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Cover picture: Fluorescent photomicrograph of a mitotic newt lung cell in late prometaphase. This cell has been stained for the immunofluorescent localization of microtubules using a mAb against B-tubulin and an FITC-labeled secondary antibody. The chromosomes have been counter-stained with Hoechst 33342. The astral microtubules are green, the spindle is yellow, and the chromosomes are blue. A single monooriented chromosome is associated with the top spindle pole. See related article in this issue by Waters et al., 361–372.
Adhesive ligand binding to integrin α5β3 stimulates tyrosine phosphorylation of novel protein substrates before phosphorylation of pp125^Fak.

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Structures linking microfilament bundles to the membrane at focal contacts.

S. J. Samuelsson, P. W. Luther, D. W. Pumplin, and R. J. Bloch

Peptides derived from two separate domains of the matrix protein thrombospondin-I have anti-angiogenic activity.

S. S. Tolsma, O. V. Volpert, D. J. Good, W. A. Frazier, P. J. Polverini, and N. Bouck