

## Accepted Manuscript

Title: Dual disassembly and biological evaluation of enzyme/oxidation-responsive polyester-based nanoparticulates for tumor-targeting delivery

Authors: Sung Hwa Hong, Kevin Larocque, Dilan B. Jaunky, Alisa Piekny, Jung Kwon Oh



PII: S0927-7765(18)30624-6  
DOI: <https://doi.org/10.1016/j.colsurfb.2018.09.013>  
Reference: COLSUB 9615

To appear in: *Colloids and Surfaces B: Biointerfaces*

Received date: 4-6-2018  
Revised date: 27-8-2018  
Accepted date: 5-9-2018

Please cite this article as: Hong SH, Larocque K, Jaunky DB, Piekny A, Kwon Oh J, Dual disassembly and biological evaluation of enzyme/oxidation-responsive polyester-based nanoparticulates for tumor-targeting delivery, *Colloids and Surfaces B: Biointerfaces* (2018), <https://doi.org/10.1016/j.colsurfb.2018.09.013>

This is a PDF file of an unedited manuscript that has been accepted for publication. As a service to our customers we are providing this early version of the manuscript. The manuscript will undergo copyediting, typesetting, and review of the resulting proof before it is published in its final form. Please note that during the production process errors may be discovered which could affect the content, and all legal disclaimers that apply to the journal pertain.

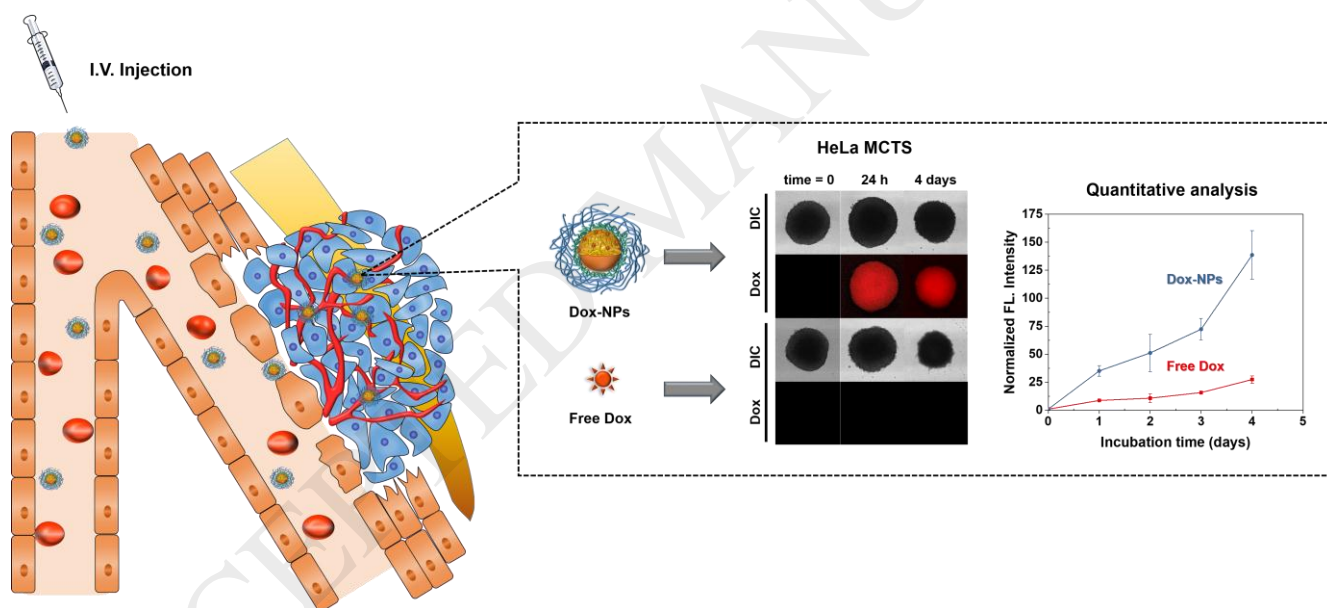
# Dual disassembly and biological evaluation of enzyme/oxidation-responsive polyester-based nanoparticulates for tumor-targeting delivery

Sung Hwa Hong, Kevin Larocque, Dilan B. Jaunky, Alisa Piekny, Jung Kwon Oh\*

Department of Chemistry and Biochemistry, Concordia University, Montreal, Quebec, Canada H4B 1R6

Corresponding author: J.K. Oh ([john.oh@concordia.ca](mailto:john.oh@concordia.ca))

## Graphical abstract



## Highlights

- Versatility of dual responses to enzymatic and oxidative reactions
- Synthesis of polyester-based nanoparticles by a facile thiol-ene click reaction
- Rapid accumulation in tumor spheroids to inhibit tumor progression
- Cellular uptake of doxorubicin-loaded nanoparticles via caveolae-dependent mechanism

Download English Version:

<https://daneshyari.com/en/article/9952512>

Download Persian Version:

<https://daneshyari.com/article/9952512>

[Daneshyari.com](https://daneshyari.com)