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Washington focuses on technology

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Transparent surface models of the helical nucleoprotein filaments formed by the yeast RAD51 protein (top) and the bacterial RecA protein (bottom). Within RAD51 filaments, DNA (red) is extended and untwisted in a manner similar to its extension and untwisting in RecA filaments. The homology of these filaments suggests that the structures for recombination in eukaryotes are similar to those in prokaryotes. See page 1896. [Computer graphic: Edward H. Egelman]

Germ Line Transmission of a Yeast
Artificial Chromosome Spanning the Murine α1(I) Collagen Locus
W. M. Strauss, J. Dausman, C. Beard, C. Johnson, J. B. Lawrence, R. Jaenisch

Cyclin-Dependent Regulation of G1 in Mammalian Fibroblasts
M. Ohtsubo and J. M. Roberts

NF-κB Controls Expression of Inhibitor 1xBzf: Evidence for an Inducible Autoregulatory Pathway
S.-C. Sun, P. A. Ganchi, D. W. Ballard, W. C. Greene

Activity-Dependent Regulation of Conductances in Model Neurons
G. LeMasson, E. Marder, L. F. Abbott

An Essential Heparin-Binding Domain in the Fibroblast Growth Factor Receptor Kinase
M. Kan, F. Wang, J. Xu, J. W. Crabb, J. Hou, W. L. McKeehan

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1904 Expression of YAC DNA transmitted through the germ line to generate transgenic mice
Science 259 (5103), 1805-1932.