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A Novel Small Molecule Aurora Kinase Inhibitor Attenuates Breast Tumor-Initiating Cells and Overcomes Drug Resistance

NEO212, Temozolomide Conjugated to Perillyl Alcohol, Is a Novel Drug for Effective Treatment of a Broad Range of Temozolomide-Resistant Gliomas

MECHANISM AND EFFICACY OF SUB–50-nm Tenfibgen Nanocapsules for Cancer Cell–Directed Delivery of Anti-CK2 RNAi to Primary and Metastatic Squamous Cell Carcinoma

LARGE MOLECULE THERAPEUTICS

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Simon Brack, Isabella Attinger-Toller, Babette Schade, Frédéric Mourlane, Kristina Klupsch, Richard Woods, Helen Hachemi, Ulrike von der Bey, Susann Koenig-Friedrich, Julian Bertschinger, and Dragan Grabulovski

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2104  Chemogenetic Evaluation of the Mitotic Kinesin CENP-E Reveals a Critical Role in Triple-Negative Breast Cancer
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MODELS AND TECHNOLOGIES

2116  Biochemical Assays for the Discovery of TDP1 Inhibitors

ABOUT THE COVER

Upregulation of HER2 is a hallmark of 20% to 30% of invasive breast cancers, rendering this receptor an attractive target for cancer therapy. Based on the FDA-approved antibody pertuzumab, we have created a panel of bispecific FynomAbs that target two epitopes on HER2. Confocal laser scanning microscopy performed with HER2-positive NCI-N87 cells showed that bispecific FynomAb COVA208 was able—in contrast to pertuzumab and trastuzumab—to relocalize to the intracellular area after five hours of incubation, appearing in a punctate pattern typically seen for internalized drugs. For details, see article by Brack and colleagues on page 2030.
Molecular Cancer Therapeutics

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