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#### Cover Story

The featured review in this issue of *Drug Discovery Today*, by Timothy J. Ritchie and Simon J.F. Macdonald, examines the relationship between the number of aromatic and heteroaromatic rings upon a number of factors that can have a critical impact upon the ability of a compound to be developed. Such parameters include physicochemical factors such as aqueous solubility and lipophilicity; in addition, the influence upon PKPD properties such as serum albumin binding and cytochrome P450 inhibition are also considered, as are safety parameters, including hERG inhibition. The article highlights which factors are most significant in the attrition of compounds in development.

# DRUG DISCOVERY TODAY

## REVIEWS

### KEYNOTE

- 1011 The impact of aromatic ring count on compound developability – are too many aromatic rings a liability in drug design?**

*Timothy J. Ritchie and Simon J.F. Macdonald*

### GENE TO SCREEN

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*Marcus Bantscheff, Arjen Scholten and Albert J.R. Heck*

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*Ahmad Reza Mehdipour and Mehrdad Hamidi*

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- 1058 Dihydropyridines: evaluation of their current and future pharmacological applications**

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- 1067 Novel formulation approaches for optimising delivery of anticancer drugs based on P-glycoprotein modulation**

*Tripta Bansal, Naseem Akhtar, Manu Jaggi, Roop K. Khar and Sushama Talegaonkar*