

Contents

List of Contributors	VII
Preface	XI
<i>Florence Apparailly, Paul Peter Tak and Christian Jorgensen</i> Gene therapy for arthritis	1
<i>Melanie A. Ruffner, Scott E. Plevy and Anthony T. Cheung</i> Gene therapy for the treatment of inflammatory bowel disease	19
<i>Hirofumi Noguchi</i> Gene therapy for diabetes	39
<i>Stephanie G. Sumner-Jones, Deborah R. Gill and Stephen C. Hyde</i> Gene therapy for cystic fibrosis lung disease	47
<i>Roberto Furlan, Chiara Maiorino, Alberto Gatta, Francesca Ruffini and Gianvito Martino</i> Gene therapy of multiple sclerosis	65
<i>Hans H. Jung, Juliane Bremer and Michael Weller</i> Gene therapy for myositis	79
<i>Steven C. Ghivizzani and Christopher H. Evans</i> Gene therapy for osteoarthritis	91
<i>Nienke Roescher, Paul Peter Tak and John A. Chiorini</i> Gene therapy: Sjögren's syndrome	113
<i>Rizgar A. Mageed, Taher E. Taher and Ali S. Jawad</i> Disease mechanisms, genetic susceptibility and therapeutic approaches in lupus disease	127
<i>Jeroen Geurts, Wim B. van den Berg and Fons A.J. van de Loo</i> Regulated promoters	147
<i>Chengwen Li, Matthew L. Hirsch and R. Jude Samulski</i> Development of AAV vectors for the therapy of autoimmune and inflammatory diseases	161

<i>Maria C. Subang and David J. Gould</i> Delivery and application of plasmid DNA in arthritis gene therapy . . .	181
<i>Nicola Brunetti-Pierri and Philip Ng</i> Helper-dependent adenoviral vectors	193
<i>Ingo H. Tarner</i> Cells as carriers of gene therapy	209
<i>Yuti Chernajovsky and Paul D. Robbins</i> Perspectives for the future developments of gene therapy for autoimmune and inflammatory therapy	223
Index	233