

## Publications for Charmaine Tam

### 2019

Martinez-Huenchullan, S., Ban, L., Olaya, L., Maharjan, B., Williams, P., Tam, C., McLennan, S., Twigg, S. (2019). Constant-Moderate and High-Intensity Interval Training Have Differential Benefits on Insulin Sensitive Tissues in High-Fat Fed Mice. *Frontiers in Physiology*, 10, 1-17. <a href="http://dx.doi.org/10.3389/fphys.2019.00459">[More Information]</a>

### 2018

Martinez Huenchullan, S., Maharjan, B., Williams, P., Tam, C., McLennan, S., Twigg, S. (2018). Differential metabolic effects of constant moderate versus high intensity interval training in high-fat fed mice: possible role of muscle adiponectin. *Physiological Reports*, 6(4), 1-16. <a href="http://dx.doi.org/10.14814/phy2.13599">[More Information]</a>

Broskey, N., Tam, C., Sutton, E., Altazan, A., Burton, J., Ravussin, E., Redman, L. (2018). Metabolic inflexibility in women with PCOS is similar to women with type 2 diabetes. *Nutrition and Metabolism*, 15(1), 1-9. <a href="http://dx.doi.org/10.1186/s12986-018-0312-9">[More Information]</a>

Martinez Huenchullan, S., Maharjan, B., Williams, P., Tam, C., McLennan, S., Twigg, S. (2018). Skeletal muscle adiponectin induction depends on diet, muscle type/activity, and exercise modality in C57BL/6 mice. *Physiological Reports*, 6(19), 1-9. <a href="http://dx.doi.org/10.14814/phy2.13848">[More Information]</a>

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Mackie, G., Samocha-Bonet, D., Tam, C. (2017). Does weight cycling promote obesity and metabolic risk factors? *Obesity Research & Clinical Practice*, 11, 131-139. <a href="http://dx.doi.org/10.1016/j.orcp.2016.10.284">[More Information]</a>

Covington, J., Johannsen, D., Coen, P., Burk, D., Obanda, D., Ebenezer, P., Tam, C., Goodpaster, B., Ravussin, E., Bajpeyi, S. (2017). Intramyocellular Lipid Droplet Size Rather Than Total Lipid Content is Related to Insulin Sensitivity After 8 Weeks of Overfeeding. *Obesity*, 25(12), 2079-2087. <a href="http://dx.doi.org/10.1002/oby.21980">[More Information]</a>

Tam, C. (2017). Reprogramming my career. *Science*, 357(6346), 102-102. <a href="http://dx.doi.org/10.1126/science.357.6346.102">[More Information]</a>

Tam, C., Chaudhuri, R., Hutchison, A., Samocha-Bonet, D., Heilbronn, L. (2017). Skeletal muscle extracellular matrix remodeling after short-term overfeeding in healthy humans. *Metabolism: Clinical and Experimental*, 67, 26-30. <a href="http://dx.doi.org/10.1016/j.metabol.2016.10.009">[More Information]</a>

Martinez Huenchullan, S., McLennan, S., Verhoeven, A., Twigg, S., Tam, C. (2017). The emerging role of skeletal muscle extracellular matrix remodelling in obesity and exercise. *Obesity Reviews*, 18, 776-790. <a href="http://dx.doi.org/10.1111/obr.12548">[More Information]</a>

Martinez Huenchullan, S., McLennan, S., Ban, L., Morsch, M., Twigg, S., Tam, C. (2017). Utility and reliability of non-invasive muscle function tests in high-fat-fed mice. *Experimental Physiology*, 102(7), 773-778. <a href="http://dx.doi.org/10.1113/EP086328">[More Information]</a>

### 2016

Tam, C., Rigas, G., Heilbronn, L., Matisan, T., Probst, Y., Talbot, M. (2016). Energy Adaptations Persist 2 Years After Sleeve Gastrectomy and Gastric Bypass. *Obesity Surgery*, 26, 459-463. <a href="http://dx.doi.org/10.1007/s11695-015-1972-4">[More Information]</a>

Tam, C., Redman, L., Greenway, F., LeBlanc, K., Haussmann, M., Ravussin, E. (2016). Energy Metabolic Adaptation and Cardiometabolic Improvements One Year After Gastric Bypass, Sleeve Gastrectomy, and Gastric Band. *Journal of Clinical Endocrinology and Metabolism*, 101(10), 3755-3764. <a href="http://dx.doi.org/10.1210/jc.2016-1814">[More Information]</a>

Covington, J., Tam, C., Pasarica, M., Redman, L. (2016). Higher circulating leukocytes in women with PCOS is reversed by aerobic exercise. *Biochimie*, 124, 27-33. <a href="http://dx.doi.org/10.1016/j.biochi.2014.10.028">[More Information]</a>

Floyd, Z., Gawronska-Kozak, B., Tam, C., Gimble, J. (2016). Mechanisms of metabolism, aging and obesity. *Biochimie*, 124, 1-2. <a href="http://dx.doi.org/10.1016/j.biochi.2016.03.005">[More Information]</a>

Covington, J., Tam, C., Bajpeyi, S., Galgani, J., Noland, R., Smith, S., Redman, L., Ravussin, E. (2016). Myokine Expression in Muscle and Myotubes in Response to Exercise Stimulation. *Medicine and Science in Sports and Exercise*, 48(3), 384-390. <a href="http://dx.doi.org/10.1249/MSS.0000000000000787">[More Information]</a>

Gosby, A., Lau, N., Tam, C., Iglesias, M., Morrison, C., Caterson, I., Brand-Miller, J., Conigrave, A., Raubenheimer, D., Simpson, S. (2016). Raised FGF-21 and Triglycerides Accompany Increased Energy Intake Driven by Protein Leverage in Lean, Healthy Individuals: A Randomised Trial. *PLoS One*, 11(8), 1-16. <a href="http://dx.doi.org/10.1371/journal.pone.0161003">[More Information]</a>

### 2015

Song (Wen Chao), W., McLennan, S., Tam, C., Williams, P., Baxter, R., Twigg, S. (2015). CCN2 requires TGF- $\beta$ 2 signalling to regulate CCAA T/enhancer binding proteins and inhibit fat cell differentiation. *Journal of Cell Communication and Signaling*, 9(1), 27-36. <a href="http://dx.doi.org/10.1007/s12079-014-0252-8">[More Information]</a>

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<http://dx.doi.org/10.1111/ases.12193>>[More Information]</a>

Tam, C., Power, J., Markovic, T., Yee, C., Morsch, M., McLennan, S., Twigg, S. (2015). The effects of high-fat feeding on physical function and skeletal muscle extracellular matrix. *Nutrition and Diabetes*, 5, 1-4. <a href="http://dx.doi.org/10.1038/nutd.2015.39">[More Information]</a>

Tam, C., Power, J., Markovic, T., Yee, C., Morsch, M., McLennan, S., Twigg, S. (2015). The effects of high-fat feeding on physical function and skeletal muscle extracellular matrix. *Nutrition and Diabetes*, 5(12), 1-4. <a href="http://dx.doi.org/10.1038/nutd.2015.39">[More Information]</a>

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Johannsen, D., Tchoukalova, Y., Tam, C., Covington, J., Xie, W., Schwarz, J., Bajpeyi, S., Ravussin, E. (2014). Effect of 8 weeks of overfeeding on ectopic fat deposition and insulin sensitivity: Testing the "adipose tissue expandability" hypothesis. *Diabetes Care*, 37(10), 2789-2797. <a href="http://dx.doi.org/10.2337/dc14-0761">[More Information]</a>

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## 2012

Tam, C., Tordjman, J., Divoux, A., Baur, L., Clement, K. (2012). Adipose Tissue Remodeling in Children: The Link between Collagen Deposition and Age-Related Adipocyte Growth. *Journal of Clinical Endocrinology and Metabolism*, 97(4), 1320-1327. <a href="http://dx.doi.org/10.1210/jc.2011-2806">[More Information]</a>

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