

1. Record Nr.	UNINA9910830239203321
Titolo	Structural Biology of Bacterial Pathogenesis // edited by Gabriel Waksman, Michael Caparon, Scott Hultgren
Pubbl/distr/stampa	Washington, District of Columbia : , : John Wiley & Sons, Inc., , 2014
ISBN	1-68367-198-8
Descrizione fisica	1 online resource (xi, 273 pages) : illustrations
Disciplina	571.993
Soggetti	Molecular microbiology Virulence (Microbiology) Bacteria - Ultrastructure Bacteria - Physiology
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di contenuto	Regulation of transcription by anti-sigma factors / Elizabeth A. Campbell and Seth A. Darst -- Two-component signal transduction and chemotaxis / Jodi B. Lubetsky and Ann M. Stock -- Sugar recognition and bacterial attachment / Craig L. Smith [and others] -- Host receptors of bacterial origin / Calvin K. Yip [and others] -- The chaperone-usher pathway of pilus fiber biogenesis / Frederic G. Sauer, Scott J. Hultgren, and Gabriel Waksman -- Structure and assembly of type IV pilins / Katrina T. Forest -- Sortase pathways in gram-positive bacteria / Kevin M. Connolly and Robert T. Clubb -- Structural determinants of Haemophilus influenzae adherence to host epithelia: variations on type V secretion / Neeraj K. Surana [and others] -- Type III secretion machinery and effectors / C. Erec Stebbins -- Type IV secretion machinery / Gunnar Schroder, Savvas N. Savvides, Gabriel Waksman, and Erich Lanka -- Injectosomes in gram-positive bacteria / Rodney K. Tweten and Michael Caparon -- Toll/interleukin-1 receptors and innate immunity / Liang Tong.
Sommario/riassunto	This new text offers a comprehensive, up-to-date account of those structural classes of antibiotics that have had an impact in human infectious disease. While most of the attention is on natural products with antibiotic activity elaborated by microbes to act as chemical

weapons on neighboring bacteria, synthetic chemicals with antibiotic activity are also discussed.
