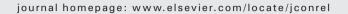
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The Third Symposium on Innovative Polymers for Controlled Delivery, September 16-19, 2014, Suzhou, China Zhiyuan Zhong, Jan Feijen

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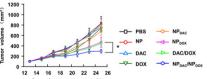
Professor Jan Feijen: A pioneer in biomedical polymers and controlled drug release **Zhiyuan Zhong**

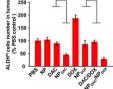
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Combination therapy with epigenetic-targeted and chemotherapeutic drugs delivered by nanoparticles to enhance the chemotherapy response and overcome resistance by breast cancer stem cells

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Shi-Yong Li, Rong Sun, Hong-Xia Wang, Song Shen, Yang Liu, Xiao-Jiao Du, Yan-Hua Zhu, Jun Wang * Combination therapy with nanoparticles loaded with epigenetic-targeted decitabine (NP_{DAC}) increases the sensitivity of cancer stem cells to treatment of nanoparticles loaded with doxorubicin (NP_{DOX}).



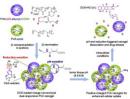


Charge-conversional and reduction-sensitive poly(vinyl alcohol) nanogels for enhanced cell uptake and efficient intracellular doxorubicin release

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Wei Chen, Katharina Achazi, Boris Schade, Rainer Haag*

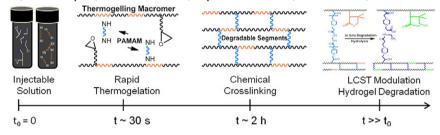
Charge-conversional and reduction-sensitive PVA nanogels can be prepared by inverse nanoprecipitation via "click reaction" for efficient delivery of DOX into tumor cells given their enhanced cellular uptake by tumor-extracellular pH-activated charge-conversion, and fast and complete intracellular release by the decrease of electrostatic interaction as well as the cleavage of the intervening disulfide bonds.



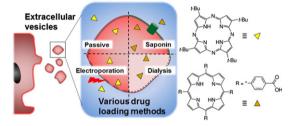
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Tiffany N. Vo, Adam K. Ekenseair, Patrick P. Spicer, Brendan M. Watson, Stephanie N. Tzouanas, Terrence T. Roh, Antonios G. Mikos*



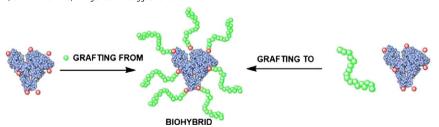
Active loading into extracellular vesicles significantly improves the cellular uptake and photodynamic effect of porphyrins pp 35–44 Gregor Fuhrmann*, Andrea Serio, Manuel Mazo, Rekha Nair, Molly M. Stevens*



Well-defined biohybrids using reversible-deactivation radical polymerization procedures

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