



Springer

1st  
edition2014, XVII, 293 p. 22 illus.,  
8 illus. in color.**Printed book**

Hardcover

**Printed book**

Hardcover

ISBN 978-94-007-7623-4

£ 159,99 | CHF 212,50 | 179,99 € |  
197,99 € (A) | 192,59 € (D)

Available

**Discount group**

Science (SC)

**Product category**

Contributed volume

**Other renditions**

Softcover

ISBN 978-94-024-0192-9

Biomedicine : Medical Microbiology

Burkovski, Andreas (Ed.), Friedrich-Alexander-Universität, Erlangen, Germany

# Corynebacterium diphtheriae and Related Toxigenic Species

Genomics, Pathogenicity and Applications

- Several *Corynebacterium glutamicum* books have been published, but little to nothing about *C. diphtheriae*
- A considerable number of research groups work on pili, surface structures, vaccines, distribution, host-pathogen-interactions, Fe metabolism, biotechnological applications (vectors systems to induce cell death, sialidase)
- Recently published genome sequences give the unique opportunity to compare *C. diphtheriae* genomes

*Corynebacterium diphtheriae* is the classical etiological agent of diphtheria and the type strain of the genus *Corynebacterium*. While diphtheria of the respiratory tract became rare with the introduction of vaccination programs in industrialized countries, even today several thousand cases per year are reported to the World Health Organization. This shows that diphtheria is not completely eradicated and that reservoirs exist. The book summarizes the latest advances made in understanding *C. diphtheriae* and the closely related species *Corynebacterium ulcerans* and *Corynebacterium pseudotuberculosis*. Topics addressed are genomics of toxigenic corynebacteria, host-pathogen-interaction, detection, surveillance and treatment as well as application aspects.

**Order online at [springer.com/booksellers](http://springer.com/booksellers)****Springer Nature Customer Service Center GmbH**

Customer Service

Tiergartenstrasse 15-17

69121 Heidelberg

Germany

T: +49 (0)6221 345-4301

[row-booksellers@springernature.com](mailto:row-booksellers@springernature.com)

ISBN 978-94-007-7623-4 / BIC: MMFM / SPRINGER NATURE: SCB16003

Prices and other details are subject to change without notice. All errors and omissions excepted. Americas: Tax will be added where applicable. Canadian residents please add PST, QST or GST. Please add \$5.00 for shipping one book and \$ 1.00 for each additional book. Outside the US and Canada add \$ 10.00 for first book, \$5.00 for each additional book. If an order cannot be fulfilled within 90 days, payment will be refunded upon request. Prices are payable in US currency or its equivalent.

Part of **SPRINGER NATURE**