

List of Publications (* Corresponding author)

- 2021 1. Qiu Y, Lo JCK, Kwok KCW, Mason AJ, **Lam JKW***. Modification of KL4 peptide revealed the importance of alpha-helical structure for siRNA delivery. *Nucleic Acid Therapeutics* (Ahead of Print, doi.org/10.1089/nat.2020.0855)
- 2020 2. Manzo G, Hind CK, Ferguson PM, Amison RT, Hodgson-Casson AC, Ciazynska K, Weller B, Clarke M, Lam C, Man RCH, O'Shaughnessy BG, Clifford M, Bui TT, Drake AF, Atkinson A, **Lam JKW**, Pitchford SC, Page CP, Phoenix DA, Lorenz CD, Sutton JM, Mason AJ. A pleurocidin analogue with greater conformational flexibility, enhanced antimicrobial potency and in vivo therapeutic efficacy. *Communications Biology* 2020; 3: 697
3. **Lam JKW***, Cheung CCK, Chow MYT, Harrop E, Lapwood S, Barclay SIG, Wong ICK. Transmucosal drug administration as an alternative route in palliative and end-of-life care during the COVID-19 pandemic. *Advanced Drug Delivery Reviews* 2020; 160: 234-243
4. Liang W, Pan HW, Vllasaliu D, **Lam JKW**. Pulmonary delivery of biological drugs. *Pharmaceutics* 2020; 12(11): 1025
5. Chow MYT, Qiu Y, **Lam JKW***. Inhaled RNA therapeutics – from promise to reality. *Trends in Pharmacological Sciences* 2020; 41(10): 715-729
6. Qiu Y, Liao Q, Chow MYT, **Lam JKW***. Intratracheal administration of inhaled dry powder formulation in mice. *Journal of Visualized Experiments* 2020; 161, e61469
7. Liao Q, Lam ICH, Lin HHS, Wan TL, Lo JCK, Tai W, Kwok PCL, **Lam JKW***. Effect of formulation and inhaler parameters on the dispersion of spray freeze dried voriconazole particles. *International Journal of Pharmaceutics* 2020; 584, 119444
- 2019 8. Chow MYT, Qiu Y, Liao Q, Kwok PCL, Chow SF, Chan HK, **Lam JKW***. High siRNA loading powder for inhalation prepared by co-spray drying with human serum albumin. *International Journal of Pharmaceutics* 2019; 572, 118818
9. Qiu Y, Man RCH, Liao Q, Kung CLK, Chow MYT, **Lam JKW***. Effective mRNA pulmonary delivery by dry powder formulation of a PEGylated synthetic KL4 peptide. *Journal of Controlled Release* 2019; 314, 102-115
10. 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
11. 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 12. 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

13. 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
14. 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
15. Raik SV, Andranovits S, Petrova V, Xu Y, **Lam JKW**, Morris GA, Brodskaya 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
16. 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
17. Perinelli DR, Fagioli L, Campana R, **Lam JKW**, Baffone W, Palmieri GF, Casettari L, Bonacucina G. Chitosan-based nanosystems and their exploited antimicrobial activity. *European Journal of Pharmaceutical Sciences*. 2018; 117: 8-20
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19. 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
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