Spore-bearing fungal parasites emerge from the digested corpses of three bdelloid rotifers. These freshwater invertebrates (length <0.5 millimeters) present an evolutionary puzzle because they have reproduced without sex for millions of years but have not been driven extinct by relentlessly coevolving parasites. Bdelloids can escape fungal parasites in space and time through complete desiccation and dispersal by wind to uninfected habitats. See page 574.

Image: Kent Loeffler, Kathie T. Hodge, Chris Wilson
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Charged-Particle Probing of X-ray–Driven Inertial-Fusion Implosions
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C.-S. Hwang et al.
In vivo protein stoichiometries are regulated through N-terminally acetylated degrons.
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Purified recombinant prion protein recapitulates the characteristics of the infectious agent in prion disease.
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Decreases in stratospheric water vapor after the year 2000 slowed the rate of increase in global surface temperature.
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Next-generation high-throughput sequencing provides insight into the origin and spread of microbial pathogens.

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I. de Diego et al.
The structure of the death-associated protein kinase and calmodulin complex reveals how calmodulin binding leads to kinase activation.

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Y. Qiu et al.
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