Cancer Research

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AACR American Association for Cancer Research

February 1, 2017 • Volume 77 • Number 3

BREAKING ADVANCES

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MICROENVIRONMENT AND IMMUNOLOGY

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TUMOR AND STEM CELL BIOLOGY

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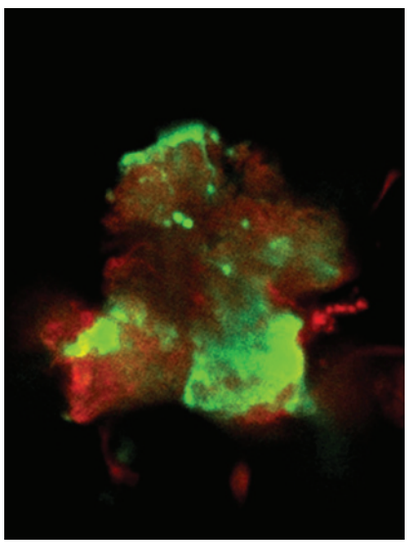
ABOUT THE COVER

When the metastasis-inducing protein S100A4 is overexpressed in human cancers, it is often associated with poor prognosis. In a *Drosophila* model where protein expression is directed exclusively to the optic lobes, oncogenic Ras^{Val12} produces GFP-labeled tumors within these structures (green fluorescence), but when coexpressed with S100A4, these tumors disseminate to the ventral nerve chord and elsewhere in the fly. Genetic and chemical blockades establish a metastatic pathway leading from S100A4 to a matrix metalloproteinase, MMP (red fluorescence). In human breast cancer, certain MMPs are coexpressed with S100A4 and are also associated with premature demise of patients from metastatic cancer. For details, see article by Ismail and colleagues on page 780.



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The Journal of Cancer Research (1916–1930) | The American Journal of Cancer (1931–1940)

77 (3)

Cancer Res 2017;77:591-812.

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