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Cover picture: (Top) Phase and fluorescence micrographs of a cell pair in which intercellular cAMP diffusion was examined. For detection and identification purposes, reporter cells were transfected with SplH channels (green fluorescence) and nontransfected donor cells labeled with RFP (red fluorescence). (Bottom) Current traces showing the increase in the SplH current as a result of cAMP diffusion from the donor cell via gap junctions (see article by Kanaporis et al., 293–305).