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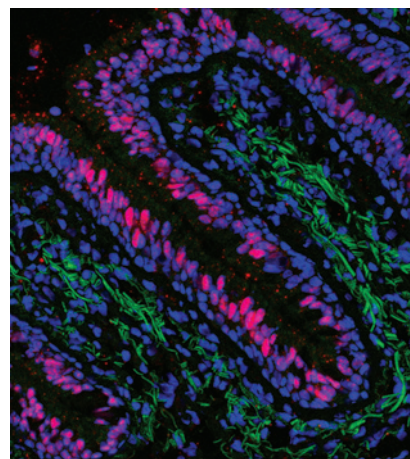
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The cover shows fluorescence *in situ* hybridization of the U6 small nuclear RNA in normal respiratory tract pseudostratified epithelial cells (*pink*). U6 is a key RNA spliceosome complex component often used as a reference gene for miRNA measurements. The *green* signal is autofluorescence of connective tissue matrix in the submucosa. miRNA classification of aerodigestive epithelial tumors can be used clinically and as a means to understand cancer pathophysiology. For details, see the article by Holt and colleagues on page 831 of this issue. (Photomicrograph by Phillip Clapp and Scott Randell; used with permission.)



Clinical Cancer Research

27 (3)

Clin Cancer Res 2021;27:657-902.

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