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Cover: This transmission electron micrograph depicts a section through the surface of a multiciliated epithelial cell in a mouse trachea. The image shows the transition, at levels progressively deeper in the cell (top to bottom), from the cilium proper with a "9+2" axoneme consisting of a ring of 9 outer doublet microtubules surrounding 2 central microtubules to the basal body with 9 triplet microtubules. Between the cilium and basal body is a transition zone with nine doublet microtubules connected to the surrounding membrane by Y-shaped structures. Also visible are the transition fibers and basal feet associated with the basal bodies. In an article in this issue, Jason M. Brown and George B. Witman discuss the role of cilia in various disease states. Micrograph: Karl Lechtreck, University of Georgia, Athens.
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