

# ONCOGENOMICS

## MOLECULAR APPROACHES TO CANCER

Edited by:

**Charles Brenner**, *Norris Cotton Cancer Center,  
Dartmouth Medical School*

**David Duggan**, *Translational Genomics  
Research Institute*

0-471-22592-4 • 384 pages • Cloth • January 2004

\$79.95 / £51.95 / €79.90

**Oncogenomics: Molecular Approaches to Cancer** offers the first rigorous yet broadly accessible treatment of the impact of genomics on cancer research and care. Clearly written by world-renowned scientists in the field, and edited for overall cohesion, **Oncogenomics** progresses logically from molecular profiling to model systems, cancer pharmacology, and clinical trials.

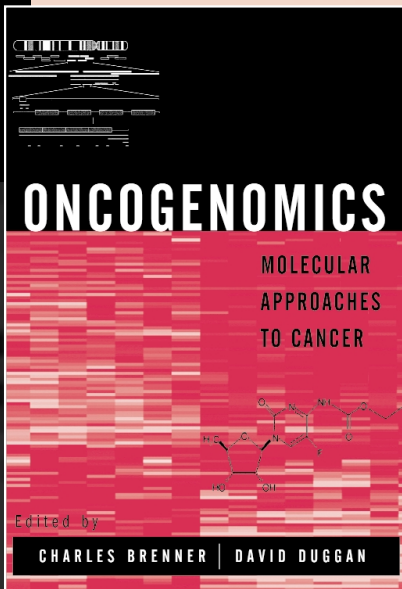
This definitive, groundbreaking resource offers:

- Contributions from leaders in the field such as David Botstein, Pat Brown, Allan Bradley, Stuart Schreiber, Mike Stratton, and NCI Director Andrew Von Eschenbach
- Cutting-edge coverage of array-based diagnostics, pharmacogenomics, and molecularly targeted therapeutics
- Discussions of ethical, legal, and social issues related to cancer genomics and clinical trials

Recognizing the multidisciplinary character of Oncogenomics, the editors include an advanced introduction to cancer genetics and cancer pharmacology that makes accessible state-of-the-art topics such as expression profiling, SNPs in cancer, tissue microarrays, and chemical and genetic validation studies. Scientists, oncologists, and other healthcare professionals, as well as advanced students, will find **Oncogenomics** an essential resource for elucidating this exciting field.

### TABLE OF CONTENTS

At the Precarious Cusp of Oncogenomics (C. Brenner) • Genome-Wide Searches for Mutations in Human Cancer (M. Stratton, et al.) • Molecular Cytogenetics: Increasing Resolution Using Array-Based CGH (A. Kallioniemi) • SNPs and Functional Polymorphisms in Cancer (P. Bonnen & D. Nelson) • Expression Profiling of Breast Cancer: From Molecular Portraits to Clinical Utility (T. Sorlie, et al.) • Classifying Hereditary Cancers and Phenocopies of Hereditary Cancers Using Expression Arrays (M. Daly, et al.) • Linking Drugs and Genes: Pharmacogenomics, Pharmacoproteomics, Bioinformatics, and the NCI-60 (J. Weinstein) • Tissue Microanalysis: Profiling Cancer Stages (M. Tangrea & M. Emmert-Buck) • Proteomics in Bladder Cancer (J. Celis, et al.) • Chemical and Genetic Methods to Validate Targets in Non-Mammalian Organisms (T. Maiolatesi & C. Brenner) • Mouse Models of Cancer (D. Thompson, et al.) • Genome-Wide Modifier Screens: How the Genetics of Cancer Penetrance May Shape the Future of Prevention and Treatment (L. Siracusa, et al.) • Protein Kinases as Targets in Cancer Therapy: Validated and Emerging Approaches (P. Nghiem, et al.) • Ras Superfamily-Directed Compounds (G. Prendergast) • Clinomics: Post-Genomic Cancer Care (D. Von Hoff, et al.) • Oncogenomics and the NCI Director's Vision for 2015



ORDERING INFORMATION

North, Central  
& South America  
Tel: 877.762.2974  
Fax: 800.597.3299  
Email: [custserv@wiley.com](mailto:custserv@wiley.com)  
Internet: [www.wiley.com](http://www.wiley.com)

Europe, Middle East,  
Africa & Asia  
Tel: +44 (0) 1243 843 294  
Fax: +44 (0) 1243 843 296  
Email: [cs-books@wiley.co.uk](mailto:cs-books@wiley.co.uk)  
Internet: [www.wileyurope.com](http://www.wileyurope.com)

Germany, Switzerland,  
& Austria  
Tel: +49 (0) 6201 606 152  
Fax: +49 (0) 6201 606 184  
Email: [service@wiley-vch.de](mailto:service@wiley-vch.de)  
Internet: [www.wiley-vch.de](http://www.wiley-vch.de)