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Researchers directly examined the transition to multicellularity—a key step in the origin of biological complexity—using this multicellular "snowflake" yeast with its cell walls fluorescing blue and a dead cell fluorescing red. Micrograph: Will Ratcliff, Georgia Institute of Technology.

Cover: A queen of the fire ant Solenopsis invicta is surrounded by her retinue of attendants, who feed her, groom her, and take away the eggs that she lays. As the only egg-laying individual in colonies as large as 250,000 workers, the queen is an egg-laying machine, composed of up to 75% ovaries by weight and laying eggs at up to one egg per minute, or her own weight in eggs every 24 hours. Coordination of the queen's fertility with the labor available for rearing the progeny is one of the many organism-like features of social insect colonies. Photograph: Walter R. Tschinkel.
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Cascading Consequences of the Loss of Large Mammals in an African Savanna
Decadal-Scale Change in a Large-River Ecosystem
The Extended (Evolutionary) Synthesis Debate: Where Science Meets Philosophy
Amplify the Signal: Graduate Training in Broader Impacts of Scientific Research
Assessing Risk of Disease Transmission: Direct Implications for an Indirect Science
The Origin of Invasive Microorganisms Matters for Science, Policy, and Management: The Case of Didymosphenia geminata
Globalizing Conservation Efforts to Save Species and Enhance Food Production
A Comment on "Bats Killed in Large Numbers at United States Wind Energy Facilities"