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The Epidermal Growth Factor Receptor Axis: Support for a New Target for Oral Premalignancy
Miriam P. Rosin and Joseph A. Califano
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Epidermal Growth Factor Receptor Expression and Gene Copy Number in the Risk of Oral Cancer
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A Novel Sulindac Derivative Lacking Cyclooxygenase-Inhibitory Activities Suppresses Carcinogenesis in the Transgenic Adenocarcinoma of Mouse Prostate Model
Yong Zhang, Jinhui Zhang, Lei Wang, Emily Quealy, Bernard D. Gary, Robert C. Reynolds, Gary A. Piazza, and Junxuan Lü
ABOUT THE COVER

The cover features a histology section of a biopsy specimen from an oral premalignant lesion (OPL) stained with an epidermal growth factor receptor (EGFR)-specific antibody and counterstained with hematoxylin (200x magnification; Ariol-platform image courtesy of Sufi Thomas). The strong expression of EGFR (brown) predominantly occurs in the basal layer of the epithelium; connective tissue does not express EGFR (mottled blue). EGFR abnormalities are associated with oral tumorigenesis and progression. As reported in this issue of the journal, EGFR-expression and gene copy-number changes were evaluated (immunohistochemistry for expression, fluorescence in situ hibridization for copy number) as markers of an OPL's increased risk for progressing to oral cancer in a randomized controlled clinical trial. See articles by Benchekroun et al. (beginning on page 800) and Rosin and Califano (beginning on page 797) for more information.