Phase contrast photomicrograph of a Schizosaccharomyces octosporus ascus, a sac-like cell that typically contains eight spores (each ~2 micrometers across). S. octosporus and other fission yeasts are important models of eukaryote biology and have evolved a single-celled lifestyle independently from their budding yeast cousins. On page 930, Rhind et al. present a comparative genomic analysis of fission yeasts that sheds light on their genome structure and gene regulation.

Image: Dr. George Wilder/Visuals Unlimited, Inc.
RESEARCH ARTICLE

930 Comparative Functional Genomics of the Fission Yeasts
N. Rhind et al.
A combined analysis of genome sequence, structure, and expression gives insights into fission yeast biology.

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a manganese complex adsorbed on a superconducting lead surface creates a mosaic of two magnetic ground states.

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