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Altri autori (Persone)	SmithHarry <1921-2011.>
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Nota di contenuto	Preface ; Introduction ; Questions about the Behaviour of Bacterial Pathogens in Vivo ; DNA Topology and Adaptation of Salmonella typhimurium to an Intracellular Environment ; New Methods for Studying Bacterial Behaviour in Vivo The Pathogenesis of Shigella flexneri Infection: Lessons from in Vitro and in Vivo Studies Detection and Analysis of Gene Expression During Infection by in Vivo Expression Technology ; Measurement of Bacterial Gene Expression in Vivo Identification and Analysis of Bacterial Virulence Genes in Vivo Salmonella Interactions with Host Cells: In Vitro to in Vivo ; Impact of the New Methods ; In Vivo Gene Expression and the Adaptive Response: From Pathogenesis to Vaccines and Antimicrobials Challenge of Investigating Biologically Relevant Functions of Virulence Factors in Bacterial Pathogens Virulence Gene Regulation Inside and Outside ; Evidence for Operation in Vivo of Aspects of Pathogenicity Revealed by Recent Work in Vitro: Potential Use of New Methods Quorum Sensing

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	and the Population-dependent Control of Virulence Type III Secretion: A Bacterial Device for Close Combat with Cells of Their Eukaryotic Host ; Evolution of Microbial Pathogens ; The Immune Responses to Bacterial Antigens Encountered in Vivo at Mucosal Surfaces ; Index
Sommario/riassunto	Pathogenic bacteria have unique biological properties, which enable them to invade a host and cause sickness. The molecular bases of these biological properties are the determinants of pathogenicity, and the research objectives are to recognize them, identify them chemically and relate their structure to function. Most of our present knowledge comes from studies with cultures <i>in vitro</i> . However, there is a rising interest in bacterial behaviour in the infected host and new methods have been developed for studying it.