	UNINA9910279576503321
Titolo	Type IV Secretion in Gram-Negative and Gram-Positive Bacteria / / edited by Steffen Backert, Elisabeth Grohmann
Pubbl/distr/stampa	Cham : , : Springer International Publishing : , : Imprint : Springer, , 2017
ISBN	3-319-75241-3
Edizione	[1st ed. 2017.]
Descrizione fisica	1 online resource (364 pages)
Collana	Current Topics in Microbiology and Immunology, , 0070-217X ; ; 413
Disciplina	614.57
Soggetti	Medical microbiology Immunology Infectious diseases Gastroenterology Medical Microbiology Infectious Diseases Gastroenterology
Lingua di pubblicazione	Inglese
Lingua di pubblicazione Formato	Inglese Materiale a stampa
Lingua di pubblicazione Formato Livello bibliografico	Inglese Materiale a stampa Monografia

1.

Type IV secretion systems (T4SSs) are highly versatile membraneassociated transporter machines used by Gram-negative and Grampositive bacteria to deliver substrate molecules to a large variety of target cells. This volume summarizes our current knowledge of the large variety and structural diversity of T4SSs in pathogenic Escherichia, Agrobacterium, Legionella, Coxiella, Bartonella, Helicobacter, Enterococcus and other species. Divided into 13 chapters contributed by leading experts, it presents findings that significantly enhance our understanding of how various pathogens manipulate host cell functions to trigger bacterial uptake, promote intracellular growth, suppress defense mechanisms and of how bacteria spread antibiotic resistances, thus facilitating bacterial colonization and disease development. The book is an invaluable source of information for researchers and clinicians.