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Cover picture: *Top*, Pseudocolor image of *in situ* hybridization for platelet-activating factor (PAF) receptor in the adult rat hippocampus. The gray-scale image of the dark-field photomicrograph was converted to a color image with the scale shown. The *red spots* (the most intense signals) are scattered randomly, corresponding to the distribution of microglia. *Bottom left*, Ca imaging of the rat microglia treated with PAF. *Bottom right*, Ca imaging of rat hippocampal culture treated with PAF. The responsive cells were identified as neurons by immunocytochemistry. For details, see the article by Mori et al. in this issue (pp. 3590–3600).

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