Ribon drawing of the 20S proteasome from the archaebaerium Thermoplasma acidophilum as revealed by x-ray structure at 3.4 Å. The cross section of the protease complex (consisting of 28 subunits) shows a penetrating channel with three large cavities. Access to the inner cavity, which contains the 14 active sites, is controlled by narrow constrictions that allow only unfolded proteins to be cleaved. See page 533, related Perspectives beginning on page 522, and the Report on page 579. [Graphic and photo: J. Löwe, D. Stock, and R. Huber at Max-Planck-Institut für Biochemie]

REPORTS

Discovery of an Unmelted H-Chondrite
I. Casanova, T. Graf, K. Marti

Inclusion in an Iron Meteorite

DNA Solution of Hard Computational Problems
R. J. Lipton

Computation Beyond the Turing Limit
H. T. Siegelmann

Dating and Context of Three Middle Stone Age Sites with Bone Points in the Upper Semliki Valley, Zaire

A Middle Stone Age Worked Bone Industry from Katanda, Upper Semliki Valley, Zaire
J. E. Yellen, A. S. Brooks, E. Cornelissen, M. J. Mehlman, K. Stewart

Crystal Structure of DCoH, a Bifunctional, Protein-Binding Transcriptional Coactivator
J. A. Endrizzi, J. D. Cronk, W. Wang, G. R. Crabtree, T. Alber

Masking of the CBF1/RBPJκ Transcriptional Repression Domain by Epstein-Barr Virus EBNA2
J. J.-D. Hsieh and S. D. Hayward

Expression Cloning of a Protective Leishmania Antigen

Role of B61, the Ligand for the Eck Receptor Tyrosine Kinase, in TNF-α-Induced Angiogenesis
A. Pandey, H. Shao, R. M. Marks, P. J. Polverini, V. M. Dixit

How Baseball Outfielders Determine Where to Catch Fly Balls
M. K. McBeath, D. M. Shaffer, M. K. Kaiser

Potentiated Necrosis of Cultured Cortical Neurons by Neurotrophins
J.-Y. Koh, B. J. Gwag, D. Lobner, D. W. Choi

In Vivo Functional Analysis of the Ras Exchange Factor Son of Sevenless

Proteasome from Thermoplasma acidophilum: A Threonine Protease
E. Seemüller, A. Lupas, D. Stock, J. Löwe, R. Huber, W. Baumeister

TECHNICAL COMMENTS

Herpes-Like Sequences in HIV-Infected and Uninfected Kaposi’s Sarcoma Patients

Building an Associative Memory Vastly Larger than the Brain
E. B. Baum

Neurotrophins and Drug Metabolism
S. von Schmiedeberg, C. Goebel, E. Gleichmann, J. Uetrecht; R. L. Rubin

Thumbs, Tools, and Early Humans

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