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PERPECTIVE
Protein-DNA Recognition: New Perspectives and Underlying Themes
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J. Bongaarts

RESEARCH ARTICLE
Coupling of Local Folding to Site-Specific Binding of Proteins to DNA
R. S. Spolar and M. T. Record Jr.
Gene expression in living cells is often difficult to detect because of limited access of substrates to marker enzymes. Here gene expression in specific neurons of the nematode Caenorhabditis elegans is monitored by the bright green fluorescence of the green fluorescent protein (GFP) from the jellyfish Aequorea victoria. The GFP fills entire neurons, including in one neuron an extended, fanned growth cone visible in the tail end (upper portion) of the nematode. See page 802. [Photo: Martin Chalfie]

Transcriptional Activation Modulated by Homopolymeric Glutamine and Proline Stretches


Promoter-Selective Transcriptional Defect in Cell Cycle Mutant ts13 Rescued by hTAFn11250

E. H. Wang and R. Tjian

Mapping the Lectin-Like Activity of Tumor Necrosis Factor


Mesodermal Patterning by a Gradient of the Vertebrate Homeobox Gene goosecoid

C. Niehrs, H. Steinbeisser, E. M. De Robertis

Neuronal Activity During Different Behaviors in Aplysia: A Distributed Organization?


In Vivo Ca²⁺ Dynamics in a Cricket

Auditory Neuron: An Example of Chemical Computation

E. C. Sobel and D. W. Tank

Prevention of Vertebrate Neuronal Death by the crmA Gene


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Computing cricket chirps with calcium
Editor's Summary

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