

**Cover image:** Pictured is a scanning electron micrograph of the amoeba *Capsaspora owczarzaki*, one of the closest unicellular relatives of animals. Arnau Sebé-Pedrós et al. report that this single-celled organism's genome encodes for integrin adhesion and signaling machinery, a cell adhesion and communication complex that mediates critical interactions between cells and the extracellular matrix, which was formerly believed to be exclusive to multicellular animals. The finding suggests that some of the genes cited as crucial for the evolution of animals may have an earlier origin than previously thought. See the article by Sebé-Pedrós et al. on pages 10142–10147. Image courtesy of Arnau Sebé-Pedrós.

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