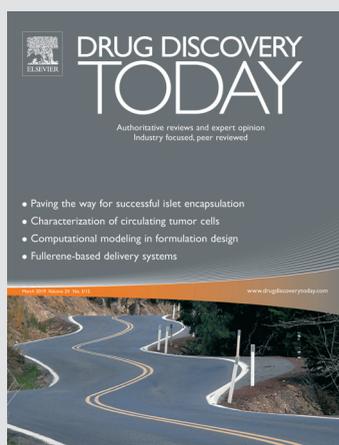




March 2019

Volume 24 Number 3
pp. 665–930



Cover Story

The lead story in this issue of *Drug Discovery Today* is by Nikos Dimitrioglou, Maria Kanelli, Efstathia Papageorgiou, Theodore Karatzas and Dimitris Hatzivramidis and is entitled: "Paving the way for successful islet encapsulation". The authors describe the most recently developed strategies for islet encapsulation with respect to the treatment of type 1 diabetes mellitus treatment aiming at efficient insulin production and delivery

DRUG DISCOVERY TODAY

EDITORIAL

- 665 Behavior, experience, skill, and training (BEST): a four-pillar framework for career development in science**
Rebecca Ashkenazy

PERSPECTIVE

FEATURE

- 668 An approach towards enhancement of a screening library: The Next Generation Library Initiative (NGLI) at Bayer — against all odds?**
Markus Follmann, Hans Briem, Andreas Steinmeyer, Alexander Hillisch, Monika H. Schmitt, Helmut Haning and Heinrich Meier
- 673 When more isn't merrier: pharmaceutical alliance networks and breakthrough innovation**
John Qi Dong and Killian J. McCarthy
- 678 Acceleration of rare disease therapeutic development: a case study of AGIL-AADC**
Sonya Das, Samuel Huang and Andrew W. Lo

REVIEWS

FOUNDATION

- 685 Emerging role of histone deacetylase inhibitors as anti-breast-cancer agents**
Meran Keshawa Ediriweera, Kamani Hemamala Tennekoon and Sameera Ranganath Samarakoon

KEYNOTE

- 703 TGF and BMPRII signalling pathways in the pathogenesis of pulmonary arterial hypertension**
Birger Tielemans, Marion Delcroix, Catharina Belge and Rozenn Quarck
- 717 Quality-by-design approach as a systematic tool for the development of nanopharmaceutical products**
Sarwar Beg, Mahfoozur Rahman and Kanchan Kohli
- 726 Repurposing host-based therapeutics to control coronavirus and influenza virus**
Cui-Cui Li, Xiao-Jia Wang and Hwa-Chain Robert Wang
- 737 Paving the way for successful islet encapsulation**
Nikos Dimitrioglou, Maria Kanelli, Efstathia Papageorgiou, Theodore Karatzas and Dimitris Hatzivramidis
- 749 Functionalized nanographene oxide in biomedicine applications: bioinspired surface modifications, multidrug shielding, and site-specific trafficking**
Hao Cheng, Khalid Gadora, Zhen Wang, Huaqing Zhang, Wenxin Jiang, Xin Chen, Guochen Han, Yi Jin, Jianping Zhou, Lei Jiang and Yang Ding