

List of Publications (* Corresponding author)

- 2019 1. Liao Q, Yip L, Chow MYT, Chow SF, Chan HK, Kwok PCL, **Lam JKW***. Porous and highly dispersible voriconazole dry powders produced by spray freeze drying for pulmonary delivery with efficient lung deposition. *International Journal of Pharmaceutics* 2019; 560: 144-154
2. Zhang L, Ng TB, **Lam JKW**, Wang SW, Lao L, Zhang KY, Sze SCW. Research and development of proteins and peptides with therapeutic potential from yam tubers. *Current Protein and Peptide Science* 2019; 20(3), 277-284
- 2018 3. Liang W, Chow MYT, Chow SF, Chan HK, Kwok PCL, **Lam JKW***. Using two-fluid nozzle for spray freeze drying to produce porous powder formulation of naked siRNA for inhalation. *International Journal of Pharmaceutics* 2018; 552(1-2): 67-75
4. Lucarini S, Fagioli L, Cavanagh R, Liang W, Perinelli DR, Campana M, Stolnik S, **Lam JKW**, Casettari L, Duranti A. Synthesis, structure-activity relationships and in vitro toxicity profile of lactose-based fatty acid monoesters as possible drug permeability enhancers. *Pharmaceutics* 2018; 10(3), 81
5. Man DKW, Kanno T, Manzo G, Robertson BD, **Lam JKW**, Mason AJ. Rifampicin or capreomycin induced remodelling of the *Mycobacterium smegmatis* mycolic acid layer is mitigated in synergistic combinations with cationic antimicrobial peptides. *mSphere* 2018; 3(4): e00218-18
6. Raik SV, Andranovits S, Petrova V, Xu Y, **Lam JKW**, Morris GA, Brodskaja AV, Casettari L, Kritchenkov AS, Skorik YA. Comparative study of diethylaminoethyl-chitosan and methylglycol-chitosan as potential non-viral vector for gene therapy. *Polymers* 2018; 10(4): 442
7. Liang W, Chan AYL, Chow MYT, Lo FFK, Qiu Y, Kwok PCL, **Lam JKW***. Spray freeze drying of small nucleic acids as inhaled powder for pulmonary delivery. *Asian Journal of Pharmaceutical Sciences*. 2018; 13: 163-172
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- 2018 9. Qiu Y, Chow MYT, Liang W, Chung WY, Mak JCW, **Lam JKW***. From the pulmonary surfactant – synthetic KL4 peptide as effective siRNA delivery vector for pulmonary delivery. *Molecular Pharmaceutics*. 2017; 14(12): 4606-4617
10. Chow MYT, Qiu Y, Lo FFK, Lin HHS, Chan HK, Kwok PCL, **Lam JKW***. Inhaled powder formulation of naked siRNA using spray drying technology with L-leucine as dispersion enhancer. *International Journal of Pharmaceutics*. 2017; 530(1-2): 40-52
11. Chen J, Li J, Yiu JHC, **Lam JKW**, Wong CM, Dorweiler B, Xu A, Woo CW. TRIF-dependent toll-like receptor signaling suppresses SCD1 transcription in hepatocytes and prevents diet-induced hepatic steatosis. *Science Signaling*. 2017; 10(491): eaal3336
12. Perinelli DR., Cespi M, Pucciarelli S, Vincenzetti S, Casettari L, **Lam JKW**, Logrippo S,

- Canala E, Soliman ME, Bonacucina G, Palmieri GF. Water-in-oil microemulsions for protein delivery: loading optimization and stability. *Current Pharmaceutical Biotechnology*. 2017; 18(5): 410-421
13. Wang SW, Chueng HP, Tong Y, Lu J, Ng TB, Zhang YB, Zhang ZJ, Lee KF, **Lam JKW**, Sze SCW. Steroidogenic effect of Erxian decoction for relieving menopause via the p-Atk/PKB pathway in vitro and in vivo. *Journal of Ethnopharmacology*. 2017; 195: 188-195
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