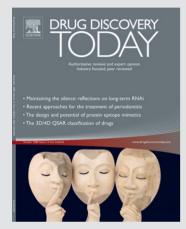


### **November 2008**

Volume 13 · Numbers 21/22 pp. 909–1012



#### **Cover Story**

The featured review in this issue of Drug Discovery Today, by Koen Raemdonck, Roosmarijn E. Vandenbroucke, Joseph Demeester and Niek N. Sanders and Stefaan C. De Smedt, discusses how, in the years since the demonstration of RNA interference (RNAi)in mammalian cells, a huge effort has been devoted to developing RNAi as a viable therapeutic platform. Since many of the targets that can be addressed with RNAi will of necessity require chronic administration, it is generally agreed that emphasis on the safe, long term application of drugs based around this approach will be necessary to achieve a return on a large inventive and financial investment.

# DRUG DISCOVERY TO DAY

# **REVIEWS**

### **KEYNOTE**

# 917 Maintaining the silence: reflections on long-term RNAi

Koen Raemdonck, Roosmarijn E. Vandenbroucke, Joseph Demeester, Niek N. Sanders and Stefaan C. De Smedt

# 932 Recent approaches for the treatment of periodontitis

Nilu Jain, Gaurav K. Jain, Shamama Javed, Zeenat Iqbal, Sushama Talegaonkar, Farhan J. Ahmad and Roop K. Khar

### **GENE TO SCREEN**

944 The design, structures and therapeutic potential of protein epitope mimetics

John A. Robinson, Steve DeMarco, Frank Gombert, Kerstin Moehle and Daniel Obrecht

## **INFORMATICS**

952 Principles for 3D/4D QSAR classification of drugs

Vladimir Potemkin and Maria Grishina

# **POST SCREEN**

- 960 New challenges for pharmaceutical formulations and drug delivery systems characterization using isothermal titration calorimetry

  Kawthar Bouchemal
- **973** New therapeutics for the prevention and reduction of scarring
  Nick L. Occleston, Sharon O'Kane, Nick Goldspink and Mark W.J. Ferguson
- 982 The heterozygous Sod2<sup>+/-</sup> mouse: modeling the mitochondrial role in drug toxicity

Urs A. Boelsterli and Chin-Ju J. Hsiao

989 MEMS technology for nanobio research

Dominique Collard, Shoji Takeuchi and Hiroyuki Fujita

997 Drug discovery: are productivity metrics inhibiting motivation and creativity?

Fredrik Ullman and Roman Boutellier

1002 Doxorubicin coupled to lactosaminated human albumin: a hepatocellular carcinoma targeted drug

Luigi Fiume, Michele Baglioni, Luigi Bolondi, Claudio Farina and Giuseppina Di Stefano

