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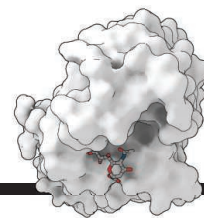
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Intraflagellar transport (IFT) in the cilium of a eukaryotic cell. IFT trains use microtubule doublets as bidirectional railways to transport ciliary building blocks. Assigning directionality to individual

microtubules ensures that trains moving forward (purple) and backward (red) do not collide. Thus, traffic jams are avoided during assembly and disassembly of the cilium. See page 721. *Illustration: C. Bickel/Science*

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