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#### REVIEW

**1265** The Key Role of Calmodulin in KRAS-Driven Adenocarcinomas  
Ruth Nussinov, Serena Muratcioglu, Chung-Jung Tsai, Hyunbum Jang, Attila Gursoy, and Ozlem Keskin

#### CELL DEATH AND SURVIVAL

**1274** VEGFR-1 Pseudogene Expression and Regulatory Function in Human Colorectal Cancer Cells  
Xiangcang Ye, Fan Fan, Rajat Bhattacharya, Seth Bellister, Delphine R. Boulbes, Rui Wang, Ling Xia, Cristina Ivan, Xiaofeng Zheng, George A. Calin, Jing Wang, Xionghin Lu, and Lee M. Ellis

**1283** Ca^{2+}-Activated IK K^{+} Channel Blockade Radiosensitizes Glioblastoma Cells  
Benjamin Stegen, Lena Butz, Lukas Klumpp, Daniel Zips, Klaus Dittmann, Peter Ruth, and Stephan M. Huber

#### DNA DAMAGE AND REPAIR

**1296** Suppression of Reserve MCM Complexes Chemosensitizes to Gemcitabine and 5-Fluorouracil  
Victoria L. Bryant, Roy M. Elias, Susan M. McCarthy, Timothy J. Yeatman, and Mark G. Alexandrow

#### GENOMICS

**1306** Patient Mutation Directed shRNA Screen UnCOVERS Novel Bladder Tumor Growth Supressors  
Jonathan Hensel, Jason E. Dues, Charles Owens, Garrett M. Dancik, Michael G. Edwards, Henry F. Frierson, and Dan Theodorescu

**1316** E2F4 Program Is Predictive of Progression and Intravesical Immunotherapy Efficacy in Bladder Cancer  
Chao Cheng, Frederick S. Varn, and Carmen J. Mansit

#### ONCOGENES AND TUMOR SUPPRESSORS

**1325** Biochemical and Structural Analysis of Common Cancer-Associated KRAS Mutations  
John C. Hunter, Anuj Manandhar, Martin A. Carraico, Deepak Gurbani, Sudershan Gondi, and Kenneth D. Westover

**1336** PKC{\varepsilon} Is an Essential Mediator of Prostate Cancer Bone Metastasis  
Alvaro Gutierrez-Uzquiza, Cynthia Lopez-Haber, Danielle L. Jermain, Alessandro Fatatis, and Marcelo G. Kazanian

#### SIGNAL TRANSDUCTION

**1347** miR-181a Targets RGS16 to Promote Chondrosarcoma Growth, Angiogenesis, and Metastasis  
Xiaojuan Sun, Cherie Charbonneau, Lei Wei, Qian Chen, and Richard M. Terek
ABOUT THE COVER

The 1.1 Å x-ray crystal structure of oncogenic KRAS G13D, reported by Hunter and colleagues (p.1325), reveals a destabilizing interaction between the aspartate side-chain and GDP. The calculated electrostatic potential surface map highlights the negative charge (red) introduced by the aspartate, which disrupts the normally positively charged (blue) nucleotide binding pocket and repels adjacent negatively charged phosphates in GDP, explaining the enhanced rate of nucleotide exchange observed for this mutant.