Time-lapse confocal images of four cells migrating in living slices of cerebral cortex from newborn ferrets. The temporal sequences are depicted in false color with the final position shown in red. The diversity of migratory pathways may disperse young neurons widely from their sites of origin. These neurons migrated approximately 10 to 25 micrometers per hour. See page 299. For additional Reports, Perspectives, and News stories that focus on the neurosciences, see This Week in Science. [Image: M. Dailey]