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**Cover:** *These 4 photomicrographs are part of a project trying to identify proteins, which mediate and control the adhesion of late spermatids prior to Sertoli cells. (A) Actin is very prominent around the heads of spermatids prior to spermiation (arrowheads). The intensity and size of the product decreases just before spermiation (arrows). (B) b-Tubulin, unlike actin, is distributed radially from the basal Sertoli cell nuclei (arrowheads) to the luminal edge of the epithelium (arrows). The distributions for actin and tubulin are the same as reported in several previous publications. (C) The distribution of Vinculin, which caps actin filaments in other cell types, more closely parallels b-tubulin's distribution. It clearly encompasses both adluminal spermatids (arrowheads) as well as residual bodies (inset). (D) Paxillin, a scaffolding protein common in focal adhesions, is widely distributed in the testis. It is clearly in Sertoli cells (going from below the nucleus (\*) out to surround the adluminal spermatids [arrowheads]), as well as round spermatids, though it is less pronounced in pachytene spermatocytes. Bars = 50 μm. (See article by Wine and Chapin.)*

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