

**COMPUTATIONAL VALIDATION OF THE IMPORTANCE OF  
STEREOCHEMISTRY IN VIRTUAL SCREENING: STEREOCHEMISTRY  
REARS ITS UGLY HEAD.** Wayne C. Guida, Wesley H. Brooks, Kenyon G.

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Consideration of stereochemistry early in the identification of lead compounds can improve the efficiency and efficacy of the drug discovery process. Proper enumeration of the relevant stereoisomers in general, and enantiomeric pairs in particular, of chiral compounds contained within 3D databases, is crucial if one is to use virtual screening as an effective drug discovery tool. The impact of the neglect of enantiomeric pairs on the virtual screening of compounds against MDM2, which is the product of a proto-oncogene, will be described.