

# Aeromonas

## Edited by: Joerg Graf

(Department of Molecular and Cell Biology, University of Connecticut, USA)

viii + 230 pp, published 2015 ... **available now!**

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**Ebook:** ISBN 978-1-908230-57-7 £159, \$319

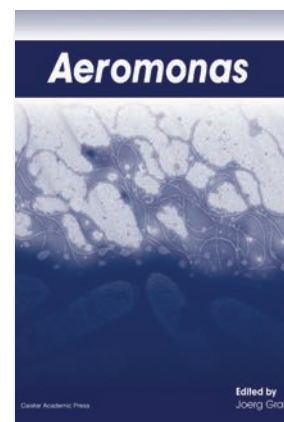
The genus *Aeromonas* comprises a fascinating group of organisms linked to infections in humans, fish and other animals. Members of the genus are widespread in aquatic environments and can colonize a wide variety of animals in a benign or even beneficial manner.

Dedicated to the genus *Aeromonas*, this book provides a comprehensive overview of current knowledge and authoritative research on the organisms, their taxonomy, ecology and pathogenicity. Written by a team of prominent scientists under the expert editorship of Joerg Graf, the topics covered include taxonomy, fish pathogens, infections in humans, beneficial associations, antigen structures, virulence mechanisms, molecular diagnostics and *Aeromonas* in food and water.

Packed with practical information and state-of-the-art science this concise volume is an essential handbook for everyone involved with *Aeromonas* research or clinical diagnosis and is a recommended purchase for all microbiology and clinical libraries.

## Chapter list:

- **Chapter 1:** Introduction and Overview. *Joerg Graf*
- **Chapter 2:** Taxonomy. *Geert Huys*
- **Chapter 3:** *Aeromonas* Fish Pathogens. *Brian Austin*
- **Chapter 4:** *Aeromonas* infections in humans. *Maria José Figueras and Roxana Beaz-Hidalgo*
- **Chapter 5:** *Aeromonas*, a Multifaceted Microbe: Beneficial Associations with Animals. *Joerg Graf*
- **Chapter 6:** Aeromonad Antigenic Structures. *Jennifer Parker and Jonathan Shaw*
- **Chapter 7:** New Developments on the Virulence Mechanisms of *Aeromonas hydrophila*. *Elena V. Kozlova, Duraisamy Ponnusamy, and Ashok K. Chopra*
- **Chapter 8:** Molecular Diagnostics by Genetic Methods. *Antonio Martínez-Murcia and Brigitte Lamy*
- **Chapter 9:** Occurrence and Virulence Potential of *Aeromonas* in Food and Water. *Christopher J. Grim*



Ebook and chapters available for download at [caister.com](http://caister.com)

## OTHER BOOKS OF INTEREST:



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Targeted Technology, Innovations and Applications

Edited by: M Fuentes, J LaBaer

x + 186 pp, September 2014

Hardback: ISBN 978-1-908230-46-1 £159/\$319

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An overview of targeted proteomics in biomedical science.



### Microbial Biofilms

Current Research and Applications

Edited by: G Lear, GD Lewis

x + 228 pp, February 2012

Hardback: ISBN 978-1-904455-96-7 £159/\$319

"a useful update" (*Micro. Today*); "highly recommended" (*Biospektrum*); "highly recommended" (*Fungal Diversity*)



### Next-generation Sequencing

Current Technologies and Applications

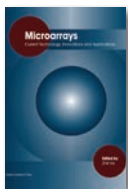
Edited by: J Xu

xii + 160 pp, March 2014

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Ebook: ISBN 978-1-908230-95-9 £120/\$240

"written in an accessible style" (*Zentralblatt Math*)



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