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Dendritic cells and T cells interact to initiate an immune response. The scanning electron microscope image shows a male dendritic cell embracing a helper T cell (lower cell, ~7 μm in diameter) that recognizes the male antigen H-Y. These same dendritic cells were used to show that a newborn mouse has a competent immune system. See page 1723 and related Reports (pages 1726 and 1728) and News story (page 1665). [Cells cultured by J. P. Ridge. Image: D. Scharf, using the S.E.M. wideband multi-detector color synthesizer].

NEONATAL TOLERANCE REVISITED: TUNING ON NEWBORN T CELLS WITH DENDRITIC CELLS
J. P. Ridge, E. J. Fuchs, P. Matzinger

INDUCTION OF PROTECTIVE CTL RESPONSES IN NEWBORN MICE BY A MURINE RETROVIRUS
M. Sarzotti, D. S. Robbins, P. M. Hoffman

INDUCTION OF T₁₂1 AND T₁₂2 IMMUNITY IN NEOnatal MICE
T. Forsthuber, H. C. Yip, P. V. Lehmann

MUTATIONS IN THE GENE ENCODING CYSTATIN B IN PROGRESSIVE MYOCLONUS EPILEPSY (EPM1)

ENHANCEMENT OF ANTIMUTAR IMMUNITY BY CTLA-4 BLOCKADE
D. R. Leach, M. F. Krummel, J. P. Allison

LIGHT-INDUCED DEGRADATION OF TIMELESS AND ENTRAINMENT OF THE DROSOPHILA CIRCADIAN CLOCK
M. P. Myers, K. Wager-Smith, A. Rothenfluh-Hilfiker, M. W. Young

RESETTING THE DROSOPHILA CLOCK BY PHOTIC REGULATION OF PER AND A PER-TIM COMPLEX
C. Lee, V. Parkih, T. Itsukachi, K. Bae, I. Edery

ABNORMAL CENTROSOMAL AMPLIFICATION IN THE ABSENCE OF P53
K. Fukasawa, T. Choi, R. Kuriyama, S. Rulong, G. F. Vande Woude

RESEARCH ARTICLE

On the Shape of C₆H₆
R. Lindner, K. Müller-Dethlef, E. Wedem, K. Haber, E. R. Grant

REPORTS

Nonlinear Spectroscopy on a Single Quantum System: Two-Photon Absorption of a Single Molecule
T. Plakhotnik, D. Walser, M. Pirotta, A. Renn, U. P. Wild

Are Single Moleculat Wires Conducting?

Gravitational Enrichment of ⁴⁰Kr/⁴⁰Ar
Ratios in Polar Ice Caps: A Measure of Firm Thickness and Accumulation Temperature
H. Craig and R. C. Wiens

River Meandering as a Self-Organization Process
H.-H. Stolzen

High-Temperature Study of Octahedral Cation Exchange in Olivine by Neutron Powder Diffraction
C. M. B. Henderson, K. S. Knight, S. A. T. Redfern, B. J. Wood

Requirement of U12 snRNA for in Vivo Splicing of a Minor Class of Eukaryotic Nuclear Pre-mRNA Introns
S. L. Hall and R. A. Padgett

Requirement for cAMP-PKA Pathway Activation by M Phase–Promoting Factor in the Transition from Mitosis to Interphase
D. Grieco, A. Porcellini, E. V. Avvedimento, M. E. Gottesman

Neonatal Tolerance Revisited: Turning on Newborn T Cells with Dendritic Cells
J. P. Ridge, E. J. Fuchs, P. Matzinger

Induction of Protective CTL Responses in Newborn Mice by a Murine Retrovirus
M. Sarzotti, D. S. Robbins, P. M. Hoffman

Induction of T₁₂1 and T₁₂2 Immunity in Neonatal Mice
T. Forsthuber, H. C. Yip, P. V. Lehmann

Mutations in the Gene Encoding Cystatin B in Progressive Myoclonus Epilepsy (EPM1)

Enhancement of Antimutar Immunity by CTLA-4 Blockade
D. R. Leach, M. F. Krummel, J. P. Allison

Light-Induced Degradation of TIMELESS and Entrainment of the Drosophila Circadian Clock
M. P. Myers, K. Wager-Smith, A. Rothenfluh-Hilfiker, M. W. Young

Resetting the Drosophila Clock by Photic Regulation of PER and a PER-TIM Complex
C. Lee, V. Parkih, T. Itsukachi, K. Bae, I. Edery

Abnormal Centrosomal Amplification in the Absence of p53
K. Fukasawa, T. Choi, R. Kuriyama, S. Rulong, G. F. Vande Woude

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Setting the circadian clock

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