

# Bacterial Invasion Of Host Cells

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Comprehensive review of current research concerning how bacteria invade host cells and cause disease. This book concerns the intimate association between bacteria and host cells. Many bacterial pathogens are able to invade and survive within cells at mucosal membranes. Remarkably, the bacteria themselves orchestrate this process through the exploitation of host cellular signal transduction pathways. Intracellular invasion can lead to disruption of host tissue integrity and perturbation of the immune system. An understanding of the molecular basis of bacterial invasion and of host cell adaptation to intracellular bacteria will provide fundamental insights into the pathophysiology of bacteria and the cell biology of the host. The book details specific examples of bacteria that are masters of manipulation of eukaryotic cell signaling and relates these events to the broader context of host-pathogen interaction. Written by experts in the field, this book will be of interest to researchers and graduate students in microbiology, immunology, biochemistry, as well as molecular medicine and dentistry. EAN/ISBN : 9780511189661  
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