

Arboviruses **Available Now!**

Molecular Biology, Evolution and Control
Edited by: Nikos Vasilakis and Duane J. Gubler
 xii + 398 pages, April 2016
Book: ISBN 978-1-910190-21-0, £159 / US\$319
Ebook: ISBN 978-1-910190-22-7, £159 / US\$319

Zika Virus Research Included!

This book brings together a panel of expert arbovirologists to produce a timely review of the rapidly expanding arbovirus research literature. In addition authors identify the most pressing questions that remain to be answered, thus providing a stimulus for future research. Topics include: taxonomy, genome organization, virus-host and virus-vector interactions, evolutionary history, role of vertical transmission in arbovirus maintenance and evolution, epidemiology, arbovirus replication, pathogenesis, arbovirus diagnostics and control, including vaccines, novel anti-viral drugs, RNA interference and genetically modified vectors. Essential reading for every arbovirologist and highly recommended for all virologists and public health officials.

Topics

- The Arboviruses: Quo Vadis? • The Taxonomy of Arboviruses • Genomic Organization of Arboviral Families • Host Metabolism and its Contribution in Flavivirus Biogenesis • Vector-borne Bunyavirus Pathogenesis and Innate Immune Evasion • Vector-borne Rhabdoviruses • Alphavirus - Host Interactions • Molecular Interactions Between Arboviruses and Insect Vectors: Insects' Immune Responses to Virus Infection • Genetic Diversity of Arboviruses • Ecological and Epidemiological Factors Influencing Arbovirus Diversity, Evolution and Spread • Role of Inter- and Intra-host Genetics in Arbovirus Evolution • Arbovirus Genomics and Metagenomics • Role of Vertical Transmission in Mosquito-borne Arbovirus Maintenance and Evolution • The Boundaries of Arboviruses: Complexities Revealed in Their Host Ranges, Virus-Host Interactions and Evolutionary Relationships • Laboratory Diagnosis of Arboviruses • Conventional Vector Control: Evidence it Controls Arboviruses • Biological Control of Arbovirus Vectors • RNA Interference: A Pathway to Arbovirus Control • Genetically Modified Vectors for Control of Arboviruses • Arbovirus Vaccines • Small Molecule Drug Development for Dengue Virus • Arbovirology: Back to the Future.

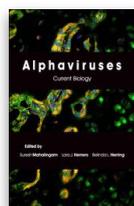
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Virus Evolution

Current Research and Future Directions
Edited by: Scott C. Weaver, Mark Denison, Marilyn Roossinck and Marco Vignuzzi
 366 pages, January 2016
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Alphaviruses

Current Biology
Edited by: Suresh Mahalingam, Lara Herrero and Belinda Herring
 x + 184 pages, January 2016
Book: ISBN 978-1-910190-15-9, £159 / US\$319
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Influenza

Current Research

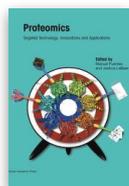
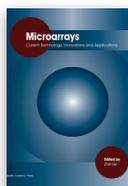
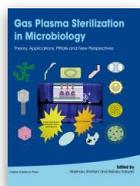
Edited by: Qinghua Wang and Yizhi Jane Tao

c. 192 pages, September 2016

Book: ISBN 978-1-910190-43-2, £159 / US\$319

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- Stem-specific Broadly Neutralizing Antibodies of Influenza Virus Hemagglutinin.
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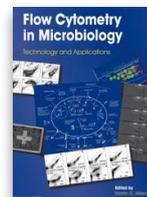
Edited by: Markus Kostrzewa and Sören Schubert

c. 200 pages, July 2016

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