

Advances in Virus Research—Volume 75

Edited by

Gad Loebenstein and John P. Carr

Cover illustration: (1) Cucumber cotyledons. Right one inoculated with *Tobacco mosaic virus* showing starch lesions after removing the chlorophyll. Left cotyledon non inoculated control; (2) The bait and switch model of NB-LRR protein function, from P. Moffett; (3) a. Cucumber plant resistant to *Cucumber mosaic virus* (CMV) and b. non resistant cucumber plant of the same age; both inoculated with CMV.

Photo Credit: D. Ronen

Contents

Mechanisms of Recognition in Dominant R Gene Mediated Resistance

P. Moffett

RNA Silencing: An Antiviral Mechanism

T. Csorba, V. Pantaleo and J. Burguán

Local Lesions and Induced Resistance

G. Loebenstein

Recessive Resistance to Plant Viruses

V. Truniger and M.A. Aranda

Toward a Quarter Century of Pathogen-Derived Resistance and Practical Approaches to Plant Virus Disease Control

J. Gottula and M. Fuchs

Genetically Engineered Virus-Resistant Plants in Developing Countries: Current Status and Future Prospects

D.V.R. Reddy, M.R. Sudarshana, M. Fuchs, N.C. Rao and G. Thottappilly



ACADEMIC PRESS

An imprint of Elsevier
elsevierdirect.com

ISBN 978-0-12-381397-8



9 780123 813978