

Contents

Part I Pathogenesis

- 1 ***Pseudomonas aeruginosa* Host Immune Evasion** 3
Taylor S. Cohen, Dane Parker and Alice Prince
- 2 ***Pseudomonas entomophila*: A Versatile Bacterium with Entomopathogenic Properties**..... 25
Guennaëlle Dieppois, Onya Opota, Jorge Lalucat and Bruno Lemaitre
- 3 ***Pseudomonas* Activation of the Inflammasome** 51
Ami Joy Hughes and Alan R. Hauser
- 4 ***P. aeruginosa* Type VI Secretion Machinery: Another Deadly Syringe**.... 75
Maria-Guillermina Casabona, Sylvie Elsen, Valentina Cogoni and Ina Attrée
- 5 **Anaerobic Life Style of *Pseudomonas aeruginosa*** 99
Masanori Toyofuku, George A. O'Toole and Nobuhiko Nomura

Part II Biochemistry and Physiology

- 6 ***Pseudomonas* Strains that Exert Biocontrol of Plant Pathogens** 121
Jesús Mercado-Blanco
- 7 **Resistance and Response to Anti-*Pseudomonas* Agents and Biocides**..... 173
Yuji Morita, Junko Tomida and Yoshiaki Kawamura
- 8 **Lessons from the QSCR Structure for Quorum Sensing** 189
Christina L. Wysoczynski and Mair E.A. Churchill

Part III Soil Microbiology

- 9 Understanding and Exploiting Bacterial Outer Membrane Vesicles** 217
Brandon D. Vella and Jeffrey W. Schertzer
- 10 Events in Root Colonization by *Pseudomonas putida*** 251
Paloma Pizarro-Tobías, Zulema Udaondo, Amalia Roca
and Juan L. Ramos

Part IV History

- 11 My Memories of *Pseudomonas* in the Twentieth Century** 289
Bruce Holloway
- Index** 315

Pseudomonas

Volume 7: New Aspects of Pseudomonas Biology

Ramos, J.-L.; Goldberg, J.B.; Filloux, A. (Eds.)

2015, XII, 316 p. 40 illus. in color., Hardcover

ISBN: 978-94-017-9554-8