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Colorized image of a virus (vertical length, 696 nanometers) recently isolated in Australia from horses and one human who all died of acute respiratory disease. It is a previously unknown member of the genus Morbillivirus, being a distant relation of other members such as the measles, distemper, and rinderpest viruses. See page 94 and the News story on page 32. [Photo: CSIRO Australian Animal Health Laboratory]

The Effect of H2O on the 410-Kilometer Seismic Discontinuity
B. J. Wood

Classical and Quantum Magnetic Phenomena in Natural and Artificial Ferritin Proteins
S. Gider, D. D Awschalom, T. Douglas, S. Mann, M. Chaparala

E5531, a Pure Endotoxin Antagonist of High Potency

Stretching of a Single Tethered Polymer in a Uniform Flow
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Muscle Efficiency and Elastic Storage in the Flight Motor of Drosophila
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Herbivory in Asymmetric Soft Corals
K. E. Fabricius, Y. Benayahu, A. Genin

Native Escherichia coli OmpF Porin Surfaces Probed by Atomic Force Microscopy
F. A. Schabert, C. Henn, A. Engel

A Morbillivirus That Caused Fatal Disease in Horses and Humans

A Constitutively Active Mutant PTH-PTHrP Receptor in Jansen-Type Metaphyseal Chondrodysplasia
E. Schipani, K. Kruse, H. Jüppner

Ras-Dependent Induction of Cellular Responses by Constitutively Active Phosphatidylinositol-3 Kinase

Structure of the Cell Wall Anchor of Surface Proteins in Staphylococcus aureus
O. Schneewind, A. Fowler, K. F. Faull

Antigen-Specific Development of Primary and Memory T Cells in Vivo
M. G. McHeyzer-Williams and M. M. Davis

Processing of Complex Sounds in the Macaque Nonprimary Auditory Cortex
J. P. Rauschecker, B. Tian, M. Hauser

TECHNICAL COMMENTS

Envelope V2 Configuration and HIV-1 Phenotype: Clarification

T Cell Receptor–MHC Class I Peptide Interactions: Affinity, Kinetics, and Specificity

Tracing the surfaces of a pore
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