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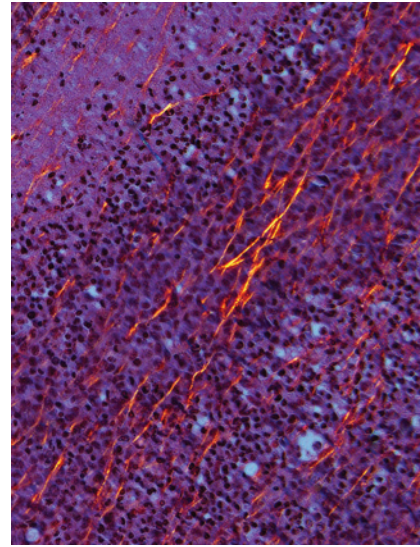
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ABOUT THE COVER

In hypoxic regions of breast cancers, HIF-1 activates transcription of the *PLOD2* gene, which encodes a procollagen lysyl hydroxylase that modifies type I collagen prior to its secretion into the extracellular matrix. Human breast cancer cells were implanted into the mammary fat pad of immunodeficient mice and the resulting tumors were sectioned, stained with picrosirius red, and viewed under polarized light, which revealed increased fibrillar collagen in regions of intratumoral hypoxia. The collagen fibers promote breast cancer invasion and metastasis. For details, see the article by Gilkes and colleagues on page 456.



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