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| Titolo                  | Colloquium on Virulence and Defense in Host-Pathogen Interactions : Common Features Between Plants and Animals / / [edited by Noel T. Keen ... et al.]                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
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| Edizione                | [1st ed.]                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| Descrizione fisica      | 1 online resource (124 pages) : illustrations                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| Collana                 | National Academy of Sciences colloquium series                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| Altri autori (Persone)  | KeenNoel T. <1940->                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| Disciplina              | 571.9/6                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| Soggetti                | Virulence (Microbiology)<br>Host-parasite relationships<br>Immune response - Molecular aspects                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| Lingua di pubblicazione | Inglese                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
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| Nota di bibliografia    | Includes bibliographical references.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Nota di contenuto       | ""COLLOQUIUM ON Virulence and Defense in Host-Pathogen Interactions: Common Features Between Plants and Animals""; ""Contents""; ""Introduction""; ""Colloquium Striking a balance: Modulation of the actin cytoskeleton by Salmonella""; ""THE CENTISOME 63 TYPE III SECRETION SYSTEM: SALMONELLA'S KEY TO ENTER INTO HOST CELLS""; ""REVVING UP RHO GTPASES: SIGNALING FOR ENTRY AND BEYOND""; ""DOWNSTREAM SIGNALING: EFFECTORS OF CDC42 AND RAC-1 FUNCTION""; ""FINE-TUNING THE ACTIN CYTOSKELETON REARRANGEMENTS: THE ROLE OF THE ACTIN-BINDING PROTEIN SIPA"" ""PUTTING ON THE BRAKES: A LESSON ON SELF-RESTRAINT"" ""LESSONS LEARNED FROM SALMONELLA""; ""Colloquium Structure and function of pectic enzymes: Virulence factors of plant pathogens""; ""DIFFERENCE IN OUTER BARRIERS OF PLANT AND MAMMALIAN CELLS""; ""DEGRADATIVE ENZYMES OF PLANT CELL WALL COMPONENTS""; |

""THREE-DIMENSIONAL STRUCTURES OF PLANT CELL WALL  
 DEGRADATIVE ENZYMES""; ""STRUCTURAL APPROACHES TO THE  
 ELUCIDATION OF THE ENZYMATIC MECHANISM OF PELC""; ""STRUCTURE  
 OF THE PELC R218K-(CA2+)<sub>4</sub>-PENTAGALPA COMPLEX"";  
 ""SIGNIFICANCE OF MULTIPLE ISOZYMES FOR PATHOGENESIS""  
 ""MODEL OF THE PLB-MGALPA<sub>4</sub> COMPLEX"" ""CONCLUSIONS"";  
 ""METHODS""; ""Colloquium Pseudomonas syringae Hrp type III  
 secretion system and effector proteins""; ""HOPPSYA, PHIR11, AND THE  
 MINIMUM GENETIC UNIT FOR BACTERIAL ELICITATION OF THE  
 HYPERSENSITIVE RESPONSE""; ""FUNCTIONS OF HRP SYSTEM  
 COMPONENTS""; ""THE TRIPARTITE MOSAIC STRUCTURE OF THE P.  
 SYRINGAE HRP PAI""; ""AN EEL MAKES A SMALL CONTRIBUTION TO  
 PARASITIC FITNESS""; ""THE CEL IS IMPORTANT FOR PATHOGENICITY"";  
 ""HRPK AND CEL ORF1""; ""EFFECTOR PROTEIN SECRETION AND A  
 UNIVERSAL TYPE III TARGETING SIGNAL""; ""CONCLUSIONS""  
 ""Colloquium Molecular and cell biology aspects of plague"" ""A DEVICE  
 TO INJECT BACTERIAL PROTEINS ACROSS EUKARYOTIC CELL  
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 A framework for interpreting the leucine-rich repeats of the Listeria  
 internalins ""; ""INTERNALIN FAMILY""; ""INTERNALIN LRR""; ""LRR  
 FLANKING SEQUENCES""; ""LRR PATTERN: STRUCTURAL RESIDUES"";  
 ""LRR PATTERN: FUNCTIONAL RESIDUES""; ""Colloquium Acyl-  
 homoserine lactone quorum sensing in Gram-negative bacteria: A  
 signaling mechanism involved in associations ""; ""OVERVIEW OF ACYL-  
 HSL QUORUM SENSING""  
 ""QUORUM SENSING IN P. AERUGINOSA""""REGULATION OF VIRULENCE  
 BY QUORUM SENSING IN P. AERUGINOSA""; ""BIOFILMS AND QUORUM  
 SENSING""; ""FUTURE CHALLENGES""; ""Colloquium Phenotypic variation  
 and intracellular parasitism by Histoplasma capsulatum"";  
 ""MODULATION OF I<sup>2</sup>-(1,3)-GLUCAN IN THE CELL WALL""; ""CALCIUM  
 AND INTRACELLULAR PARASITISM""; ""REGULATION OF CBP"";  
 ""HISTOPLASMA AS A MODEL SYSTEM""; ""Colloquium Exploitation of  
 host cells by enteropathogenic Escherichia coli""; ""CLINICAL SYMPTOMS  
 AND PATHOLOGY""; ""THE LOCUS OF ENTEROCYTE EFFACEMENT"";  
 ""LOCALIZED EPEC ADHERENCE TO EPITHELIAL CELLS""

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