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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"--