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Simulating planetary atmospheres
Endocytic compartment (~600 nanometers in diameter) of a human mononuclear phagocyte revealed by electron microscopy of thin cryosections. Major histocompatibility complex (MHC) class II molecules accumulate in these multilaminar compartments, which may be the major sites where endocytosed protein antigens are encountered. CD1b (smaller, black-stained dots), a non-MHC-encoded molecule that presents bacterial lipid antigens to T cells, also localizes to these compartments. See page 349. [Image: P. J. Peters, E. van Donselaar, M. Sugita, and S. A. Porcelli]

**RESEARCH ARTICLE**

Excitation Gap in the Normal State of Underdoped Bi$_2$Sr$_2$CaCu$_2$O$_{8+\delta}$


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Role of Lipid Polymorphism in Pulmonary Surfactant


Hydrogen-Bond Breaking and Proton Exchange in Collisions of Gaseous Formic Acid with Liquid Sulfuric Acid

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The Morphogenesis of Bands and Zonal Winds in the Atmospheres on the Giant Outer Planets

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A Magnetic Signature at Io: Initial Report from the Galileo Magnetometer


Detection of Ozone on Ganymede

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Cytoplasmic Tail-Dependent Localization of CD1b Antigen-Presenting Molecules to MIIICs


Immunostimulatory DNA Sequences Necessary for Effective Intradermal Gene Immunization


The Secreted Product of Xenopus Gene lnucc Fringe, a Vertebrate Signaling Molecule

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Resistance to Apoptosis Conferred by Cdk Inhibitors During Myocyte Differentiation

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Interaction Between a Putative Mechanosensory Membrane Channel and a Collagen

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Oxynetic Photoautotrophic Growth Without Photosystem I

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Role of the Yersinia pestis Hemin Storage (hms) Locus in the Transmission of Plague by Fleas

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Modification of Phytohormone Response by a Peptide Encoded by ENOD40 of Legumes and a Nonlegume


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http://www.sciencemag.org/
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