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Altri autori (Persone)	MitrasinovicPetar M. <1968->
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Nota di contenuto	1. William Graeme Laver (Graeme) Ph.D. frs 1929-2008 / Robert G. Webster -- 2. The origin and control of pandemic influenza / the abstract and first section - the late W. Graeme Laver ; Penny G. Laver and Adrian J. Gibbs -- 3. Flu drugs : pathway to discovery / William Graeme Laver -- 4. Advances in molecular evolution of influenza a virus / Xiu-Feng Wan and Michael Emch -- 5. Pathogenesis of avian influenza (h5n1) infection in humans / Ruishu Deng and Jiang Gu -- 6. The interactions between avian h5n1 influenza virus and dendritic cell-specific icam-3 grabbing non-integrin (dc-sign) / Sheng-Fan Wang and Yi-Ming Arthur Chen -- 7. The activity of neuraminidase inhibitor oseltamivir against all subtypes of influenza viruses / Noel A. Roberts and Elena A. Govorkova -- 8. Computational investigations of the binding mechanism of current influenza virus neuraminidase inhibitors: correlation with experiment / Marija L. Mihajlovic and Petar M. Mitrasinovic -- 9. The impact of structural biology on the understanding of the influenza virus and the rational design of antivirals / Philip S. Kerry and Rupert J. Russell -- 10. The structure-based design of novel inhibitors of h5n1 virus neuraminidase / Petar M. Mitrasinovic -- 11. On the development of vaccines against pandemic influenza / Petar M. Mitrasinovic -- 12. Alternative strategies for vaccine development against avian flu / Michele A. Zacks and Slobodan Paessler -- 13. Advances in quantitative analyses of the hemagglutinin

of influenza a viruses and vaccines / Xuguang Li, Terry D. Cyr, Michel Girard, Changgui Li, Junzi Wang, Gary Van Domselaar, Aaron Farnsworth, Helen Macdonald-Piquard, and Runtao He -- 14. NIAID resources for the global research community to support development of new influenza therapeutics / Amy Krafft, Rachelle Salomon, and Martin Crumrine -- 15. Micronutrients in the global fight against influenza / Raxit J. Jariwalla, M. Waheed Roomi, Tatiana Kalinovsky, Matthias Rath, and Aleksandra Niedzwiecki -- 16. The Ikarus syndrome in the poultry industry and the concern about a new great influenza pandemic : what to learn from Ikarus' crash / Sievert Lorenzen -- 17. Theoretical aspect of prevention policies against influenza pandemic / Shingo Iwami, Yasuhiro Takeuchi, Xianning Liu, Andrei Korobeinikov, Eunok Jung, and Tae-Chang Jo -- 18. The impact of an emerging avian influenza virus (H5N1) in a seabird colony / Suzanne M. O'Regan, Tom C. Kelly, Andrei Korobeinikov, Michael J.A. O'Callaghan, and Alexei V. Pokrovskii -- 19. Control of influenza at healthcare facilities in resource-limited settings / Thana Khawcharoenporn, Anucha Apisarnthanarak, and Linda M. Mundy -- 20. Between panic and apathy : the fight against influenza in South Africa / Thomas Gstraunthaler.

Sommario/riassunto

Influenza has become an important infectious disease with regard to its enormous clinical and economic impact on population health. This book indicates the future directions in which the war versus influenza is to be developed, thus ensuring its scientific priority. It is suitable for health care professionals and health science administrators.
