
Contents

	List of Contributors	v
	Preface	ix
	List of Abbreviations	xiii
1	An Everlasting War Dance Between Retrotransposons and their Metazoan Hosts 1 David E. Symer and Jef D. Boeke	
2	Endogenous Retroviruses 35 Joachim Denner	
3	Retroviral Particles, Proteins and Genomes 71 Norbert Bannert, Uwe Fiebig and Oliver Hohn	
4	Retroviral Entry and Uncoating 107 Walther Mothes and Pradeep D. Uchil	
5	Reverse Transcription and Integration 129 Alan Engelman	
6	Transcription, Splicing and Transport of Retroviral RNA 161 Tina Lenasi, Xavier Contreras and B. Matija Peterlin	
7	Assembly and Release 187 Heinrich G. Göttlinger and Winfried Weissenhorn	
8	Transmission and Epidemiology 217 Hans Lutz, Gerhard Hunsmann and Jörg Schüpbach	
9	Pathogenesis of Oncoviral Infections 237 Finn Skou Pedersen and Annette Balle Sørensen	
10	Pathogenesis of Immunodeficiency Virus Infections 269 Guido Poli and Volker Erle	
11	Retroviral Restriction Factors 285 Jeremy Luban	

12	Molecular Vaccines and Correlates of Protection	309
	Stephen Norley and Reinhard Kurth	
13	Gammaretroviral and Lentiviral Vectors for Gene Delivery	347
	Michael D. Mühlebach, Silke Schüle, Nina Gerlach, Matthias Schweizer, Christian J. Buchholz, Christine Hohenadl and Klaus Cichutek	
14	Non-primate Mammalian and Fish Retroviruses	371
	Maribeth V. Eiden, Kathryn Radke, Joel Rovnak and Sandra L. Quackenbush	
15	Simian Exogenous Retroviruses	395
	Jonathan Luke Heeney and Ernst J. Verschoor	
16	HTLV and HIV	417
	Marvin S. Reitz, Jr and Robert C. Gallo	
	Index	445