

PILI and FLAGELLA

Current Research and Future Trends

Edited by: **Ken Jarrell**
 x + 238 pp., August 2009
 ISBN 978-1-904455-48-6 \$319/£159

Published by: **Caister Academic Press** www.caister.com

This book, the first for many years on this important topic, brings together some of the top scientists in the field and describes the current knowledge and latest research on prokaryotic pili and flagella. The emphasis of the chapters is on the molecular biology, genetics, structure, assembly and function of these structures. Topics include biogenesis, structure, and function of various pili in Gram-negative and Gram-positive organisms, flagellar gene expression, structure and assembly, the flagella motor, posttranslational modifications of flagella systems, lateral flagella systems, the origin and evolution of flagella, applications of flagella as a surface display and expression system, and a chapter on the flagella and pili of Archaea.

A recommended text for all microbiology laboratories and an essential volume for anyone involved in microbial adhesion, pathogenesis, virulence, structural biology, host colonization and motility.



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