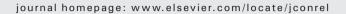
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# Journal of Controlled Release





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#### **COVER STORY**

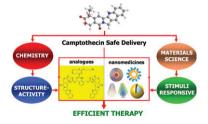
Megakaryocytic microparticles for targeted delivery to hematopoietic stem cells Kinam Park

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#### **REVIEWS**

Safe approaches for camptothecin delivery: Structural analogues and nanomedicines Pablo Botella \*, Eva Rivero-Buceta

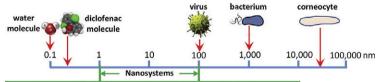
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#### Topical and cutaneous delivery using nanosystems

MS Roberts \*, Y Mohammed, MN Pastore, S Namjoshi, S Yousef, A Alinaghi, IN Haridass, E Abd, VR Leite-Silva, HAE Benson, JE Grice

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- > can be fabricated to access deeper skin layers (e.g. nanoemulsions, flexible liposomes ( ± chemical /physical enhancement)
- > follicular penetration for drug release or direct VE access (e.g. vaccination)
- > accumulate in furrows and release drugs for skin penetration?

#### Nanomedicines for dysfunctional macrophage-associated diseases

Hongliang He, Shobha Ghosh \*, Hu Yang \*\*

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#### RESEARCH PAPERS

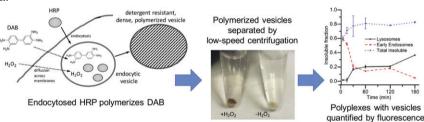
How do megakaryocytic microparticles target and deliver cargo to alter the fate of hematopoietic stem cells? Jinlin Jiang, Chen-Yuan Kao, Eleftherios T. Papoutsakis \*

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Ligand-receptor Interaction Fusion Endocytosis

#### Rapid and facile quantitation of polyplex endocytic trafficking

Mihael Lazebnik, Daniel W. Pack \*

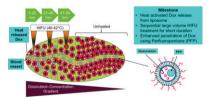


# Sequential HIFU heating and nanobubble encapsulation provide efficient drug penetration from stealth and temperature sensitive liposomes in colon cancer

pp 55-63

Joshua VanOsdol, Kalyani Ektate, Selvarani Ramasamy, Danny Maples, Willie Collins, Jerry Malayer, Ashish Ranjan\*

Schematic illustration of Doxorubicin (dox) delivery regulated by zonal administration of High Intensity Focused Ultrasound (HIFU) across mouse colon tumor.



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