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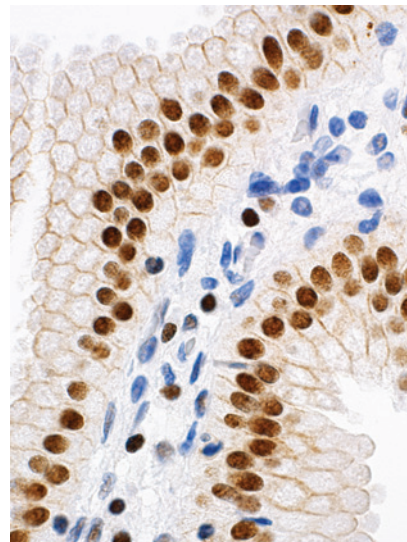


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ABOUT THE COVER

In this issue, a study by Brückmann and colleagues (beginning on page 417) demonstrates a novel epigenetic perturbation specific to premalignant and malignant cells. They show that chromosome 1q12 pericentromeric satellite DNA is epigenetically reprogrammed into a polycomb state forming subnuclear domains called polycomb bodies. The cover image shows the chromatin-associated distribution of polycomb protein BMI1 in the gallbladder, as it occurs in non-malignant tissues. This shift in epigenetic regulation of 1q12 satellite DNA presented by the authors may be used as an early diagnostic marker or new therapeutic target.



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