

# JOURNAL OF VIROLOGY

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**In Vivo Fitness Costs of Different Gag CD8 T-Cell Escape Mutant Simian-Human Immunodeficiency Viruses for Macaques**

Liyen Loh, C. Jane Batten, Janka Petravic, Miles P. Davenport, and Stephen J. Kent 5418–5422

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*Cover photograph* (Copyright © 2007, American Society for Microbiology. All Rights Reserved.): High-throughput single cell analysis by multispectral imaging flow cytometry reveals that intracellular Kaposi's sarcoma-associated herpesvirus viral load correlates with the loss of immune synapse components. Two days postinfection, monoclonal antibodies detect surface expression of MHC-I (blue) on HeLa cells, while nuclear DNA is stained red with DRAQ5. Each intranuclear dot (yellow) represents monoclonal antibody detection of a multimer of LANA proteins associated with a single intracellular copy of the viral genome. (See related articles on page 5079 and in October 2006: vol. 80, issue 20, page 10073.)