

Contents

The Origin of Hepatitis C Virus.	1
Peter Simmonds	
Cell Culture Systems for Hepatitis C Virus	17
Eike Steinmann and Thomas Pietschmann	
Animal Models for Hepatitis C	49
Eva Billerbeck, Ype de Jong, Marcus Dorner, Cynthia de la Fuente and Alexander Ploss	
Hepatitis C Virus Entry	87
Mirjam B. Zeisel, Daniel J. Felmlee and Thomas F. Baumert	
Hepatitis C Virus Proteins: From Structure to Function	113
Darius Moradpour and François Penin	
Hepatitis C Virus RNA Translation.	143
Michael Niepmann	
Hepatitis C Virus RNA Replication.	167
Volker Lohmann	
Virion Assembly and Release.	199
Brett D. Lindenbach	
Innate Immune Responses to Hepatitis C Virus	219
John W. Schoggins and Charles M. Rice	
Adaptive Immune Responses in Hepatitis C Virus Infection	243
Christoph Neumann-Haefelin and Robert Thimme	

Liver Injury and Disease Pathogenesis in Chronic Hepatitis C 263
Daisuke Yamane, David R. McGivern, Takahiro Masaki and
Stanley M. Lemon

Hepatitis C Virus-Specific Directly Acting Antiviral Drugs 289
Leen Delang, Johan Neyts, Inge Vliegen, Sergio Abrignani,
Petra Neddermann and Raffaele De Francesco

Treatment of Chronic Hepatitis C: Current and Future. 321
Jean-Michel Pawlotsky

Index. 343