These images show a Drosophila S2 cell that has been induced to move on a vitronectin-coated substrate by the expression of a functional integrin. In the left image, spatiotemporal changes in cell shape are shown (from yellow to green). In the right image, focal adhesions are highlighted with different colors (from blue to red) that correspond to different time points. On p. 3861 of this issue of MBoC, Ribeiro et al. describe the induction of motility in S2 cells. The images were processed with the Focal Adhesion Analysis Server hosted by Shawn Gomez’s lab at the University of North Carolina, Chapel Hill, and with QuimP software. (Image: Susana A. Ribeiro, University of California, San Francisco)