

Contents

Proteolytic Enzymes and Cell Signaling: Pharmacological Lessons	1
Morley D. Hollenberg, Kristina K. Hansen, Koichiro Mihara, and Rithwik Ramachandran	
Serine and Cysteine Proteases and Their Inhibitors as Antimicrobial Agents and Immune Modulators	27
Bénédicte Manoury, Ali Roghanian, and Jean-Michel Sallenave	
Kallikrein Protease Involvement in Skin Pathologies Supports a New View of the Origin of Inflamed Itchy Skin	51
Azza Eissa and Eleftherios P. Diamandis	
Proteases from Inflammatory Cells: Regulation of Inflammatory Response	73
Magali Pederzoli-Ribeil, Julie Gabillet, and Véronique Witko-Sarsat	
Matrix Metalloproteinase Inhibitors as New Anti-inflammatory Drugs	101
Vincent Lagente, Tatiana Victoni, and Elisabeth Boichot	
Dual Role for Proteases in Lung Inflammation	123
Giuseppe Lungarella, Eleonora Cavarra, Silvia Fineschi, and Monica Lucattelli	
Proteases and Fibrosis	145
Melissa Heightman, Tatiana Ort, Lawrence de Garavilla, Ken Kilgore, and Geoffrey J. Laurent	
Proteases/Antiproteases in Inflammatory Bowel Diseases	173
Jean-Paul Motta, Laurence Martin, and Nathalie Vergnolle	

Proteinase-Activated Receptors and Arthritis 217
Fiona A. Russell and Jason J. McDougall

Proteases, Coagulation, and Inflammation 243
Giuseppe Cirino and Mariarosaria Bucci

Proteases and Inflammatory Pain 253
Nicolas Cenac

Microbial Proteases: Relevance to the Inflammatory Response 275
Takahisa Imamura and Jan Potempa

Terminating Protease Receptor Signaling 291
Kathryn A. DeFea

Index 305



<http://www.springer.com/978-3-0348-0156-0>

Proteases and Their Receptors in Inflammation

Vergnolle, N.; Chignard, M. (Eds.)

2011, XIV, 310 p., Hardcover

ISBN: 978-3-0348-0156-0