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Molecular Cancer Therapeutics
Phase I Study of Pazopanib in Combination with Paclitaxel and Carboplatin Given Every 21 Days in Patients with Advanced Solid Tumors
Howard A. Burris III, Afshin Dowlati, Rebecca A. Moss, Jeffrey R. Infante, Suzanne F. Jones, David R. Spigel, Kelly T. Levinson, Diana Lindquist, Shelby D. Gainer, Mohammed M. Dar, A. Benjamin Suttle, Howard A. Ball, and Antoinette R. Tan

Inhibition of Dendritic Cell Maturation by the Tumor Microenvironment Correlates with the Survival of Colorectal Cancer Patients following Bevacizumab Treatment
Adriana J. Michielsen, Sinead Noonan, Petra Martin, Miriam Tosetto, Joseph Marry, Monika Biniecka, Aoife A. Maguire, John M. Hyland, Kieran D. Sheahan, Diarmuid P. O’Donoghue, Hugh E. Mulcahy, David Fennelly, Elizabeth J. Ryan, and Jacintha N. O’Sullivan

ABOUT THE COVER
The polo-box domain (PBD) has critical roles in the mitotic functions of PLK1. Fragment ligated inhibitory peptides (FLIP) were generated with comparable affinity to peptide PBD inhibitors and possess antiproliferative phenotypes in cells consistent with the observed decrease in PLK1 centrosomal localization. FLIPs induced monopolar and multipolar spindles, in contrast to previously reported small molecule PBD inhibitors that display phenotypes only partially representative of PLK1 knockdown. PBD inhibitors retain high specificity for PLK1 over PLK3 and show the promise of non-ATP competitive kinase inhibitors as antitumor therapeutics. For details, see the article by McInnes and colleagues on page 1683.