

# INFECTION AND IMMUNITY

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*Cover photograph* (Copyright © 2008, American Society for Microbiology. All Rights Reserved.): Global changes in the proteome of cells infected with the protozoan parasite *Toxoplasma gondii* are profound, especially in host mitochondria. Shown is a human foreskin fibroblast infected with *T. gondii*, revealing a section through the apical end of the parasite. Among the organelles readily apparent in the parasite are the club-shaped rhoptries, the small ovoid micronemes, and the electron-dense secretory granule. The vacuolar membrane surrounding the parasite is associated intimately with a host mitochondrion and the endoplasmic reticulum. Additional mitochondrial profiles are evident in the host cytoplasm. Evidence from this study reveals significant changes in the proteome composition of the mitochondria in infected cells. Original magnification,  $\times 14,000$ . (Related paper is M. M. Nelson, A. R. Jones, J. C. Carmen, A. P. Sinai, R. Burchmore, and J. M. Wastling, [Epub ahead of print] doi:10.1128/LAI.01115-07.)