

Coronaviruses

Molecular and Cellular Biology

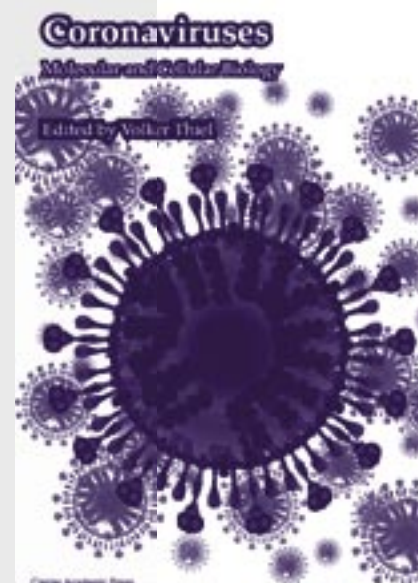
Edited by: **Volker Thiel**, *Kantonal Hospital St. Gallen, St. Gallen 9007, Switzerland*

x + 350 pp., Aug. 2007

ISBN 978-1-904455-16-5, \$319 / £159

This timely book reviews every aspect of cutting edge coronavirus research providing the first coherent picture of the viral molecular and cellular biology since the outbreak of SARS in 2003. The book is divided into two sections: Part I focuses on the molecular biology of the virus itself and includes topics such as coronavirus binding and entry, replicase gene function, cis-acting RNA elements, coronavirus discontinuous transcription, reverse genetics, genome packaging and molecular evolution. In Part II of the book, the focus is on molecular and cellular pathogenesis and infection control. This section includes reviews of the three prototype viruses, namely avian infectious bronchitis virus, feline coronavirus and mouse hepatitis virus. Other topics include SARS-CoV virus pathogenesis, SARS-CoV interaction with the host INF and antiviral cytokines, the newly recognized bat coronaviruses and human coronavirus NL63, and strategies for coronavirus vaccine development and the development of novel antiviral coronavirus agents.

Essential reading for all coronavirologists as well as scientists working on other viruses of the respiratory and/or gastrointestinal tract.



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Table of Contents

• Chapter 1: Coronavirus Binding and Entry *David E. Wentworth and Kathryn V. Holmes* • Chapter 2: The Coronavirus Replicase Gene: Special Enzymes for Special Viruses *John Ziebuhr and Eric J. Snijder* • Chapter 3: Genomic Cis-Acting Elements in Coronavirus RNA Replication *Paul S. Masters* • Chapter 4: Coronavirus RNA Synthesis: Transcription *Luis Enjuanes, Isabel Sola, Sonia Zuñiga, and J. L. Moreno* • Chapter 5: Reverse Genetic Analysis of Coronavirus Replication *Volker Thiel* • Chapter 6: Coronavirus Genome Packaging *Krishna Narayanan and Shinji Makino* • Chapter 7: Molecular Evolution of Group 2 Coronaviruses *Leen Vijgen, Els Keyaerts, and Marc Van Ranst* • Chapter 8: Avian Coronavirus Diseases and Infectious Bronchitis Vaccine Development *Paul Britton and Dave Cavanagh* • Chapter 9: Feline Coronaviruses: A Tale of Two-Faced Types *Bert Jan Haijema, Peter J.M. Rottier, and Raoul J. de Groot* • Chapter 10: Control of Neurotropic MHV by Multifactorial Mechanisms *Cornelia C. Bergmann and Stephen A. Stohman* • Chapter 11: SARS Coronavirus - Pathogenesis and Correlation With Clinical Disease *John M. Nicholls and Joseph S.M. Peiris* • Chapter 12: SARS-Coronavirus and the Antiviral Cytokine Response *Martin Spiegel and Friedemann Weber* • Chapter 13: Grand Challenges in Human Coronavirus Vaccine Development *Barry Rockx and Ralph S. Baric* • Chapter 14: SARS and Other "New" Coronaviruses *Leo L.M. Poon* • Chapter 15: Human Coronavirus NL63, a Long Lost Brother *Krzysztof Pyrc and Lia van der Hoek* • Chapter 16: Current Status of Antiviral Severe Acute Respiratory Syndrome Coronavirus Research *Els Keyaerts, Leen Vijgen, and Marc Van Ranst*

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