Gamma amino butyric acid controls quorum-sensing in Agrobacterium tumefaciens to affect virulence in tobacco plants (a strategy to control virulence of bacterial pathogens) report R. Chevrot and associates at CNRS, France; Tel Aviv University, Israel; and University of Guelph, Canada. (Proc. Natl. Acad. Sci. USA 103:7460-7464, 2006)

Wounding first leaves of Vicia faba reduced infection by Uromyces fabae by accumulating jasmonic acid and trihydroxy oxylipins that inhibit spore germination, report D. R. Walters and associates at Scottish Agricultural College, UK, and University of Lausanne, Switzerland. (Ann. Bot. 97:779-784, 2006)

Bacteria can travel passively and quickly from stem to leaves of grape through xylem vessels without having to cross pit membranes, report E. T. Thorne and associates at the University of California, Davis. (Am. J. Bot. 93:497-504, 2006)

Autophagic cell death of Magnaporthe grisea conidia coupled with mitotic completion is prerequisite to infection of rice, report C. Veneault-Fourrey and associates at University of Exeter, UK. (Science 312:580-583, 2006)


Colombian Datura virus was identified on tobacco in Poland, Germany, and Hungary, report J. Schubert and associates at Federal Centre for Breeding Research on Cultivated Plants, Germany; State Research Institute, Poland; and Plant Breeding and Acclimatization Institute, Poland. (J. Phytopathol. 154:343-348, 2006)

Chemotaxis is required for virulence and pathogenic fitness of Ralstonia solanacearum on tomato, report J. Yao and C. Allen, University of Wisconsin, Madison. (J. Bacteriol. 188:3697-3708, 2006)

A cold-induced cytostatin in winter wheat inhibits Microdochium nivale to favor snow mold resistance, report P. K. Christova and associates at National Agricultural Research Center, Sopporo, Japan, and AgroBioInstitute, Sofia, Bulgaria. (Planta 223:1207-1218, 2006)

More stress proteins occur in black point-free than in black point-affected wheat grains, suggesting that disease protection obtains by increasing the stress proteins, report Y. Mak and associates at University of Sydney, Macquire University, Value Added Wheat CRC Ltd., and Food Science Australia, Australia. (Mol. Plant Pathol. 7:177-189, 2006)

Grapevine Algerian latent virus on Solanum mammosum was characterized by T. Ohki and associates at National Agricultural Research Center, Tsukuba, Chiba Prefectural Agriculture Research Center, Koibuchi College of Agriculture, Ibaraki, Japan; and Federal Biological Research Centre, Braunschweig, Germany. (J. Gen. Plant Pathol. 72:119-122, 2006)

Resistance to Mi (nematode) in root-knot resistant tomato was overcome as hypersensitivity blocked installation of avirulent pathotypes without triggering hypersensitivity by virulent pathotypes, report M. T. Melillo and associates at CNR, Bari, Italy, and INRA/UNSA/CNRS, Sophia Antipolis, France. (New Phytol. 170:501-512, 2006)

DOI: 10.1094/PD-90-0839