

Researcher Information Form

Name: Joo-Youp Lee

Department/Division/College:

Chemical & Environmental Engineering/ CEAS

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Research Interest (1-2 Sentences):

Gene and drug delivery systems for cancer therapeutics

Controlled release delivery systems

Unique Resources/Techniques:

Hybrid delivery vehicles for combination therapy

Representative Publications (5 Maximum, May use Hyperlink):

Badkas, A; Frank, E.; Chandra, H.; Zhou, Z.; Lee, J.-Y.; Yadav, J. S. Modulation of *in vitro* Phagocytic Uptake and Immunogenicity Potential of Modified Herceptin-Conjugated PLGA-PEG Nanoparticles for Drug Delivery, **2018**, *Colloids and Surfaces B: Biointerfaces*, 162, 271-278. PMID: 29216514.

Zhou, Z.; Jafari, M.; Sriram, V.; Kim, J.; Lee, J.-Y.; Ruiz-Torres, S.; Waltz, S. Delayed Sequential Co-delivery of Gefitinib and Doxorubicin for Targeted Combination Chemotherapy, **2017**, *Molecular Pharmaceutics*, 14, 4551-4559. PMID: 29077410.

Zhou, Z.; Kennell, C.; Jafari, M.; Lee, J.-Y.; Ruiz-Torres, S.; Waltz, S.; Lee, J.-H. Sequential Delivery of Erlotinib and Doxorubicin for Enhanced Triple Negative Breast Cancer Treatment Using Polymeric Nanoparticle, **2017**, *International Journal of Pharmaceutics*, 530, 300-307. PMID: 28778627.

Zhou, Z.; Kennell, C.; Lee, J.-Y.; Leung, Y.-K.; Tarapore, P. Calcium Phosphate-Polymer Hybrid Nanoparticles for Enhanced Triple Negative Breast Cancer Treatment via Co-Delivery of Paclitaxel and miR-221/222 Inhibitors, **2017**, *Nanomedicine: Nanotechnology, Biology, and Medicine*, 13, 403-410. PMID: 27520723.

Zhou, Z.; Badkas, A.; Stevenson, M.; Lee, J.-Y.; Leung, Y.-K., Herceptin Conjugated PLGA-PHis-PEG pH Sensitive Nanoparticles for Targeted and Controlled Drug Delivery. *International Journal of Pharmaceutics*, **2015**, 487 (1-2), 81-90. PMID: 25865568.

