

Appendix B. List of publications in 2018 (SKLPB members as the first # or corresponding* authors):

1. Pan X, Shao Y, Wu F, Wang Y, Xiong R, Zheng J, Tian H, Wang B, Wang Y, Zhang Y, Han Z, Qu A, Xu H, Lu A, Yang T, Li X, Xu A, Du J, Lin Z. FGF21 Prevents Angiotensin II-Induced Hypertension and Vascular Dysfunction by Activation of ACE2/Angiotensin-(1-7) Axis in Mice. *Cell Metab.* 2018 Jun 5; 27(6):1323-1337.e5. [IF: 20.565]
2. Zhang F, Hu Z, Li G, Huo S, Ma F, Cui A, Xue Y, Han Y, Gong Q, Gao J, Bian H, Meng Z, Wu H, Long G, Tan Y, Zhang Y, Lin X, Gao X, Xu A, Li Y. Hepatic CREBZF couples insulin to lipogenesis by inhibiting insig activity and contributes to hepatic steatosis in diet-induced insulin-resistant mice. *Hepatology.* 2018 Oct; 68(4):1361-1375. [IF: 14.079]
3. **Pan Y#**, Hui X, Hoo RLC, Ye D, Chan CYC, Feng T, Wang Y, Lam KSL, Xu A*. Adipocyte-secreted exosomal microRNA-34a inhibits M2 macrophage polarization to promote obesity-induced adipose inflammation. *J Clin Invest.* 2019 Feb 1; 129(2):834-849. [IF: 13.251]
4. **Li H#**, Wu G, Fang Q, Zhang M, Hui X, Sheng B, Wu L, Bao Y, Li P, Xu A*, Jia W. Fibroblast growth factor 21 increases insulin sensitivity through specific expansion of subcutaneous fat. *Nat Commun.* 2018 Jan 18; 9(1):272. [IF: 12.353]
5. **Wang B#**, Li A, Li X, Ho PW, Wu D, Wang X, Liu Z, Wu KK, Yau SS, Xu A*, Cheng KK. Activation of hypothalamic RIP-Cre neurons promotes beiging of WAT via sympathetic nervous system. *EMBO Rep.* 2018 Apr; 19(4). [IF: 8.568]
6. Lee CH, Cheung CYY, Woo YC, Lui DTW, Yuen MMA, Fong CHY, Chow WS, Xu A, Lam KSL*. Circulating Adipocyte Fatty Acid-Binding Protein Concentrations Predict Multiple Mortality Outcomes among Men and Women with Diabetes. *Clin Chem.* 2018 Oct; 64(10):1496-1504. [IF: 8.636]
7. Yang JK, Lu J, Yuan SS, Asan, Cao X, Qiu HY, Shi TT, Yang FY, Li Q, Liu CP, Wu Q, Wang YH, Huang HX, Kayoumu A, Feng JP, Xie RR, Zhu XR, Liu C, Yang GR, Zhang MR, Xie CL, Chen C, Zhang B, Liu G, Zhang XQ, Xu A. From Hyper- to Hypoinsulinemia and Diabetes: Effect of KCNH6 on Insulin Secretion.

Cell Rep. 2018 Dec 26; 25(13):3800-3810.e6. **[IF: 8.032]**

8. **Cheung CYY#**, Lee CH, Tang CS, Xu A, Au KW, Fong CHY, Ng KKK, Kwok KHM, Chow WS, Woo YC, Yuen MMA, Hai J, Tan KCB, Lam TH, Tse HF, Sham PC, **Lam KSL***. Genetic Regulation of Pigment Epithelium-Derived Factor (PEDF): An Exome-Chip Association Analysis in Chinese Subjects with Type 2 Diabetes. **Diabetes**. 2019 Jan; 68(1):198-206. **[IF: 7.273]**
9. **Liu Z#**, Jin L, Yang JK, Wang B, Wu KKL, Hallenborg P, **Xu A***, **Cheng KKY***. The Dysfunctional MDM2-p53 Axis in Adipocytes Contributes to Aging-Related Metabolic Complications by Induction of Lipodystrophy. **Diabetes**. 2018 Nov; 67(11):2397-2409. **[IF: 7.273]**
10. **Nie T**, Zhao S, Mao L, Yang Y, Sun W, Lin X, Liu S, Li K, Sun Y, Li P, Zhou Z, Lin S, Hui X, Xu A, Ma CW, Xu Y, Wang C, Dunbar PR, Wu D. The natural compound, formononetin, extracted from *Astragalus membranaceus* increases adipocyte thermogenesis by modulating PPAR γ activity. **Br J Pharmacol**. 2018 May; 175(9):1439-1450. **[IF: 6.81]**
11. Wong YK, Cheung CYY, Tang CS, Au KW, Hai JSH, Lee CH, Lau KK, Cheung BMY, Sham PC, Xu A, Lam KSL, Tse HF. Age-Biomarkers-Clinical Risk Factors for Prediction of Cardiovascular Events in Patients With Coronary Artery Disease. **Arterioscler Thromb Vasc Biol**. 2018 Oct; 38(10):2519-2527. **[IF: 6.607]**
12. **Wong ESW#**, Man RYK, Ng KFJ, Leung SWS, **Vanhoutte PM***. L-arginine and Arginase Products Potentiate Dexmedetomidine-induced Contractions in the Rat Aorta. **Anesthesiology**. 2018 Mar; 128(3):564-573. **[IF: 6.523]**
13. **Duan L**, Wei L, Tian Y, Zhang Z, Hu P, Wei Q, Liu S, Zhang J, Wang Y, Li D, Yang W, Zong R, Xian P, Han C, Bao X, Zhao F, Feng J, Liu W, Cao W, Zhou G, Zhu C, Yu F, Yang W, Meng Y, Wang J, Chen X, Wang Y, Shen B, Zhao B, Wan J, Zhang F, Zhao G, Xu A, Zhang X, Liu J, Zuo X, Wang K. Novel Susceptibility Loci for Moyamoya Disease Revealed by a Genome-Wide Association Study. **Stroke**. 2018 Jan; 49(1): 11-18. **[IF: 6.032]**
14. Lee CH, Cheung CYY, Woo YC, Lui DTW, Yuen MMA, Fong CHY, Chow WS, Xu A, **Lam KSL***. Prospective associations of circulating adipocyte fatty acid-binding protein levels with risks of renal outcomes and mortality in type 2

diabetes. **Diabetologia**. 2019 Jan; 62(1):169-177. [IF: 6.023]

15. Ong KL, Hui N, Januszewski AS, Kaakoush NO, Xu A, Fayyad R, DeMicco DA, Jenkins AJ, Keech AC, Waters DD, Barter PJ, Rye KA. High plasma FGF21 levels predicts major cardiovascular events in patients treated with atorvastatin (from the Treating to New Targets [TNT] Study). **Metabolism**. 2018 Nov 16. [IF: 5.963]
16. Wood J, Tse MCL, Yang X, Brobst D, Liu Z, Pang BPS, Chan WS, Zaw AM, Chow BKC, Ye K, Lee CW, Chan CB*. BDNF mimetic alleviates body weight gain in obese mice by enhancing mitochondrial biogenesis in skeletal muscle. **Metabolism**. 2018 Oct; 87:113-122. [IF: 5.963]
17. Guo Y#, Xu C, Man AWC, Bai B, Luo C, Huang Y, Xu A, Vanhoutte PM, Wang Y*. Endothelial SIRT1 prevents age-induced impairment of vasodilator responses by enhancing the expression and activity of soluble guanylyl cyclase in smooth muscle cells. **Cardiovasc Res**. 2019 Mar 1; 115(3):678-690. [IF: 5.878]
18. Qu D, Wang L, Huo M, Song W, Lau CW, Xu J, Xu A, Yao X, Chiu JJ, Tian XY, Huang Y. Focal TLR4 activation mediates disturbed flow-induced endothelial inflammation. **Cardiovasc Res**. 2019 Feb 20. [IF: 5.878]
19. Wong KHK#, Cai Y, Ying F, Chen X, Vanhoutte PM, Tang EHC*. Deletion of Rap1 disrupts redox balance and impairs endothelium-dependent relaxations. **J Mol Cell Cardiol**. 2018 Feb; 115: 1-9. [IF: 5.680]
20. Kosuru R, Cai Y, Kandula V, Yan D, Wang C, Zheng H, Li Y, Irwin MG, Singh S, Xia Z*. AMPK Contributes to Cardioprotective Effects of Pterostilbene Against Myocardial Ischemia- Reperfusion Injury in Diabetic Rats by Suppressing Cardiac Oxidative Stress and Apoptosis. **Cell Physiol Biochem**. 2018; 46(4):1381-1397. [IF: 5.5]
21. Wang C, Li H, Wang S, Mao X, Yan D, Wong SS, Xia Z, Irwin MG. Repeated Non-Invasive Limb Ischemic Preconditioning Confers Cardioprotection Through PKC- ϵ /STAT3 Signaling in Diabetic Rats. **Cell Physiol Biochem**. 2018; 45(5):2107-2121. [IF: 5.5]
22. Wong KHK#, Cai Y, Ying F, Chen X, Vanhoutte PM, Tang EHC*. Deletion of Rap1 disrupts redox balance and impairs endothelium-dependent relaxations. **J**

Mol Cell Cardiol. 2018 Feb; 115:1-9. [IF: 5.296]

23. **Wong ESW#***, Man RYK, Ng KFJ, Leung SWS, Vanhoutte PM. L-arginine and Arginase Products Potentiate Dexmedetomidine-induced Contractions in the Rat Aorta. **Anesthesiology.** 2018 Mar; 128(3): 564-576. [IF: 5.163]
24. **Ying F#**, Cai Y, Wong HK, Chen XY, Huang IB, Vanhoutte PM, Xia Z, Xu A, **Tang EHC***. EP4 emerges as a novel regulator of bile acid synthesis and its activation protects against hypercholesterolemia. **Biochim Biophys Acta Mol Cell Biol Lipids.** 2018 Sep; 1863(9):1029-1040. [IF: 4.966]
25. Cheang WS, Wong WT, Wang L, Cheng CK, Lau CW, Ma RCW, Xu A, Wang N, Huang Y, Tian XY. Resveratrol ameliorates endothelial dysfunction in diabetic and obese mice through sirtuin 1 and peroxisome proliferator-activated receptor δ . **Pharmacol Res.** 2019 Jan; 139:384-394. [IF: 4.897]
26. Xiang Q, Wang C, Zhang Y, Xue X, Song M, Zhang C, Li C, Wu C, Li K, Hui X, Zhou Y, Smail JB, Patterson AV, Wu D, Ding K, Xu Y. Discovery and optimization of 1-(1H-indol-1-yl)ethanone derivatives as CBP/EP300 bromodomain inhibitors for the treatment of castration-resistant prostate cancer. **Eur J Med Chem.** 2018 Mar 10; 147:238-252. [IF: 4.816]
27. Wang Y, Mak JCW, Lee MYK, Xu A, Ip MSM. Low-Frequency Intermittent Hypoxia Promotes Subcutaneous Adipogenic Differentiation. **Oxid Med Cell Longev.** 2018 Mar 12; 2018:4501757. [IF: 4.593]
28. **Fei Y**, Tsoi MF, Kumana CR, Cheung TT, **Cheung BMY***. Network meta-analysis of cardiovascular outcomes in randomized controlled trials of new antidiabetic drugs. **Int J Cardiol.** 2018 Mar. [IF: 4.034]
29. Huang J, Xiao Y, Zheng P, Zhou W, Wang Y, Huang G, Xu A, Zhou Z. Distinct neutrophil counts and functions in newly diagnosed type 1 diabetes, latent autoimmune diabetes in adults, and type 2 diabetes. **Diabetes Metab Res Rev.** 2019 Jan; 35(1):e3064. [IF: 3.904]
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31. **Choy KW#**, Lau YS, Murugan D, Vanhoutte PM, **Mustafa MR***. Paeonol Attenuates LPS-Induced Endothelial Dysfunction and Apoptosis by Inhibiting BMP4 and TLR4 Signaling Simultaneously but Independently. **J Pharmacol Exp Ther.** 2018 Mar; 364(3): 420-432. **[IF: 3.706]**
32. **Choy KW#**, Lau YS, Murugan D, Vanhoutte PM, **Mustafa MR***. Paeonol Attenuates LPS-Induced Endothelial Dysfunction and Apoptosis by Inhibiting BMP4 and TLR4 Signaling Simultaneously but Independently. **J Pharmacol Exp Ther.** 2018 Mar; 364(3):420-432. **[IF: 3.706]**
33. **Wang B#**, Cheng KK. Hypothalamic AMPK as a Mediator of Hormonal Regulation of Energy Balance. **Int J Mol Sci.** 2018 Nov 11; 19(11). **[IF: 3.687]**
34. Tong KL, Mahmood Zuhdi AS, Wan Ahmad WA, Vanhoutte PM, de Magalhaes JP, Mustafa MR, Wong PF. Circulating MicroRNAs in Young Patients with Acute Coronary Syndrome. **Int J Mol Sci.** 2018 May 15; 19(5). **[IF: 3.687]**
35. **Wong CM#***, Xu L, Yau MY. Alternative Mrna Splicing in the Pathogenesis of Obesity. **Int J Mol Sci.** 2018 Feb; 19(2). **[IF: 3.687]**
36. Ling WC, Mustafa MR, Vanhoutte PM, Murugan DD. Chronic administration of sodium nitrite prevents hypertension and protects arterial endothelial function by reducing oxidative stress in angiotensin II-infused mice. **Vascul Pharmacol.** 2018 Mar; 102:11-20. **[IF: 3.635]**
37. Zhao S, Chu Y, Zhang Y, Zhou Y, Jiang Z, Wang Z, Mao L, Li K, Sun W, Li P, Jia S, Wang C, Xu A, Loomes K, Tang S, Wu D, **Hui X***, Nie T. Linifanib exerts dual anti-obesity effect by regulating adipocyte browning and formation. **Life Sci.** 2019 Jan 29. **[IF: 3.234]**
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39. Xiao Y, Xiao X, Xu A, Chen X, Tang W, Zhou Z. Circulating adipocyte fatty acid-binding protein levels predict the development of subclinical atherosclerosis

in type 2 diabetes. **J Diabetes Complications**. 2018 Dec; 32(12):1100-1104. [IF: 2.792]

40. Elie AGIM, Bloksgaard M, Sun WY, Yang K, Man AWC, Xu A, Irmukhamedov A, Riber LP, Wang Y, De Mey JGR. Local enrichment of fatty acid-binding protein 4 in the pericardial cavity of cardiovascular disease patients. **PLoS One**. 2018 Nov 5; 13(11):e0206802. [IF: 2.766]
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42. **Zhang C**, Li T, Chiu KY, Wen C, Xu A, Yan CH. FABP4 as a biomarker for knee osteoarthritis. **Biomark Med**. 2018 Feb; 12(2):107-118. [IF: 2.346]
43. **Detremmerie CMS#**, Leung SWS, **Vanhoutte PM***. Activation of NQO-1 mediates the augmented contractions of isolated arteries due to biased activity of soluble guanylyl cyclase in their smooth muscle. **Naunyn Schmiedebergs Arch Pharmacol**. 2018 Nov; 391(11):1221-1235. [IF: 2.238]
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45. **Baretella O#**, Xu A, **Vanhoutte PM***. No Protective Effect of Constitutive Activation of AMPK in Endothelial Cells on Vascular Function in Aged Obese Mice but Augmented α 1-Adrenergic Contractions in Renal Arteries Reversible by Weight Loss. **J Vasc Res**. 2018; 55(4):189-202. [IF: 2.029]
46. **Sun WY#**, Bai B, Luo C, Yang K, Li D, Wu D, Félétou M, Villeneuve N, Zhou Y, Yang J, Xu A, Vanhoutte PM, **Wang Y***. Lipocalin-2 derived from adipose tissue mediates aldosterone-induced renal injury. **JCI Insight**. 2018 Sep 6; 3(17). [IF: ?]
47. Ji X, Zhou P, Zhong L, Xu A, Tsang ACO, Chan PKL. Smart Surgical Catheter for C-Reactive Protein Sensing Based on an Imperceptible Organic Transistor. **Adv**

Sci (Weinh). 2018 May 2; 5(6):1701053. **[IF: ?]**

48. **Vanhoutte PM#***. Nitric Oxide: From Good to Bad. **Ann Vasc Dis**. 2018 Mar 25; 11(1):41-51. **[IF: ?]**