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J. Sun, D.N. Tong, T. Fu, and P. Sharma
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Précis: A pathway-based analysis of a genome-wide association study identifies a squamous cell lung carcinoma susceptibility locus harboring the RAD52 gene.
For more News and Research Watch, visit Cancer Discovery online at www.AACR.org/CDnews. Online-only News stories include the following:

• NCATS Is Out of the Bag
• Putting Tumors to the Blood Test
• Immune Cells May Promote Skin Cancer
• Web Applications Aid Clinical Trial Recruitment

ON THE COVER

McKie and colleagues show that OPCML expression is silenced in multiple tumor types, including the vast majority of high-grade serous ovarian tumors, and correlates with poor prognosis. They further establish an extracellular mechanism of OPCML-mediated tumor suppression through negative regulation of a specific group of receptor tyrosine kinases (RTK). Through binding to RTK extracellular domains, OPCML induces RTK membrane redistribution, internalization, and degradation. Recombinant OPCML down-regulated the same RTKs in vivo and inhibited ovarian cancer cell growth, suggesting that extracellular protein therapy may be useful in the treatment of OPCML-deficient tumors. For details, please see the article by McKie and colleagues on page 156.