

1. Record Nr.	UNINA9910437611903321
Titolo	Hepatitis C virus : from molecular virology to antiviral therapy / / edited by Ralf Bartenschlager
Pubbl/distr/stampa	Berlin, Heidelberg, : Springer Berlin Heidelberg, : Imprint : Springer, 2013
ISBN	3-642-27340-8
Edizione	[1st ed. 2013.]
Descrizione fisica	1 online resource (346 p.)
Collana	Current topics in microbiology and immunology, , 0070-217X ; ; 369
Altri autori (Persone)	BartenschlagerRalf
Disciplina	616.3623
Soggetti	Hepatitis C virus Immunology Medical virology
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Description based upon print version of record.
Nota di contenuto	The Origin of Hepatitis C Virus -- Cell Culture Systems for Hepatitis C Virus -- Animal Models for Hepatitis C -- Hepatitis C Virus Entry -- Hepatitis C Virus Proteins: From Structure to Function -- Hepatitis C Virus RNA Translation -- Hepatitis C Virus RNA Replication -- Virion Assembly and Release -- Innate Immune Responses to Hepatitis C Virus -- Adaptive Immune Responses in Hepatitis C Virus Infection -- Liver Injury and Disease Pathogenesis in Chronic Hepatitis C -- Hepatitis C Virus-Specific Directly Acting Antiviral Drugs -- Treatment of Chronic Hepatitis C: Current and Future.
Sommario/riassunto	Hepatitis C virus (HCV), a major causative agent of chronic liver disease, is spread throughout the world and around 170 million people are persistently infected. In this volume, world-leading experts in the field of HCV research have compiled the most recent scientific advances to provide a comprehensive and very timely overview of the various facets of HCV. The book starts with a discussion of the possible origin of HCV and its spread among the human population. The focus of the subsequent chapters is on available cell culture and in vivo models before shifting to the molecular and cellular principles underlying the viral replication cycle. These chapters are complemented by insightful descriptions of the innate and adaptive immune responses to HCV as well as the virus-associated pathogenesis. Finally, the development of

antiviral therapies, which is closely linked with progress in basic research, and the implementation of those therapies into present and future daily clinical practice are highlighted.
