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Research Interests

Dr. Kwan develops various research platforms to study the roles of exosomes in disease development, and the interplay between obesity and cancer. She also discovers novel exosomal-based therapeutics to treat cancer, obesity and its comorbid conditions.

Research outputs

Brevilin A is a potent anti-metastatic CRC agent that targets the VEGF-IL6-STAT3 axis in the HSCs-CRC interplay

Fan, X., Meng, M., Li, B., Chen, H., Tan, J., Xu, K., Xiao, S., Kwan, H-Y., Liu, Z. & Su, T., 16 Apr 2023, In: *Journal of Translational Medicine*. 21, 1, 17 p., 260.

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Control of SARS-CoV-2 infection by MT1-MMP-mediated shedding of ACE2

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Fucoxanthin Is a Potential Therapeutic Agent for the Treatment of Breast Cancer

Lau, T. Y. & Kwan, H. Y., Jun 2022, In: *Marine Drugs*. 20, 6, 370.

Combination of artesunate and WNT974 induces KRAS protein degradation by upregulating E3 ligase ANACP2 and β -TrCP in the ubiquitin–proteasome pathway

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Overexpression of miR-328-5p influences cell growth and migration to promote NSCLC progression by targeting LOXL4

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Baicalein is a novel TLR4-targeting therapeutics agent that inhibits TLR4/HIF-1 α /VEGF signaling pathway in colorectal cancer

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KWAN, Hiu Yee (Recipient), 24 May 2019

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