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MOLECULAR MEDICINE IN PRACTICE

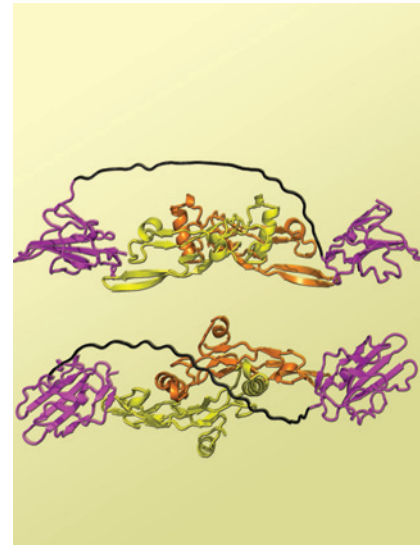
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The Association of PI3 Kinase Signaling and Chemoresistance in Advanced Ovarian Cancer

Craig P. Carden, Adam Stewart, Parames Thavas, Emma Kipps, Lorna Pope, Mateus Crespo, Susana Miranda, Gerhard Attard, Michelle D. Garrett, Paul A. Clarke, Paul Workman, Johann S. de Bono, Martin Gore, Stan B Kaye, and Uday Banerji

ABOUT THE COVER

Deregulation of TGF- β superfamily signaling is a causative factor in many diseases. Bivalent single-chain traps that neutralize TGF- β family ligands (green and orange) were rationally designed using native intrinsically disordered regions as linkers (black) between two cognate receptor binding domains (magenta). TGF- β traps designed by this innovative strategy can achieve similar or better *in vitro* potency and *in vivo* tumor growth inhibition compared to a neutralizing antibody, indicating their promising therapeutic potential. For details, see article by Zwaagstra and colleagues on page 1477.



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