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View westward of Lone Pine Peak (elevation 3945 meters), located on the southern Sierra Nevada crest 10 kilometers southeast of Mount Whitney. Differential rock uplift across the Sierra Nevada fault system has generated more than 2500 meters of relief between Lone Pine Peak and Owens Valley to the east. Erosion and deposition may be responsible for a large fraction of Cenozoic rock uplift in the Sierra Nevada. See page 277. [Photo: R. S. Anderson]

RESEARCH ARTICLE

Crystal Structure of the MATa1/MATα2 Homeodomain Heterodimer Bound to DNA
T. Li, M. R. Stark, A. D. Johnson, C. Wolberger

Altered DNA Recognition and Bending by Insertions in the α2 Tail of the Yeast α1/α2 Homeodomain Heterodimer
Y. Jin, J. Mead, T. Li, C. Wolberger, A. K. Vershon

REPORTS

Elastic Properties of Flux-Line Arrays
High Transition Temperature Superconductors Probed by Two-Sided Decoration
S. Yoon, Z. Yao, H. Dai, C. M. Liebert

Titins: Giant Proteins in Charge of Muscle Ultrastructure and Elasticity
S. Labeit and B. Kolmerer

Requirement for Generation of H2O2 for Platelet-Derived Growth Factor Signal Transduction

Role of Transcriptional Activation of IkBζ in Mediation of Immunosuppression by Glucocorticoids

Immunosuppression by Glucocorticoids: Inhibition of NF-κB Activity Through Induction of IkB Synthesis
N. Auphan, J. A. DiDonato, C. Rosette, A. Helmberg, M. Karin

Molluscan Diversity in the Late Neogene of Florida: Evidence for a Two-Staged Mass Extinction
E. J. Petuch

Geomorphically Driven Late Cenozoic Rock Uplift in the Sierra Nevada, California
E. E. Small and R. S. Anderson

Pseudotachylites Generated in Shock Experiments: Implications for Impact Cratering Products and Processes
P. S. Fiske, W. J. Nellis, M. Lipp, H. Lorenzana, M. Kikuchi, Y. Syono

Increased Cortical Representation of the Fingers of the Left Hand in String Players
T. Elbert, C. Pantev, C. Wienbruch, B. Rockstroh, E. Taub

Indicates accompanying feature