CANCER PROMOTERS: To investigate how fat cells communicate with tumors, researchers knocked out the protein p62 in adipose tissue of a mouse model of prostate cancer ①. The lack of p62 inhibited the activity of the metabolism-regulating mTORC1 complex ② and reduced the metabolism of fats in adipose tissue ③, leaving tumor cells with more nutrients at their disposal. p62 deficiency also triggered the secretion of osteopontin (OPN), ④ a protein that promotes tumor proliferation and invasion ⑤.