Current Preclinical Models for the Advancement of Translational Bladder Cancer Research
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Ezia Bello, Giulia Taraboletti, Gennaro Colella, Massimo Zucchetti, Daniele Forestieri, Simonetta A. Licandro, Alexander Berndt, Petra Richter, Maurizio D’Incalci, Ennio Cavalletti, Raffaella Giavazzi, Gabriella Camboni, and Giovanna Damia

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EGFR Exon 20 Insertion Mutations in Lung Adenocarcinomas: Prevalence, Molecular Heterogeneity, and Clinicopathologic Characteristics
Maria E. Arcila, Khedoudja Nafa, Jamie E. Chaft, Natasha Rekhtman, Christopher Lau, Boris A. Reva, Maureen F. Zakowski, Mark G. Kris, and Marc Ladanyi
**Antitumor Activity and Pharmacodynamic Biomarkers of a Novel and Orally Available Small-Molecule Antagonist of Inhibitor of Apoptosis Proteins**

Hiroyuki Sumi, Masato Yabuki, Kenichi Iwai, Megumi Morimoto, Ryosuke Hibino, Masakazu Inazuka, Kentaro Hashimoto, Yohei Kosugi, Kazunobu Aoyama, Shunsuke Yamamoto, Mie Yoshimatsu, Hideki Yamasaki, Ryuichi Tozawa, Tomoyasu Ishikawa, and Sei Yoshida

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**ABOUT THE COVER**

In silico molecular modeling of the EGFR exon 20 A763_Y764 insertion mutation. Mutations in this region are predicted to cause significant rearrangement of the C helix (yellow) but do not affect the erlotinib binding pocket directly (erlotinib shown in green). Insertions in EGFR exon 20 that are more distal (3') are expected to result in a greater obstructive effect on erlotinib binding. These predictions suggest a basis for the observed variability of response to EGFR inhibition in patients with different types of EGFR exon 20 insertions. For details, see article by Arcila and colleagues on page 220.