

# CANCER DISCOVERY CONTENTS

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*Lewis C. Cantley, PhD, and José Baselga, MD, PhD, Editors-in-Chief*

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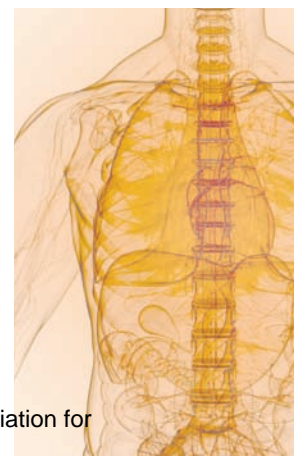
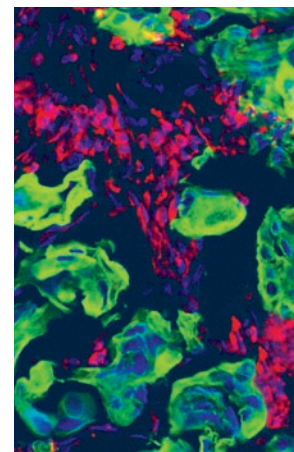
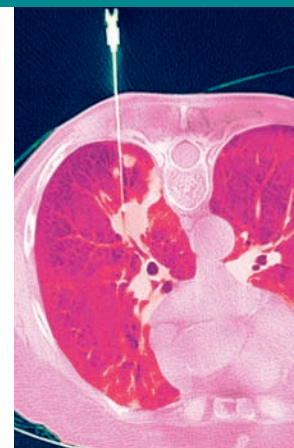
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S. Gupta, C. M. Alden, S. Liu, X. Tang,  
F. R. Khuri, H. T. Tran, B. E. Johnson,  
J. V. Heymach, L. Mao, F. Fossella,  
M. S. Kies, V. Papadimitrakopoulou,  
S. E. Davis, S. M. Lippman, and W. K. Hong*

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*D. G. DeNardo, D. J. Brennan, E. Rexhepaj,  
B. Ruffell, S. L. Shiao, S. F. Madden, W. M.  
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H. S. Rugo, E. S. Hwang, K. Jirström, B. L. West,  
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**Précis:** Tumor immune microenvironment plays an important role in the response to chemotherapy.

**A Novel Two-Stage, Transdisciplinary  
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*E. A. Platz, S. Yegnasubramanian, J. O. Liu,  
C. R. Chong, J. S. Shim, S. A. Kenfield,  
M. J. Stampfer, W. C. Willett, E. Giovannucci,  
and W. G. Nelson*

**Précis:** The cardiac glycoside digoxin is identified as a possible therapeutic for prostate cancer.

**Mutations in the DDR2 Kinase  
Gene Identify a Novel Therapeutic  
Target in Squamous Cell Lung  
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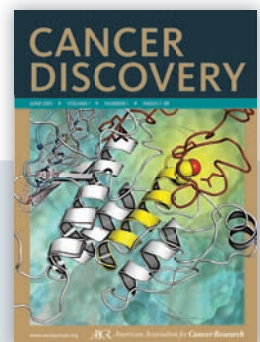


*P. S. Hammerman, M. L. Sos, A. H. Ramos, C. Xu,  
A. Dutt, W. Zhou, L. E. Brace, B. A. Woods, W. Lin,  
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C. Brambilla, P. Lorimier, O. T. Brustugun, Å. Helland,  
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M. S. Tsao, M. Hanna, C. Hatton, M. J. Eck,  
P. A. Janne, B. E. Johnson, W. Winckler, H. Greulich,  
A. J. Bass, J. Cho, D. Rauh, N. S. Gray, K-K. Wong,  
E. B. Haura, R. K. Thomas, and M. Meyerson*

**Précis:** DDR2 kinase is identified as a therapeutic target in squamous cell lung cancer, a disease for which no targeted therapies currently exist.

**ON THE  
COVER**

A structural model shows dasatinib bound to the discoidin domain receptor 2 (DDR2) kinase. Hammerman and colleagues identified DDR2 as a potential therapeutic target in a subset of lung squamous cell carcinomas (SCC). They also found that dasatinib inhibited DDR2, and they observed a clinical response in one patient. These findings warrant further clinical evaluation of this drug and target in a subset of SCC patients. For details, please see the article by Hammerman and colleagues on page 78.



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