

1. Record Nr.	UNISALENTO991003489449707536
Autore	Fischer, Heinz-Joachim
Titolo	L'amico tedesco : Kohl, l'Italia e il Vaticano / Heinz-Joachim Fischer ; prefazione di Helmut Kohl ; traduzione di Barbara Mennitti
Pubbl/distr/stampa	Roma : Ideazione, c1998
ISBN	888681254X
Descrizione fisica	166 p. ; 21 cm
Collana	Transizioni ; .9
Altri autori (Persone)	Mennitti, Barbara
Disciplina	943.08
Soggetti	Kohl, Helmut Kohl, Helmut
Lingua di pubblicazione	Italiano
Formato	Materiale a stampa
Livello bibliografico	Monografia

2. Record Nr.	UNINA9910141381403321
Titolo	Molecular plant immunity [[electronic resource] /] / editor, Guido Sessa
Pubbl/distr/stampa	Chichester, West Sussex ; ; Hoboken, N.J., : Wiley-Blackwell, 2013
ISBN	1-118-48143-7 1-283-70016-6 1-118-48146-1
Descrizione fisica	1 online resource (304 p.)
Classificazione	SCI008000
Altri autori (Persone)	SessaGuido
Disciplina	581.3/5
Soggetti	Plant immunology Molecular immunology
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Description based upon print version of record.
Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	Machine generated contents note: Contents List of contributors Preface 1 The rice Xa21 immune receptor recognizes a novel bacterial quorum sensing factor Pamela C. Ronald 1.1 Abstract 1.2 Introduction 1.3 Plants and animal immune systems 1.4 A plethora of immune receptors recognize conserved microbial signatures 1.5 The Ax21 conserved molecular signature: a bacterial signaling molecule 1.6 The non-RD receptor kinase Xa21 1.7 XA21-mediated signaling components 1.8 Regulation in the endoplasmic reticulum: quality control of XA21 1.9 Systems biology of the innate immune response 2 Molecular basis of effector recognition by plant NB-LRR proteins Lisong Ma, Harrold A. van den Burg, Ben J.C. Cornelissen and Frank L.W. Takken 2.1 Introduction 2.2 Building blocks of NB-LRRs; classification and structural features of subdomains 2.3 Putting the parts together: combining the domains to build a signalling competent NB-LRR protein 2.4 Stabilization and accumulation of NB-LRR proteins: their maturation and stabilisation 2.5 Pathogen recognition, how are effectors detected by NB-LRRs? 2.6 When the pathogen attacks: perception and signalling by NB-LRR proteins 2.7 Concluding remarks 3 Signal transduction pathways activated by R proteins Gitta Coaker and Douglas Baker 3.1 Introduction 3.2 R protein stability 3.3 Genetic separation of CC and TIR-NB-LRR signaling 3.4 NB-LRRs exhibit modular structure and

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Sommario/riassunto

"Molecular Plant Immunity provides an integrated look at both well-established and emerging concepts in plant disease resistance providing the most current information on this important vitally important topic within plant biology. Understanding the molecular basis of the plant immune system has implications on the development of new varieties of sustainable crops, understanding the challenges plant life will face in changing environments, as well as providing a window into immune function that could have translational appeal to human medicine. Molecular Plant Immunity opens with chapters reviewing how the first line of plant immune response is activated followed by chapters looking at the molecular mechanisms that allow fungi, bacteria, and oomycetes to circumvent those defenses. Plant resistance proteins, which provide the second line of plant immune defense, are then covered followed by chapters on the role of hormones in immunity and the mechanisms that modulate specific interaction between plants and viruses. The final chapters look at model plant-pathogen systems to review interaction between plants and fungal, bacterial, and viral pathogens. Written by a leading team of international experts, Molecular Plant Immunity will provide a needed resource to diverse research community investigated plant immunity"--
