



Journal of Controlled Release Vol. 198, 2015

Contents

COVER STORY

Triglyceride micro-emulsion for detoxification of acute pharmacotoxicity

p 104

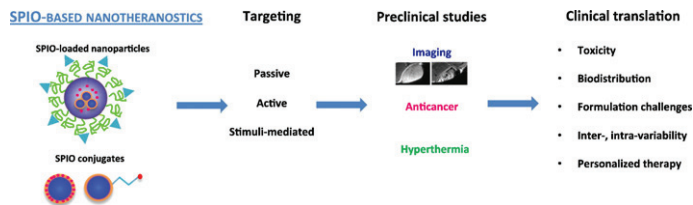
Kinam Park

REVIEW

Iron oxide-loaded nanotheranostics: Major obstacles to in vivo studies and clinical translation

pp 35–54

Nathalie Schleich, Fabienne Danhier, Véronique Pr at *

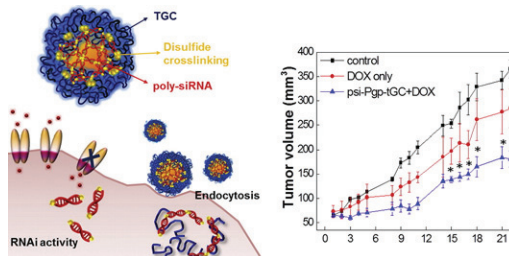


RESEARCH PAPERS

Cancer-targeted MDR-1 siRNA delivery using self-cross-linked glycol chitosan nanoparticles to overcome drug resistance

pp 1–9

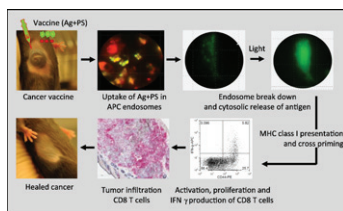
Ji Young Yhee, Seungyong Song, So Jin Lee, Sung-Gurl Park, Ki-Suk Kim, Myung Goo Kim, Sejin Son, Heebeom Koo, Ick Chan Kwon, Ji Hoon Jeong, Seo Young Jeong, Sun Hwa Kim *, Kwangmeyung Kim *



Photosensitisation facilitates cross-priming of adjuvant-free protein vaccines and stimulation of tumour-suppressing CD8 T cells pp 10–17

Monika Håkerud, Pål K. Selbo, Ying Waeckerle-Men, Emmanuel Contassot, Piotr Dziunycz, Thomas M. Kündig, Anders Høgset, Pål Johansen*

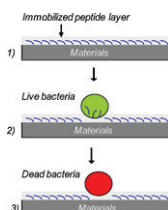
Cancer vaccination with protein antigen (Ag) and photosensitiser (PS) trigger disruption of endosomes, MHC class-I presentation and cross priming of antigen for stimulation of anti-tumoural CD8 T-cell responses.

**Bacteria responsive antibacterial surfaces for indwelling device infections**

pp 18–25

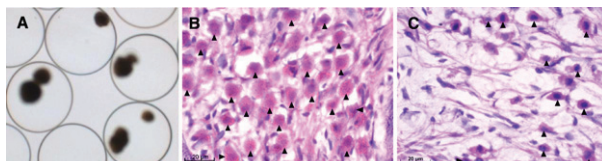
Christian Traba, Jun F. Liang*

Biofilm associated indwelling device infections represent life-threatening circumstances. Current antibiotic impregnation approaches through sustained antibiotic release have some unsolved problems. In this study, bacteria responsive anti-biofilm surfaces were developed using peptides with proved activity to antibiotic resistant bacteria and biofilms. Bacteria responsible catheters maintained biofilm free during a week of continuous cultivation.

**Cell-based neurotrophin treatment supports long-term auditory neuron survival in the deaf guinea pig**

pp 26–34

Lisa N. Gillespie*, Mark P. Zanin, Robert K. Shepherd

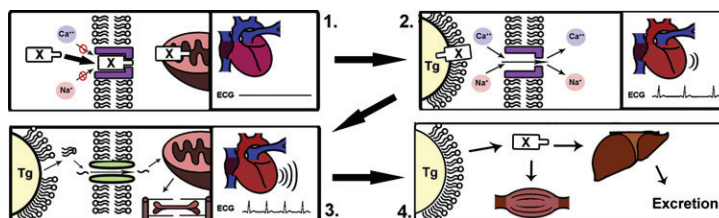


A) Encapsulated BDNF-expressing fibroblasts (eBDNF-Fbs). (B) eBDNF-Fbs implanted into the deaf guinea pig cochlea enhanced auditory neuron (AN) survival in comparison to (C) empty capsules. ANs are indicated by arrows.

Multi-modal contributions to detoxification of acute pharmacotoxicity by a triglyceride micro-emulsion

pp 62–70

Michael R. Fettiplace, Kinga Lis, Richard Ripper, Katarzyna Kowal, Adrian Pichurko, Dominic Vitello, Israel Rubinstein, David Schwartz, Belinda S. Akpa*, Guy Weinberg*



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