

Contents

Preface	ix
Chapter 1	
The CCN Family of Proteins: An Overview	1
<i>Bernard Perbal and Masaharu Takigawa</i>	
Chapter 2	
Roles of CCN2/CTGF in the Control of Growth and Regeneration	19
<i>Masaharu Takigawa, Takashi Nishida and Satoshi Kubota</i>	
Chapter 3	
Integrin-Mediated CCN Functions	61
<i>Lester F. Lau and Stephen C.-T. Lam</i>	
Chapter 4	
Expression and Roles of CCN2 During Odontogenesis	81
<i>Manabu Kanyama, Tsuyoshi Shimo, Changshan Wu, Hiroki Sugito, Masahiro Iwamoto, Maurizio Pacifici and Eiki Koyama</i>	
Chapter 5	
CCN Genes and the Kidney	95
<i>Bruce L. Riser, Sujatha Karoor and Darryl R. Peterson</i>	
Chapter 6	
CCN Proteins in Liver Injury and Disease	117
<i>Amy W. Rachfal and David R. Brigstock</i>	
Chapter 7	
Genetic Analysis of CCN Gene Function in Mammalian Development	135
<i>Lisa M. Dornbach and Karen M. Lyons</i>	

Chapter 8	
CCN Family in Embryonic Development (Non-Mammalian Models)	153
<i>Branko V. Latinkic</i>	
Chapter 9	
CCN3 Expression and its Role During Development	167
<i>Ken-ichi Katsube</i>	
Chapter 10	
Regulation of CCN Proteins by Alterations of the Cytoskeleton	177
<i>Brahim Chaqour and Margarete Goppelt-Struebe</i>	
Chapter 11	
Pathogenesis of Systemic Sclerosis and CCN2 (Connective Tissue Growth Factor)	197
<i>Kazuhiko Takehara</i>	
Chapter 12	
Function and Regulation of CCN5	207
<i>Mark R. Gray and John J. Castellot Jr.</i>	
Chapter 13	
CCN3: A Multifunctional Signaling Regulator	239
<i>Nathalie Planque, Anne-Marie Bleau and Bernard Perbal</i>	
Chapter 14	
CCN Proteins and Connexins: Interactions and Growth Control	259
<i>Christine Fu, Alexandra Gellhaus, Elke Winterhager and Christian C. Naus</i>	
Chapter 15	
The Role of CCN1 in Tumorigenesis and Cancer Progression	273
<i>James O'Kelly and H. Phillip Koeffler</i>	
Chapter 16	
CCN4 and CCN6 Variants in Wnt-Inducible Signaling Pathway	293
<i>Shinji Tanaka</i>	
Index	305