

Contents

Envelope Structures of Gram-Positive Bacteria	1
Mithila Rajagopal and Suzanne Walker	
The Canonical and Accessory Sec System of Gram-positive Bacteria	45
Irfan Prabudiansyah and Arnold J.M. Driessen	
Twin-Arginine Protein Translocation	69
Vivianne J. Goosens and Jan Maarten van Dijl	
Membrane Translocation and Assembly of Sugar Polymer Precursors.	95
Véronique L. Taylor, Steven M. Huszczynski and Joseph S. Lam	
Predicting Subcellular Localization of Proteins by Bioinformatic Algorithms	129
Henrik Nielsen	
Anchoring of LPXTG-Like Proteins to the Gram-Positive Cell Wall Envelope	159
Sara D. Siegel, Melissa E. Reardon and Hung Ton-That	
Spatial Organization of Cell Wall-Anchored Proteins at the Surface of Gram-Positive Bacteria	177
Shaynoor Dramsi and Hélène Bierre	
Pilus Assembly in Gram-Positive Bacteria	203
Werner Pansegrau and Fabio Bagnoli	
Type VII Secretion Systems in Gram-Positive Bacteria	235
Daria Bottai, Matthias I. Gröschel and Roland Brosch	

Protein Secretion in Gram-Positive Bacteria: From Multiple Pathways to Biotechnology	267
Jozef Anné, Anastassios Economou and Kristel Bernaerts	
Surface and Exoproteomes of Gram-Positive Pathogens for Vaccine Discovery	309
Massimiliano Biagini, Fabio Bagnoli and Nathalie Norais	

Protein and Sugar Export and Assembly in
Gram-positive Bacteria

Bagnoli, F.; Rappuoli, R. (Eds.)

2017, X, 337 p., Hardcover

ISBN: 978-3-319-56012-0