

Curriculum Vitae

Yan Yan Lam
Assistant Research Professor
Department of Biochemistry and Microbiology
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EDUCATION:

- 2002** **Chinese University of Hong Kong (Hong Kong)**
Bachelor of Science with Honours (Food & Nutritional Sciences)
- 2004** **University of Wollongong (Australia)**
Master of Science with Distinction (Nutrition & Dietetics)
- 2010** **University of Adelaide (Australia)**
Doctor of Philosophy, Medicine

EMPLOYMENT HISTORY:

- 2005 – 2006** **Clinical Dietitian**
Wollongong Hospital, Wollongong NSW, Australia
- 2010 – 2012** **Postdoctoral Research Fellow**
Boden Institute of Obesity, Nutrition, Exercise & Eating Disorders, University of Sydney, Sydney NSW, Australia
- 2012 – 2014** **Postdoctoral Researcher**
Skeletal Muscle Physiology Laboratory, Pennington Biomedical Research Center, Baton Rouge LA, USA
- 2015 – 2017** **Research Fellow**
Charles Perkins Centre, University of Sydney, Sydney NSW, Australia
- 2017 – current** **Assistant Research Professor**
Department of Biochemistry and Microbiology, Rutgers University, New Brunswick NJ, USA

PROFESSIONAL MEMBERSHIPS (SELECTED):

- 2004 – current** Dietitians Association of Australia
Accredited Practising Dietitian and Accredited Nutritionist
- 2017 – current** The Obesity Society

PUBLICATIONS (SELECTED):

1. **Lam YY**, Maguire S, Palacios T, Caterson ID. Are the gut bacteria telling us to eat or not to eat? Reviewing the role of gut microbiota in the etiology, disease progression and treatment of eating disorders. *Nutrients*. 2017 Jun 14;9(6). pii: E602. doi: 10.3390/nu9060602.
2. **Lam YY**, Ravussin E. Indirect calorimetry: an indispensable tool to understand and predict obesity. *Eur J Clin Nutr*. 2017 Mar;71(3):318-322.
3. **Lam YY**, Ravussin E. Analysis of energy metabolism in humans: a review of methodologies. *Mol Metab*. 2016 Sep 20;5(11):1057-1071.
4. Storlien LH, **Lam YY**, Wu BJ, Tapsell LC, Jenkins AB. Effects of dietary fat subtypes on glucose homeostasis during pregnancy in rats. *Nutr Metab (Lond)*. 2016 Aug 24;13(1):58.
5. Hall KD, Chen KY, Guo J, **Lam YY**, Leibel RL, Mayer LE, Reitman ML, Rosebaum M, Smith SR, Walsh BT, Ravussin E. Energy expenditure and body composition changes after an isocaloric ketogenic diet in overweight and obese men. *Am J Clin Nutr*. 2016 Aug;104(2):324-33.
6. **Lam YY**, Ghosh S, Civitarese AE, Ravussin E. Six-month calorie restriction in overweight individuals elicits transcriptomic response in subcutaneous adipose tissue that is distinct from effects of energy deficit. *J Gerontol A Biol Sci Med Sci*. 2016 Oct;71(10):1258-65.
7. **Lam YY**, Ha CWY, Hoffmann JMA, Oscarsson J, Dinudom A, Mather TJ, Cook DI, Hunt NH, Caterson ID, Holmes AJ, Storlien LH. Effects of dietary fat profile on gut permeability and microbiota, and their relationships with metabolic changes in mice. *Obesity (Silver Spring)*. 2015 Jul;23(7):1429-39.
8. **Lam YY**, Redman LM, Smith SR, Bray GA, Greenway FL, Johannsen D, Ravussin E. Determinants of sedentary 24-hour energy expenditure: equations for energy prescription and adjustment in a respiratory chamber. *Am J Clin Nutr*. 2014 Apr;99(4):834-42.
9. **Lam YY**, Ha CW, Campbell CR, Mitchell AJ, Dinudom A, Oscarsson J, Cook DI, Hunt NH, Caterson ID, Holmes AJ, Storlien LH. Increased gut permeability and microbiota change associate with mesenteric fat inflammation and metabolic dysfunction in diet-induced obese mice. *PLoS One*. 2012;7(3): e34233.
10. **Lam YY**, Mitchell AJ, Holmes AJ, Denyer GS, Gummesson A, Caterson ID, Hunt NH, Storlien LH. Role of the gut in visceral fat inflammation and metabolic disorders. *Obesity (Silver Spring)*. 2011 Nov;19(11):2113-20.
11. Gummesson A, Carlsson LMS, Storlien LH, Bäckhed F, Lundin P, Löfgren L, Stenlöf K, **Lam YY**, Fagerberg B, Carlsson B. Intestinal permeability is associated with visceral adiposity in healthy women. *Obesity (Silver Spring)*. 2011 Nov;19(11):2280-2.

12. **Lam YY**, Hatzinikolas G, Weir JM, Janovská A, McAinch AJ, Game P, Meikle PJ, Wittert GA. Insulin-stimulated glucose uptake and pathways regulating energy metabolism in skeletal muscle cells: the effects of subcutaneous and visceral fat, and long-chain saturated, n-3 and n-6 polyunsaturated fatty acids. *Biochim Biophys Acta*. 2011 Jul-Aug;1811(7-8): 468-75.

CONFERENCE PRESENTATIONS (SELECTED):

Oral

1. **Australian & New Zealand Obesity Society Annual Scientific Meeting, October 2015**, Melbourne, Australia.
Lam YY, Ghosh S, Civitarese AE, Ravussin E. Six-month calorie restriction in overweight individuals elicits transcriptomic response in subcutaneous adipose tissue that is distinct from effects of energy deficit.
2. **American Diabetes Association 73rd Scientific Sessions, June 2013**, Chicago, United States.
Lam YY, Ha CWY, Hoffmann JMA, Campbell CR, Dinudom A, Oscarsson J, Cook DI, Hunt NH, Caterson ID, Ravussin E, Holmes AJ, Storlien LH. Effects of dietary fat profile on gut health, adipose inflammation and insulin sensitivity in mice.
3. **1st International Conference on ImmunoMetabolism: Molecular and Cellular Immunology of Metabolism, September 2011**, Heraklion, Greece.
Lam YY, Campbell CR, Ha CWY, Mitchell AJ, Dinudom A, Cook DI, Hunt NH, Caterson ID, Holmes AJ, Storlien LH. High-saturated fat diet increases gut permeability, inflammation and altered microbiota profile: a role for the gut in obesity-driven metabolic dysfunction.
4. **Australian Society for Medical Research SA Scientific Meeting, June 2009**, Adelaide, Australia.
Lam YY, Janovská A, McAinch AJ, Belobrajdic, DP, Game P, Wittert GA. Adipokines play a role in visceral fat-induced insulin resistance of rat L6 muscle cells in an adipose tissue-skeletal muscle myotube co-culture system.
5. **Central European Congress on Obesity: From Nutrition to Metabolic Syndrome, September 2008**, Prague, Czech Republic.
Lam YY, Janovská A, McAinch AJ, Hatzinikolas G, Cavuoto P, Game P, Wittert GA. Interaction between visceral and subcutaneous fat and fatty acids on insulin sensitivity and oxidative metabolism in skeletal muscle cells.

Poster

1. **The XIII International Congress on Obesity, May 2016**, Vancouver, Canada.
Lam YY, Senior AM, Solon-Biet SM, Raubenheimer D, Simpson SJ. Systematic analyses of diet composition revealed the impact of energy and macronutrient content on individual response to diet-induced weight changes in C57BL/6 mice.

2. **3rd International Conference on Recent Advances and Controversies in Measuring Energy Metabolism, October 2014**, Tokyo, Japan.
Lam YY, Piaggi P, Lind JG, Melanson EL, Wulan SN, Plasqui G, Schrauwen P, Astrup A, Ravussin E. Validation of new equations to prescribe and adjust energy intake in 24-h respiratory chambers: a multi-center analysis.
3. **International Congress on Abdominal Obesity, January 2010**, Hong Kong, China.
Lam YY, Janovská A, McAinch AJ, Belobrajdic, DP, Hatzinikolas G, Game P, Wittert GA. Adipose tissue-conditioned media reveals the role of adipokines in mediating fat depot-specific effects on insulin sensitivity in skeletal muscle cells.
4. **Australian Diabetes Society & Australian Diabetes Educators Association Annual Scientific Meeting, August 2009**, Adelaide, Australia.
Lam YY, Buchanan G, Janovská A, McAinch AJ, Cavuoto P, Game P, Wittert GA. Effect of long-chain fatty acids on insulin-stimulated glucose uptake and pathways regulating energy metabolism in skeletal muscle cells.
5. **Australasian Society for the Study of Obesity Annual Scientific Meeting, August 2007**, Canberra, Australia.
Lam YY, McAinch AJ, Janovská A, Hatzinikolas G, Cavuoto P, Game P, Wittert GA. An adipose tissue-myotube co-culture system to study nutrient utilisation in skeletal muscle cells.