## SWINE FLU TS THE BODY

wine flu, a strain of influmic in pigs, mutates into a eptible to humans, it enters v coming in contact and pithelial tissue, which lines , nose and other cavities.

ne epithelial tissue is the virus moves on to prophages — white blood timulate T-cells and other

ells to fight pathogens at infection. A macrophage y the virus replicates itself t the body, and also infects

ical to countering the viconnection between a viral id immunoreceptor.

oduce proinflammatory which are typically secreted cells that have encounhogen, thereby activating

cted T-cells and macro-

ing further immune cells to e system's response to it. e flu and avian flu, these

promote systemic inflamacked macrophages also nemoattractants that help vtokines into a cluster, even-

inating in a cytokine storm. and avian flu, a cytokine des the lungs like a respira-

acrophages flood the lungs ally block off the airways, hypoxia, multiple organ fail-

ath. The paradoxical twist is althier the immune system ff infection, the greater the eriencina a cytokine storm

ted with such a virus. This eaction is one theory as to

e with swine flu between f 25 to 50 in the outbreak in dying at a much greater

ther patients. The same pattern emerged during

9 Spanish flu epidemic,



