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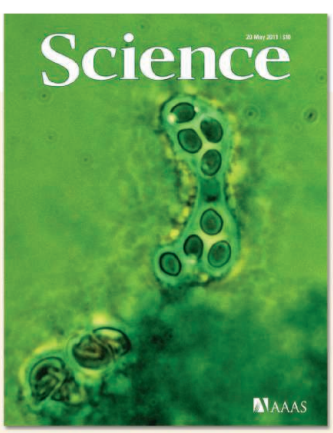

COVER

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.

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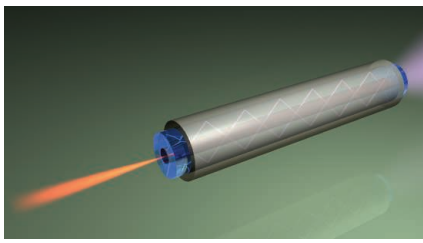

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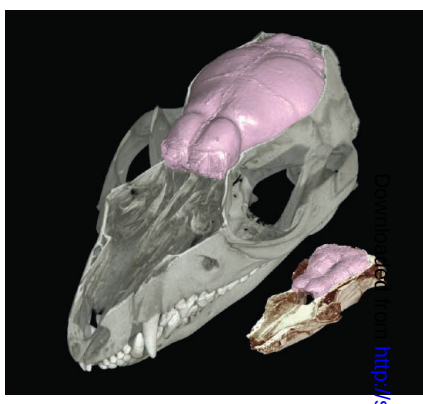

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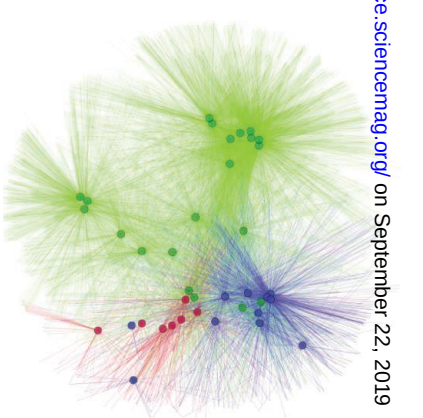

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Negative gossip about a person renders that person's face more visible to the onlooker.
10.1126/science.1201574

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Model microbial communities in mouse guts respond quickly and predictably to dietary shifts.
10.1126/science.1206025

Widespread RNA and DNA Sequence Differences in the Human Transcriptome
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