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**Cover picture:** Diploid yeast undergoing meiotic division were lysed and spread to reveal the sixteen paired chromosomes at pachytene stage. The genomic DNA is stained by DAPI (blue fluorescence), and the localization of the essential yeast protein repressor activator protein 1 (RAP1) to yeast telomeres, is visualized by anti-RAP1 and an FITC-coupled secondary antibody (yellow). Propidium iodide staining (red) preferentially stains the nucleolus by the presence of RNA. The photos were taken on a Zeiss Axiophot and superimposed by confocal microscopy. Enlargement is roughly 20,000 $\times$ . See related article by Klein et al. in volume 117, number 5, pages 935-948.

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