Notochords of medaka fish embryos at 2 d postfertilization. ATF6α single-knockout and ATF6α/β double-knockout embryos carrying the PBiP-EGFP reporter gene were analyzed by confocal microscopy to visualize EGFP expression in the notochord. The disk-like chordoblasts are smoothly aligned in ATF6α single knockout (top), whereas such alignment is heavily disordered in ATF6α/β double knockout (bottom). See the article by Ishikawa et al. on p. 1387 of this issue of MBoC. (Image: Tokiro Ishikawa, Kyoto University)