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Cover picture: After stimulation with scatter factor/hepatocyte growth factor, wild-type MDCK cells cultured atop a three-dimensional type I collagen gel invade and form a branching tubular network (left). Overexpression of the matrix metalloproteinase, MT1-MMP, accelerates MDCK invasion and disrupts the tubulogenic program (right). Cultures are shown en face (top) and in cross-section (bottom). See related article in this issue by Hotary et al., 1309–1323.