

**Appendix B. List of publications in 2019 (SKLPB members as the first # or corresponding\* authors):**

1. **Liu Y#**, Wang Y, Ni Y, **Cheung CKY**, **Lam KSL**, Wang Y, **Xia Z**, Ye D, Guo J, Tse MA, Panagiotou G, **Xu A\***. Gut Microbiome Fermentation Determines the Efficacy of Exercise for Diabetes Prevention. **Cell Metab.** 2020 Jan 7;31(1):77-91.e5. doi: 10.1016/j.cmet.2019.11.001. Epub 2019 Nov 27. PMID: 31786155. **[IF: 22.415]**
2. Douguet D, Patel A, **Xu A**, Vanhoutte PM, Honoré E. Piezo Ion Channels in Cardiovascular Mechanobiology. **Trends Pharmacol Sci.** 2019 Dec;40(12):956-970. doi: 10.1016/j.tips.2019.10.002. Epub 2019 Nov 5. PMID: 31704174. **[IF: 11.523]**
3. Leong ATL, Gu Y, Chan YS, Zheng H, Dong CM, Chan RW, Wang X, Liu Y, Tan LH, **Wu EX\***. Optogenetic fMRI interrogation of brain-wide central vestibular pathways. **Proc Natl Acad Sci U S A.** 2019 May 14;116(20):10122-10129. doi: 10.1073/pnas.1812453116. Epub 2019 Apr 26. PMID: 31028140; PMCID: PMC6525493. **[IF: 9.580]**
4. **Geng L#**, Liao B, Jin L, **Huang Z**, Triggle CR, Ding H, **Zhang J**, Huang Y, **Lin Z\***, **Xu A\***. Exercise Alleviates Obesity-Induced Metabolic Dysfunction via Enhancing FGF21 Sensitivity in Adipose Tissues. **Cell Rep.** 2019 Mar 5;26(10):2738-2752.e4. doi: 10.1016/j.celrep.2019.02.014. PMID: 30840894. **[IF: 7.815]**
5. Yang X, Brobst D, Chan WS, Tse MCL, Herlea-Pana O, Ahuja P, Bi X, Zaw AM, Kwong ZSW, Jia WH, Zhang ZG, Zhang N, Chow SKH, Cheung WH, Louie JCY, Griffin TM, Nong W, Hui JHL, Du GH, Noh HL, Saengnipanthkul S, Chow BKC, Kim JK, Lee CW, **Chan CB\***. Muscle-generated BDNF is a sexually dimorphic myokine that controls metabolic flexibility. **Sci Signal.** 2019 Aug 13;12(594):eaau1468. doi: 10.1126/scisignal.aau1468. PMID: 31409756. **[IF: 6.481]**
6. Sun W, Zhao X, Wang Z, Chu Y, Mao L, Lin S, Gao X, Song Y, Hui X, Jia S, Tang S, Xu Y, **Xu A**, Loomes K, Wang C, Wu D, Nie T. Tbx15 is required for adipocyte browning induced by adrenergic signaling pathway. **Mol Metab.** 2019 Oct;28:48-57. doi: 10.1016/j.molmet.2019.07.004. Epub 2019 Jul 5. PMID:

31352005; PMCID: PMC6822144. [IF: 6.181]

7. Wang F, Sun F, Luo J, Yue T, Chen L, Zhou H, Zhang J, Yang C, Luo X, Zhou Q, Zhu H, Li J, Yang P, Xiong F, Yu Q, Zhang H, Zhang W, Xu A, Zhou Z, Lu Q, Eizirik DL, Zhang S, Wang CY. Loss of ubiquitin-conjugating enzyme E2 (Ubc9) in macrophages exacerbates multiple low-dose streptozotocin-induced diabetes by attenuating M2 macrophage polarization. **Cell Death Dis.** 2019 Nov 26;10(12):892. doi: 10.1038/s41419-019-2130-z. PMID: 31767832; PMCID: PMC6877645. [IF: 5.959]
8. Wong YK, Cheung CYY, Tang CS, Hai JSH, Lee CH, Lau KK, Au KW, Cheung BMY, Sham PC, Xu A, Lam KSL\*, Tse HF. High-sensitivity troponin I and B-type natriuretic peptide biomarkers for prediction of cardiovascular events in patients with coronary artery disease with and without diabetes mellitus. **Cardiovasc Diabetol.** 2019 Dec 17;18(1):171. doi: 10.1186/s12933-019-0974-2. PMID: 31847896; PMCID: PMC6918569. [IF: 5.948]
9. Fei Y, Tsoi MF, Cheung BMY\*. Cardiovascular outcomes in trials of new antidiabetic drug classes: a network meta-analysis. **Cardiovasc Diabetol.** 2019 Aug 28;18(1):112. doi: 10.1186/s12933-019-0916-z. PMID: 31462224; PMCID: PMC6714383. [IF: 5.948]
10. Tang A, Coster ACF, Tonks KT, Heilbronn LK, Pocock N, Purcell L, Govendir M, Blythe J, Zhang J, Xu A, Chisholm DJ, Johnson NA, Greenfield JR, Samocha-Bonet D. Longitudinal Changes in Insulin Resistance in Normal Weight, Overweight and Obese Individuals. **J Clin Med.** 2019 May 8;8(5):623. doi: 10.3390/jcm8050623. PMID: 31071971; PMCID: PMC6572215. [IF: 5.688]
11. Heshiki Y, Vazquez-Urbe R, Li J, Ni Y, Quainoo S, Imamovic L, Li J, Sørensen M, Chow BKC, Weiss GJ, Xu A\*, Sommer MOA, Panagiotou G. Predictable modulation of cancer treatment outcomes by the gut microbiota. **Microbiome.** 2020 Mar 5;8(1):28. doi: 10.1186/s40168-020-00811-2. PMID: 32138779; PMCID: PMC7059390. [IF: 5.620]
12. Lee CH, Lui DTW, Cheung CYY, Fong CHY, Yuen MMA, Chow WS, Woo YC, Xu A, Lam KSL. Higher Circulating Adiponectin Concentrations Predict Incident Cancer in Type 2 Diabetes - The Adiponectin Paradox. **J Clin Endocrinol Metab.** 2020 Feb 19;dgaa075. doi: 10.1210/clinem/dgaa075. Epub ahead of print. PMID:

32072163. [IF: 5.605]

13. Mak LY, Lee CH, Cheung KS, Wong DK, Liu F, Hui RW, Fung J, Xu A, Lam KS, Yuen MF, Seto WK. Association of adipokines with hepatic steatosis and fibrosis in chronic hepatitis B patients on long-term nucleoside analogue. **Liver Int.** 2019 Jul;39(7):1217-1225. doi: 10.1111/liv.14104. Epub 2019 Apr 11. PMID: 30912255. [IF: 5.542]
14. Liu Z, Wu KKL, Jiang X, Xu A, Cheng KKY. The role of adipose tissue senescence in obesity- and ageing-related metabolic disorders. **Clin Sci (Lond).** 2020 Jan 31;134(2):315-330. doi: 10.1042/CS20190966. PMID: 31998947. [IF: 5.237]
15. Lei S, Su W, Xia ZY, Wang Y, Zhou L, Qiao S, Zhao B, Xia Z, Irwin MG. Hyperglycemia-Induced Oxidative Stress Abrogates Remifentanyl Preconditioning-Mediated Cardioprotection in Diabetic Rats by Impairing Caveolin-3-Modulated PI3K/Akt and JAK2/STAT3 Signaling. **Oxid Med Cell Longev.** 2019 Sep 5;2019:9836302. doi: 10.1155/2019/9836302. PMID: 31583053; PMCID: PMC6748204. [IF: 4.868]
16. Ge L, Cai Y, Ying F, Liu H, Zhang D, He Y, Pang L, Yan D, Xu A, Ma H, Xia Z. miR-181c-5p Exacerbates Hypoxia/Reoxygenation-Induced Cardiomyocyte Apoptosis via Targeting PTPN4. **Oxid Med Cell Longev.** 2019 Apr 17;2019:1957920. doi: 10.1155/2019/1957920. PMID: 31178952; PMCID: PMC6501226. [IF: 4.868]
17. Chau YP, Cheng YC, Sing CW, Tsoi MF, Cheng VK, Lee GK, Cheung CL, Cheung BMY\*. The lipid-lowering effect of once-daily soya drink fortified with phytosterols in normocholesterolaemic Chinese: a double-blind randomized controlled trial. **Eur J Nutr.** 2019 Oct 23;10.1007/s00394-019-02119-w. doi: 10.1007/s00394-019-02119-w. Epub ahead of print. PMID: 31642984. [IF: 4.449]
18. Harari A, Coster ACF, Jenkins A, Xu A, Greenfield JR, Harats D, Shaish A, Samocha-Bgutonet D. Obesity and Insulin Resistance Are Inversely Associated with Serum and Adipose Tissue Carotenoid Concentrations in Adults. **J Nutr.** 2020 Jan 1;150(1):38-46. doi: 10.1093/jn/nxz184. PMID: 31504714; PMCID: PMC6946897. [IF: 4.416]

19. **Bai B#**, Yang W, Fu Y, Foon HL, Tay WT, Yang K, Luo C, Gunaratne J, Lee P, Zile MR, Xu A, Chin CWL, Lam CSP, Han W, Wang Y. Seipin Knockout Mice Develop Heart Failure With Preserved Ejection Fraction. **JACC Basic Transl Sci**. 2019 Nov 20;4(8):924-937. doi: 10.1016/j.jacbts.2019.07.008. PMID: 31909301; PMCID: PMC6939002. **[IF: 3.700]**
20. Rosenstand K, Andersen K, Terp R, Gennemark P, Ellman DG, Reznichenko A, Lambertsen KL, Vanhoutte PM, Hansen PBL, Svenningsen P. Deficiency of T-type voltage-gated calcium channels results in attenuated weight gain and improved endothelium-dependent dilatation of resistance vessels induced by a high-fat diet in mice. **J Physiol Biochem**. 2020 Feb 3:10.1007/s13105-020-00728-2. doi: 10.1007/s13105-020-00728-2. Epub ahead of print. PMID: 32016773. **[IF: 2.523]**
21. Chen H, Vanhoutte PM, Leung SWS. Vascular adenosine monophosphate-activated protein kinase: Enhancer, brake or both? **Basic Clin Pharmacol Toxicol**. 2019 Oct 31:10.1111/bcpt.13357. doi: 10.1111/bcpt.13357. Epub ahead of print. PMID: 31671245. **[IF: 2.452]**
22. **Li D#**, Yan Sun W, Fu B, Xu A, Wang Y. Lipocalin-2-The myth of its expression and function. **Basic Clin Pharmacol Toxicol**. 2019 Oct 9:10.1111/bcpt.13332. doi: 10.1111/bcpt.13332. Epub ahead of print. PMID: 31597008. **[IF: 2.452]**
23. **Vanhoutte PM#**, Leung SWS. Hypoxic augmentation: The tale of a strange contraction. **Basic Clin Pharmacol Toxicol**. 2019 Jul 16:10.1111/bcpt.13295. doi: 10.1111/bcpt.13295. Epub ahead of print. PMID: 31310708. **[IF: 2.452]**
24. Qin X, Tsoi MF, Zhao X, Zhang L, Qi Z, **Cheung BMY\***. Vancomycin-associated acute kidney injury in Hong Kong in 2012-2016. **BMC Nephrol**. 2020 Feb 3;21(1):41. doi: 10.1186/s12882-020-1704-4. PMID: 32013870; PMCID: PMC6998253. **[IF: 2.088]**
25. **Konja D#**, Luo C, Sun WY, Yang K, Man AWC, Xu A, **Vanhoutte PM\***, **Wang Y\***. Assessment of Vascular Tone Responsiveness using Isolated Mesenteric Arteries with a Focus on Modulation by Perivascular Adipose Tissues. **J Vis Exp**. 2019 Jun 3;(148):10.3791/59688. doi: 10.3791/59688. PMID: 31205306. **[IF: 1.108]**