



Journal of Controlled Release Vol. 226, 2016

Contents

COVER STORY

Isolated lung model for assessing drug absorption from PLGA microparticles

Kinam Park

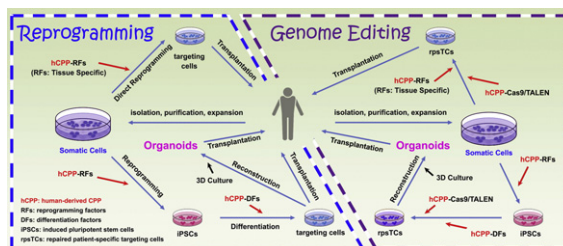
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REVIEWS

Emerging landscape of cell penetrating peptide in reprogramming and gene editing

Huiting Liu, Fanhui Zeng, Ming Zhang, Fajun Huang, Jiajun Wang **, Jingjing Guo, Changbai Liu ***, Hu Wang *

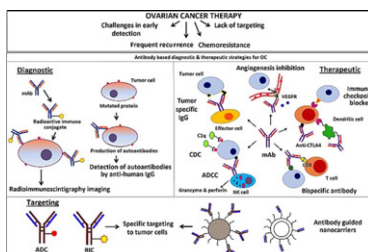
pp 124–137



Role of antibodies in diagnosis and treatment of ovarian cancer: Basic approach and clinical status

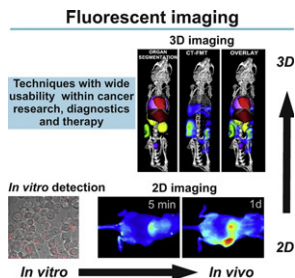
Priyanka Bhatt, Imran Vhora, Sushilkumar Patil, Jitendra Amrutiya, Chandrali Bhattacharya, Ambikanandan Misra *, Rajashree Mashru *

pp 148–167



Fluorescence optical imaging in anticancer drug delivery

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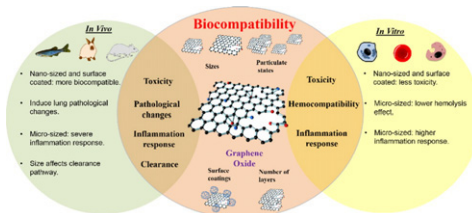
Tomáš Etrych^{*}, Henrike Lucas, Olga Janoušková, Petr Chytil, Thomas Mueller, Karsten Mäder

Assessing biocompatibility of graphene oxide-based nanocarriers: A review

pp 217–228

Siaw Fui Kiew, Lik Voon Kiew^{*}, Hong Boon Lee, Toyoko Imae, Lip Yong Chung^{*}

This paper discusses how the properties of graphene oxide and surface coatings affect its *in vitro* and *in vivo* behavior. It also highlights the challenges and future perspective in their development.



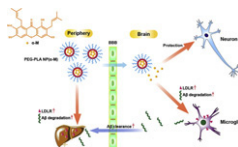
RESEARCH PAPERS

Nanoformulated alpha-mangostin ameliorates Alzheimer's disease neuropathology by elevating LDLR expression and accelerating amyloid-beta clearance

pp 1–14

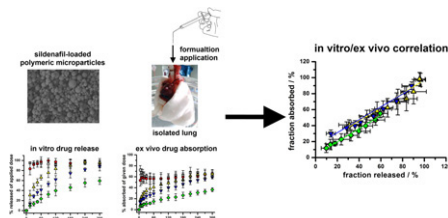
Lei Yao, Xiao Gu, Qingxiang Song, Xiaolin Wang, Meng Huang, Meng Hu, Lina Hou, Ting Kang, Jun Chen, Hongzhan Chen^{*}, Xiaoling Gao^{*}

Alpha-mangostin was encapsulated into poly(ethylene glycol)-poly(L-lactide) nanoparticles, which guaranteed its *in vivo* application to ameliorate Alzheimer's disease neuropathology by elevating LDLR expression and accelerating amyloid-beta clearance.



Potential of the isolated lung technique for the examination of sildenafil absorption from lung-delivered poly(lactide-co-glycolide) microparticles

pp 15–20

Moritz Beck-Broichsitter^{*}, Katharina Stoisiak, Adam Bohr, Leticia Aragão-Santiago, Tobias Gessler, Werner Seeger, Thomas Kissel

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