



Special Issue Reprint

Influenza Virus and Vaccination

Edited By:

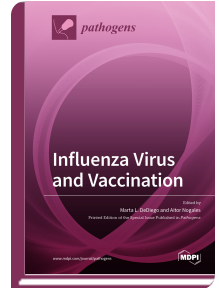
Marta L. DeDiego

Aitor Nogales

mdpi.com/books/pdfview/book/2331

ISBN 978-3-03928-817-5 (Pbk)

ISBN 978-3-03928-818-2 (PDF)



The influenza virus poses a threat to human health and is responsible for global epidemics every year. In addition to seasonal infections, influenza can cause occasional pandemics of great consequence when novel viruses are introduced into humans. Despite the implementation of comprehensive vaccination programs, influenza viruses continue to pose an important and unpredictable global public health threat. They are one of the most significant causes of morbidity and mortality each year and have a significant economic impact. In recent years, research has been conducted to find alternative approaches to influenza vaccine development, including the generation of universal vaccines. Notably, significant progress in the field of influenza infection, transmission, and immunity have contributed to our understanding of influenza biology, and to expanding the technological approaches for the generation of more efficient strategies against influenza infections. Moreover, highly remarkable developments have been made in the implementation of new methodologies to evaluate the efficiency of vaccines and improve them for use on domestic animals such as poultry, horses, dogs or pigs. This enables us to decrease the exposure of humans to potentially pandemic viruses. The articles in this Special Issue will address the importance of influenza to human health and the advances in influenza research that have led to the development of better therapeutics and vaccination strategies.

MDPI Books offers quality open access book publishing to promote the exchange of ideas and knowledge in a globalized world. MDPI Books encompasses all the benefits of open access – high availability and visibility, as well as wide and rapid dissemination. With MDPI Books, you can complement the digital version of your work with a high quality printed counterpart.



Open Access

Your scholarly work is accessible worldwide without any restrictions. All authors retain the copyright for their work distributed under the terms of the Creative Commons Attribution License.



Author Focus

Authors and editors profit from MDPI's over two decades of experience in open access publishing, our customized personal support throughout the entire publication process, and competitive processing charges as well as unique contributor discounts on book purchases.



High Quality & Rapid Publication

MDPI ensures a thorough review for all published items and provides a fast publication procedure. State-of-the-art research and time-sensitive topics are released with a minimum amount of delay.



High Visibility

Due to our global network and well-known channel partners, we ensure maximum visibility and broad dissemination. Title information of books is sent to international indexing databases and archives, such as the Directory of Open Access Books (DOAB), and the Verzeichnis lieferbarer Bücher (VLB).



Print on Demand and Multiple Formats

MDPI Books are available for purchase and to read online at any time. Our print-on-demand service offers a sustainable, cost-effective and fast way to publish MDPI Books printed versions.