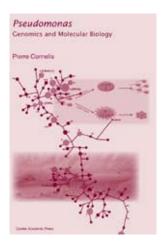
Pseudomonas: Genomics and Molecular Biology

Edited by: Pierre Cornelis Vrije Universiteit Brussel, Belgium x + 244 pp. (+ 8pp colour plate section), Jan. 2008 ISBN 978-1-904455-19-6, \$319 / £159

Reviews the most current and topical aspects of *Pseudomonas* molecular biology and genomics. Aimed at a readership of research scientists, graduate students and other specialists. Topics include: taxonomy, genome diversity, oligonucleotide usage, polysaccharides, pathogenesis, virulence, biofilms, antibiotic resistance, iron uptake, genetic tools. Essential reading for anyone involved in *Pseudomonas* research.

Chapter 1 The Road to the Taxonomy of Pseudomonas Norberto J. Palleroni • Chapter 2 Genome Diversity of Pseudomonas aeruginosa Jens Klockgether, Dieco Würdemann, Lutz Wiehlmann, Tim T. Binnewies, David W. Ussery and Burkhard Tümmler • Chapter 3 Oligonucleotide Usage Signatures of the Pseudomonas putida KT2440 Genome Oleg Reva and Burkhard Tümmler • Chapter 4 Genetic Tools for Pseudomonas Kyoung-Hee Choi, Lily A. Trunck, Ayush Kumar, Takehiko Mima, RoxAnn

R. Karkhoff-Schweizer and Herbert P. Schweizer • Chapter 5 Molecular Biology of Cell-Surface Polysaccharides in Pseudomonas aeruginosa: From Gene to Protein Function Wayne L. Miller and Joseph S. Lam . Chapter 6 Pseudomonas aeruginosa Virulence and Pathogenesis Issues Victoria E. Wagner, Melanie J. Filiatrault, Kristin F. Picardo and Barbara H. Iglewski • Chapter 7 Pseudomonas aeruginosa Biofilms: Impact of Small Colony Variants on Chronic Persistent Infections Susanne Häußler • Chapter 8 Antibiotic Resistance in Pseudomonas Alicia Fajardo and José L. Martínez • Chapter 9 Iron uptake in Pseudomonas



Pierre Cornelis, Christine Baysse and Sandra Matthijs • Index

"... well-written, extensively referenced and up-to-date ... a valuable resource for anyone studying these microbes" from ACM News (2008) 1: 13.

Acinetobacter Molecular Biology

Edited by: **Ulrike Gerischer** *University of Ulm, Germany* x + 348 pp., Jan. 2008, ISBN 978-1-904455-20-2, \$319 / £159

Reviews the most current and topical aspects of *Acinetobacter* genetics and molecular biology. Includes: taxonomy, lipopolysaccharides, catabolism of aromatic compounds, transformation systems, transcriptional regulation, applications in biotechnology, the molecular basis for virulence and pathogenicity, molecular epidemiology, and antibiotic resistance.

Chapter 1 The Diversity of the Genus Acinetobacter Lenie Dijkshoorn and Alexandr Nemec • Chapter 2 Taxonomy of the Genus Acinetobacter Based on 16S Ribosomal RNA Gene Sequences Mario Vaneechoutte and Thierry De Baere • Chapter 3 Lipopolysaccharides of Acinetobacter Ralph A. Pantophlet • Chapter 4 The Catabolism of Aromatic Compounds by Acinetobacter Peter A. Williams and Catherine M. Kay • Chapter 5 The Natural Transformation System of Acinetobacter baylyi ADP1: A Unique DNA Transport Machinery Beate Averhoff and Iris Graf • Chapter 6 Acinetobacter baylyi Genetics L. Nicholas Ornston, Susan Schlimpert, Alison Buchan and Donna Parke • Chapter 7 Lysr

Homologs in Acinetobacter: Insights into a Diverse and Prevalent Family of Transcriptional Regulators Sarah H. Craven, Obidimma C. Ezezika, Cory Momany and Ellen L. Neidle • Chapter 8 Spotlight on the Acinetobacter baylyi Beta-Ketoadipate Pathway: Multiple Levels of Regulation Ulrike Gerischer, Bettina Jerg and Rita Fischer • Chapter 9 Potential Application of Acinetobacter in Biotechnology David L. Gutnick and Horacio Bach • Chapter 10 Molecular



Basis of Acinetobacter Virulence and Pathogenicity Andrew P. Tomaras, Caleb W. Dorsey, Christin McQueary and Luis A. Actis • Chapter 11 Molecular Epidemiology of Acinetobacter species Harald Seifert and Hilmar Wisplinghoff • Chapter 12 Molecular Basis of Antibiotic Resistance in Acinetobacter spp. Kevin J. Towner • Index

"a wide-ranging series of reviews ... this book is a must for anyone working on molecular aspects of Acinetobacter" from Microbiology Today (2008)

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Two-Component Systems in Bacteria

Edited by: R Gross, D Beier c. 410 pp, August 2012

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Systems Microbiology

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Quantitative Realtime PCR in Applied Microbiology

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