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Cover: Many basidiomycete fungi, such as this edible *Agaricus*, have evolved a unique mechanism to release the millions of spores produced within the mushroom cap. Spores are ejected one at a time when a tiny drop of water fuses onto the spore surface. As seen in the background, the constant rain of spores creates a beautiful imprint of the delicate lamellate structure of the mushroom cap. Noblin, Yang and Dumais (pp. 2835–2843) explain how the surface tension of water provides the energy necessary to set the spores in motion. Photo by Jacques Dumais.

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