
Contents

<i>Preface</i>	<i>v</i>
<i>Contents of Volume II</i>	<i>xi</i>
<i>Contributors</i>	<i>xiii</i>

PART I: EXPERIMENTAL APPROACHES TO STUDY CHRONIC INFLAMMATION - RELATED CARCINOGENESIS

1 Collection and Preparation of Rodent Tissue Samples for Histopathological and Molecular Studies in Carcinogenesis.	3
<i>Yelena Golubeva and Keith Rogers</i>	
2 Biomarkers of Cell Proliferation in Carcinomas: Detection of Angiogenesis and Infiltrated Leukocytes.	61
<i>Coen I.M. Baeten</i>	
3 Assessment of Local Proteolytic Milieu as a Factor in Tumor Invasiveness and Metastasis Formation: In Vitro Collagen Degradation and Invasion Assays	75
<i>Brenda L. Petrella</i>	
4 Cytokine Multiplex Analysis	85
<i>Howard A. Young</i>	
5 Approaches to Determine Expression of Inflammatory Cytokines	107
<i>Derk Amsen, Karin E. de Visser, and Terrence Town</i>	
6 Selective Immortalization of Tumor-Specific T Cells to Establish Long-Term T-Cell Lines Maintaining Primary Cell Characteristics	143
<i>Eugene V. Barsov</i>	
7 YKL-40: A Novel Marker Shared by Chronic Inflammation and Oncogenic Transformation	159
<i>Anne Roslind and Julia S. Johansen</i>	
8 Angiogenesis Links Chronic Inflammation with Cancer	185
<i>Hanako Kobayashi and P. Charles Lin</i>	
9 Inflammatory Bowel Disease: A Model of Chronic Inflammation-Induced Cancer	193
<i>Guang-Yu Yang, Sofia Taboada, and Jie Liao</i>	

PART II: ONCOGENIC POTENTIAL OF INFLAMMATION INDUCED BY VIRAL AND BACTERIAL INFECTIONS

10 Gastric Carcinogenesis and <i>Helicobacter pylori</i> Infection	237
<i>Christine Varon, Jean-François Mosnier, Philippe Lehours, Tamara Matysiak-Budnik, and Francis Mégraud</i>	
11 <i>Helicobacter</i> -Based Mouse Models of Digestive System Carcinogenesis.	267
<i>Arlin B. Rogers and JeanMarie Houghton</i>	

12	Screening for Molecular Markers of Cervical Papillomavirus Infection: Overview of Methods and Their Clinical Implications	297
	<i>Donna Dehn, Adriann Taylor, Timothy J. Fischer, Douglas P. Malinowski, and Kenneth R. Shroyer</i>	
13	Screening for Epstein–Barr Virus in Hodgkin’s Lymphoma	311
	<i>Gulfaraz Khan</i>	
14	A Hepatitis C Virus Xenograft Mouse Efficacy Model.	323
	<i>Qing Zhu and Amy J. Weiner</i>	
15	Gene Expression Profiling in Cervical Cancer: Identification of Novel Markers for Disease Diagnosis and Therapy	333
	<i>Cara M. Martin, Katharine Astbury, Lynda McEvoy, Sharon O’Toole, Orla Sheils, and John J. O’Leary</i>	
16	Detection and Genotyping Analysis of Human Papillomavirus Isolates from Liquid-Based Cervical Cytology Specimens	361
	<i>Patricia Avissar and Douglas P. Malinowski</i>	
	<i>Index</i>	371

<http://www.springer.com/978-1-934115-14-5>

Inflammation and Cancer

Methods and Protocols: Volume 1, Experimental Models
and Practical Approaches

Kozlov, S.V. (Ed.)

2009, XIV, 378 p. 75 illus., Hardcover

ISBN: 978-1-934115-14-5

A product of Humana Press