Lyme disease (Lyme borreliosis) is the most prevalent vector-borne illness in the United States and Europe and a growing threat to global health. In addition Lyme disease is considered a model system of emerging infectious diseases. The book *Borrelia: Molecular Biology, Host Interaction and Pathogenesis* published in 2010 was the first state-of-the-art reference work covering the myriad, interfaceted facets of the enzootic disorders caused by pathogenic Borrelia. This current volume, by the same editors, builds on the previous work and contains a vast amount of new information, a wider scope, and increased coverage of genomics, genetics, evolutionary biology, vector biology, physiology, pathogenicity, immune response, and immune evasion.

Written by renowned scientists who have made seminal contributions to the field, this book contains an expansive treatment of the options to track live spirochetes and evaluate gene expression in ticks and mice, provides insights into the workings of the flagellar motor, presents up-to-date research on the modulation of gene expression, and reviews recent studies on the Lyme disease spirochete’s networks of regulatory pathways. The volume highlights and describes in detail the tremendous advances in understanding of the *Borrelia* genus at the molecular and cellular levels as well as the pathogenesis of Lyme disease and relapsing fever.

This comprehensive volume is indispensable for anyone involved in *Borrelia* and Lyme disease research and is highly recommended for microbiologists, immunologists, and physicians with an interest in spirochetes, vector-borne illness, or emerging infectious diseases. The book is a recommended reference volume for all microbiology libraries.
Lyme Disease and Relapsing Fever Spirochetes: Genomics, Molecular Biology, Host Interactions and Disease Pathogenesis
Edited by: Justin D. Radolf and D. Scott Samuels (Published: 2021)

Veterinary Vaccines: Current Innovations and Future Trends
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"for graduate students and researchers" (Ringgold)

Astrobiology: Current, Evolving and Emerging Perspectives
Edited by: André Antunes (Published: 2020)
an up-to-date insight into current topics and research work ... a very good introduction to interested readers (BioSpektrum); "recent theoretical and experimental results" (Ringgold)

Chlamydia Biology: From Genome to Disease
Edited by: Ming Tan, Johannes H. Hegemann and Christine Sütterlin (Published: 2020)
"The book as a whole is recommended to research students, doctoral students and scientists" (Biospektrum); "a current and comprehensive summary of Chlamydia research" (Doody's); "a broad reference on the bacterial pathogen Chlamydia and the human and animal disease it causes" (Ringgold)

Microbial Exopolysaccharides: Current Research and Developments
Edited by: Özlem Ates Duru (Published: 2019)
"of immense value for PhD students, postdoctorate students, microbiologists, and experienced scientists" (Doody's)

Polymerase Chain Reaction: Theory and Technology
Author: Mark A. Behlke, Kornelia Berghof-Jäger, Tom Brown, et al. (Published: 2019)

Pathogenic Streptococci: From Genomics to Systems Biology and Control
Edited by: Yuqing Li and Xuedong Zhou (Published: 2019)

Bats and Viruses: Current Research and Future Trends
Edited by: Eugenia Corrales-Aguilar and Martin Schwemmle (Published: 2020)
"highly recommended" (Southeastern Naturalist)

SUMOylation and Ubiquitination: Current and Emerging Concepts
Edited by: Van G. Wilson (Published: 2019)
a comprehensive, in-depth resource ... intensive and technically detailed descriptions of the latest advances ... densely packed with information ... a valuable reference for any laboratory group working in this field" (Doody's)

Avian Virology: Current Research and Future Trends
Edited by: Siba K. Samal (Published: 2019)
a nice introduction to avian virology" (Doody's); "this book is a must-have for anyone whose daily activities require detailed knowledge of the biology, pathogenesis, immune response, prevention, and control of avian viruses" (JAVMA)

Insect Molecular Virology: Advances and Emerging Trends
Edited by: Bryony C. Bonning (Published: 2019)
"essential reading for students and scholars of insect virology" (Biotechnol. Agron. Soc. Environ.)

The Prion Protein
Edited by: Jörg Tatzelt (Published: 2010)

Plant Genomics
Edited by: Hany A. El-Shemy (Published: 2009)

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