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About the Cover
The global distribution of meiotic crossovers can be assayed by visualizing immunolocalization patterns of MLH1, a mismatch repair protein, in early meiotic cells. Here, a late pachytene spermatocyte isolated from a 10-week old Mus caroli male is shown at ×2000 magnification. SYCP3, a component of the synaptonemal complex that holds homologous chromosomes together at meiosis, is stained in red. Sites of crossing over along the synaptonemal complex are denoted by green MLH1 foci. Centromeric proteins targeted by CREST antibodies appear blue. See Dumont and Payseur for more details (pp. 643–657).