Cortexillin III is a component of Dictyostelium DGAP1–cortexillin complexes. The center image shows the accumulation of expressed GFP–cortexillin III (green) in the cleavage furrow of a cortexillin III–null cell undergoing division. In contrast, F-actin (red) concentrates at the leading edges of the two future daughter cells. The surrounding images are streams (purple, artificial color) of multiple cortexillin III–null cells. Streaming is the first stage in the Dictyostelium developmental cycle that is initiated by starvation. See the article by Liu et al. on p. 2026 of this issue of MBoC. (Image: Shi Shu, National Institutes of Health)