

President, Gibbs Research Institute Director;

*Gibbs Cancer Center, Gibbs Research Institute and Cancer Center,
Spartanburg, SC, USA*

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Domenico Coppola
Editor

Molecular Pathology and Diagnostics of Cancer

 Springer

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Domenico Coppola
Anatomic Pathology
Moffitt Cancer Center
University of South Florida
Tampa, FL, USA

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Preface

This volume is a comprehensive update on the most common molecular tests currently available to facilitate the diagnosis of challenging pathologic lesions. This book includes recent advances in the field of diagnostic techniques including, among others, fluorescence in situ hybridization (FISH), microarray, proteomics, mutational analysis, and others. The book is structured by organ sites (brain, thyroid and parathyroid, breast, pulmonary, esophago-gastric, hepatocellular, pancreatic, gastroentero-pancreatic/neuroendocrine, prostate, kidney and bladder, male genital, gynecologic and ovarian, soft tissue, pediatric, cutaneous, and lymphoid and myeloid neoplasms). This state-of-the-science reference will provide the practicing pathologists, oncologists, cancer researchers, postgraduates and students of cancer science with the latest information to help with the diagnosis of difficult lesions. In this era where personalized medicine is becoming a reality, we also provided, for each chapter, information about prognostic molecular tests able to predict patient prognosis and/or therapy response. The broad range of topics will make this text a source of easily accessible information on a variety of tumor types for practicing pathologists whether in academic or clinical practice.

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