1. Publications on SIRT1-related signaling pathways in ageing-related diseases

  Calorie restriction prevents metabolic ageing caused by abnormal SIRT1 function in adipose tissues. *Diabetes* 2014 Dec 4. pii: DB_141180. [Epub ahead of print]


- Wang Y*. Molecular Links between Caloric Restriction and Sir2/SIRT1 Activation. *Diabetes & Metabolism Journal* 2014 In press


2. Publications on the functional and pharmacological characterization of adipokines/hepatokines


- Xu A, **Wang Y**, Keshaw H, Xu L, Lam KSL and Cooper GJ, The fat-derived hormone adiponectin alleviates alcoholic and nonalcoholic fatty liver diseases in mice. **Journal of Clinical Investigation.** 2003, 112:91-100 (Wang Y is the co-first author) (the figure was chosen as the front cover).

3. Research publications on proteomic/genomic biomarker and drug discovery

- Herath TD, **Wang Y**, Seneviratne CJ, Darveau RP, Wang CY, Jin L. The expression and regulation of matrix metalloproteinase-3 is critically modulated by Porphyromonas gingivalis lipopolysaccharide with heterogeneous lipid A structures in human gingival fibroblasts. **BMC**


Yeung DC, Wang Y, Xu A, Cheung SC, Wat NM, Fong DY, Fong CH, Chau MT, Sham PC,


4. Publications on using proteomics approaches for studying protein-protein interactions and protein posttranslational modifications


- **Wang Y***, Xu LY, Lam KS, Lu G, Cooper GJ and Xu A. Proteomic characterization of human serum proteins associated with the fat-derived hormone adiponectin. **Proteomics.** 2006, 6:3862-3870. (**Corresponding author**)  
- **Wang Y***, Lam KS, Chan L, Chan KW, Lam JB, Lam MC, Hoo RC, Mak WW, Cooper GJ and Xu A. Post-translational modifications of the four conserved lysine residues within the collagenous domain of adiponectin are required for the formation of its high molecular weight


5. Research publications related to proteomic-analysis of novel hormones and signaling molecules


6. Invited reviews, commentary articles and book chapters


• Yu Wang*. Molecular Links between Caloric Restriction and Sir2/SIRT1 Activation. *Diabetes & Metabolism Journal* 2014;38(4):1-9


• Fan P and Wang Y*. Adipokines-Toward the Molecular Dissection of Interactions between Stromal Adipocytes and Breast Cancer Cells, in *Breast Cancer – Recent Advances in Biology, Imaging and Therapeutics*, publisher: InTech press. 2011 (Book Chapter)


