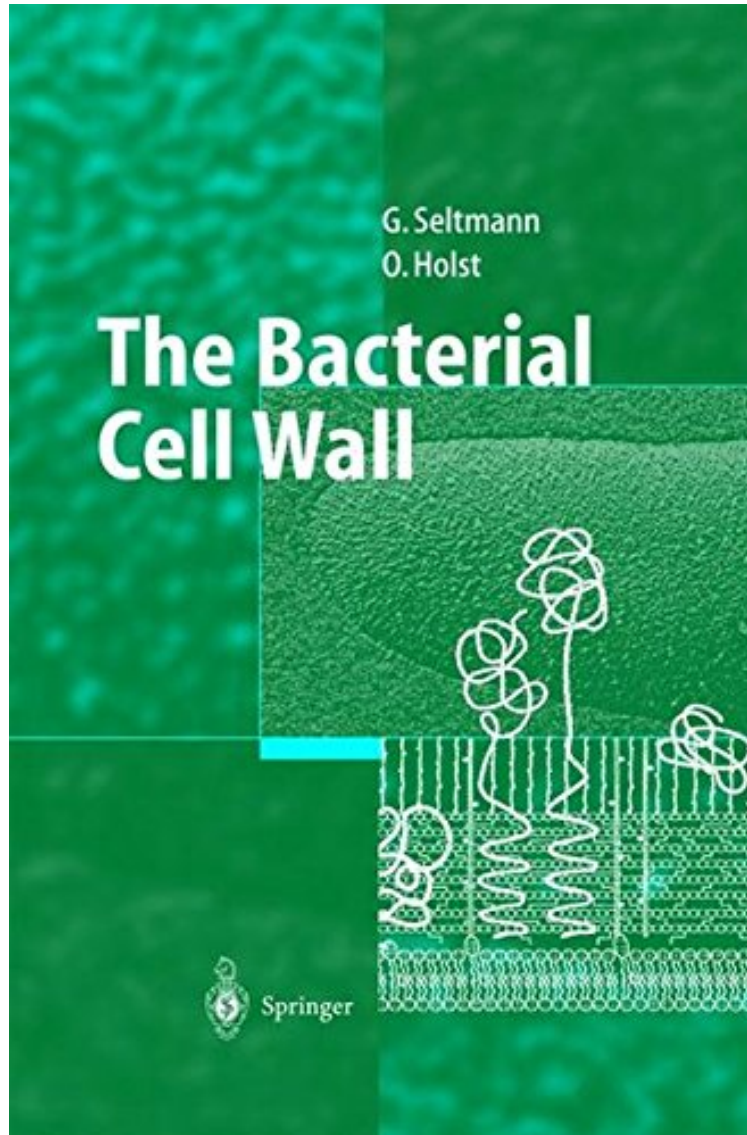


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The Bacterial Cell Wall

Guntram Seltmann, Otto Holst
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Guntram Seltmann, Otto Holst : The Bacterial Cell Wall before purchasing it in order to gage whether or not it would be worth my time, and all praised The Bacterial Cell Wall:

The bacterial cell wall represents a very complex structure disconnecting the interior of single-cell organisms from the environment, thus protecting, but also enabling, them to interact with the surrounding milieu and to exchange both

substances and information. Knowledge of the biochemistry of the cell wall (components) and the genetic background helps to understand their significance with regard to microbiology and immunology of bacteria. This book represents the second edition of a publication which was presented nearly 20 years ago in the German language (Die bakterielle Zellwand). Since that time our knowledge in this field has been significantly enlarged. Therefore, the manuscript had to be completely revised and updated. To maintain both the size and the introductory character of the book at least to a great extent, the authors had to restrict the presented material to that which appears basic and most important. This requirement must inevitably bring about many subjective factors. As pointed out in the first edition, the term cell wall was not taken too strictly. Since the constituents located outside the cytoplasmic membrane are frequently difficult to divide in structure, localisation, and/or function into true cell wall components and supplementary substances, they are all at least briefly mentioned.

From the reviews of the first edition: "This book is an absolute must for all those working on morphology, chemistry, functions, etc. of cell walls, it is an introduction as well as a source book." (W. Koehler, International Journal of Medical Microbiology, Vol. 294, 2004) "This is a new edition of a book originally published only in German several years ago. There are few books on bacterial cell walls. This will, therefore, inevitably be an important sourcebook. This is a worthy book, and a valuable addition to a very limited area of publication." (Ian Hancock, Sfam News, Vol. 3 (3), 2002)