

CURRICULUM VITAE

November 25, 2009

PERSONAL DATA:

Name: **REIMER, Raylene Alison, Ph.D., R.D.**

Nationality: Canadian

Present Position: Associate Professor, University of Calgary

Contact Information: Faculty of Kinesiology, KNB 440
2500 University Drive NW
Calgary, AB
T2N 1N4

Phone: (403) 220-8218

Fax: (403) 284-3553

Email: reimer@ucalgary.ca

PROFESSIONAL EXPERIENCE:

- 07/2005-present **Associate Professor**, University of Calgary, Joint Appointment in the Faculty of Kinesiology and the Department of Biochemistry and Molecular Biology, Faculty of Medicine.
- 05/2000-06/2005 **Assistant Professor**, University of Calgary, Joint Appointment in the Faculty of Kinesiology and the Department of Biochemistry and Molecular Biology, Faculty of Medicine.
- 12/1997-12/1999 **Post-Doctoral Fellow**, Nestle Research Center (Lausanne, Switzerland) Molecular Nutrition Group. *Projects:* 1) Regulation by nutrients of the expression of genes involved in obesity in human and animal species. 2) Regulation of GLP-1 (insulin secretagogue and satiety peptide) secretion and expression in human cell lines. 3) Transfection of immortalized human cell lines with transcription factors involved in differentiation. Supervisor: Dr. Katherine Macé.
- 09/1997-11/1997 **Clinical Dietitian**, Chinook Health Region (Lethbridge, Canada)

EDUCATION:

- 09/93-04/97 **Ph.D. in Nutrition and Metabolism**, University of Alberta (Edmonton, Canada) “Regulation of Intestinal Proglucagon Expression and GLP-1 Secretion by Diet in Normal and Diabetic States.” Supervisor: Dr. Michael I. McBurney.
- 01/97-08/97 **Co-ordinated Dietetic Internship**, University of Alberta (Edmonton, Canada) *Placements with:* British Columbia Cancer Agency (Vancouver), Vancouver Public Health (Vancouver), Abbotsford General Hospital (Abbotsford), Lethbridge Regional Hospital (Lethbridge), Diabetes & Lipid Education Center (Lethbridge).
- 09/89-04/93 **Bachelor of Science with Distinction (Specialization: Foods & Nutrition)**, University of Alberta (Edmonton, Canada)

ACHIEVEMENTS AND AWARDS:

- 2009 Faculty of Graduate Studies Achievement Award for Excellence in Supervision Nominee
- 2009 Centrum New Scientist Award Nominee
- 2009 Canada's Top 40 Under 40 Nominee
- 2007 Award of Excellence for Outstanding Contributions in Research, Faculty of Kinesiology
- 2006 University Research Grant Committee Travel Grant Award
- 2002 University Research Grant Committee Travel Grant Award
- 2000-01 Research Excellence Envelope Award, Alberta Innovation and Science
- 1995-97 Alberta Heritage Foundation for Medical Research Studentship and Research Allowance
- 1995-97 Natural Sciences & Engineering Research Council (NSERC) Postgraduate PGSB Scholarship
- 1993-97 Walter H. Johns Graduate Fellowship
- 1996 Isaak Walton Killam Memorial Scholarship
- 1993-95 Natural Sciences & Engineering Research Council (NSERC) Postgraduate PGSA Scholarship
- 1995 Winner of the American Institute of Nutrition/Procter & Gamble Graduate Student Research Award Abstract Competition at Experimental Biology
- 1994 Gold Winner of the Mary Ecclestone Graduate Student Award at the Canadian Federation of Biological Societies Wyeth Graduate Student Competition
- 1989-93 First Class Standing
- 1993 Medical Research Council Postgraduate Scholarship (Declined)
- 1993 Russel Food Equipment Scholarship
- 1993 Amy M. Coates Memorial Medal in Foods & Nutrition
- 1991-92 David Butchart Pope Scholarship
- 1991-92 Board of Governors Prize in Home Economic
- 1992 NSERC Undergraduate Student Research Award
- 1989-92 Louise McKinney Post-Secondary Scholarship

PROFESSIONAL SOCIETY MEMBERSHIPS:

College of Dietitians of Alberta
The Obesity Society - North American Association for the Study of Obesity
Canadian Society for Nutritional Sciences / Canadian Federation of Biological Societies
Canadian Society of Clinical Nutrition
American Society for Nutritional Sciences
Canadian Diabetes Association

RESEARCH GRANTS:

CIHR (Canadian Institutes of Health Research) Operating Grant (2007-2010) Dietary Modulation of Integrated Gut Hormone Response to Manage Obesity. Principal Investigator: \$291,224.

NSERC (Natural Sciences & Engineering Research Council) Operating Grant (2009-2011) Influence of Nutrients on Developmental Programming of Metabolism. Principal Investigator: \$48,000.

NSERC (Natural Sciences & Engineering Research Council) Operating Grant (2008-2009) Influence of Nutrients on Developmental Programming of Metabolism. Principal Investigator: \$32,500.

Canadian Centre for Functional Medicine (2008-2009) Evaluation of Satiety Hormone Response with Dietary Fiber Supplementation in Obesity. Principal Investigator: \$128,500. Research Contract.

Canadian Foundation for Dietetic Research (2008-2009) The Impact of High Milk Product Intake during Weight Loss on Markers of Insulin Resistance. Co-Principal Investigator: \$15,000. Co-PI: Kim Wagner Jones.

Agriculture Funding Consortium (2008-2011) Effect of pulses as a source of fiber and resistant starch on satiety hormone production. Principal Investigator: \$102,500.

University of Calgary Public Health Initiative (2007-2009) Healthy Uni: A campus-wide health promotion initiative driven by students and focused on wellness and the prevention of obesity and type II diabetes. Co-investigator: \$160,000.

CIHR Operating Grant (2004-2007) Regulation of Obesity with Intestinal Adaptation and Diet Composition. Principal Investigator: \$296,700.

NSERC Operating Grant (2003-2008) Metabolic Outcomes of Nutrient-Gene Interactions. Principal Investigator: \$150,000.

CIHR New Emerging Team – Institute of Gender and Health (2003-2008) Sex/Gender Influences on Musculoskeletal Health Across the Lifespan. Co-Investigator: \$1,522,540

Heart and Stroke Foundation (2004-2007) Declined: Regulation of Obesity with Intestinal Adaptation and Diet Composition.

Canadian Center for Ethics in Sport (2005-2007) Evaluation of the Dietary Supplementation Patterns and Nutritional Intake in Canadian High Performance Athletes. Co-Principal Investigator: \$45,000. Co-PI: Victor Lun.

URGC Short-Term Grant (2005-2006) Prebiotic Fiber as a Potential Modifier of Satiety Hormones in Obese Humans. Principal Investigator: \$6000

Dairy Farmers of Canada/NSERC (2004-2006) The Role of Dairy in Regulating Body Weight. Principal Investigator: \$113,500

Margaret Gunn Endowment for Animal Research (2003-2005) Role of Diet Composition in Regulating

Body Weight. Principal Investigator: \$36,402

Canadian Foundation for Innovation (CFI) New Opportunities (2001-2004) Creation of a Molecular Screening Facility for Functional Foods and Nutraceuticals. Principal Investigator: \$87,750

Alberta Innovation and Science (2001-2006) Nutrition, Genetics and Human Performance. Co-investigator: \$3,256,247. Co-Investigators: Gravel RA, Exner D, Frank C, Herzog W, Lau D, MacIntosh B, Nigg B, Smith D, Zernicke R.

Canadian Foundation for Innovation (2001-2006) Nutrition, Genetics and Human Performance. Co-investigator: \$3,256,247. Co-Investigators: Gravel RA, Exner D, Frank C, Herzog W, Lau D, MacIntosh B, Nigg B, Smith D, Zernicke R.

Alberta Barley Commission, Research Funding Program (2002-2004) Barley-Based Functional Foods/Nutraceuticals and Their Health Benefits. Co-investigator: \$45,000
Co-Investigators: Temelli F, Basu T, Bell R, Field C, Vasanthan T.

Alberta Agricultural Research Institute, Farming for the Future Research Funding Program (2001-2004) Barley-Based Functional Foods/Nutraceuticals and Their Health Benefits. Co-investigator: \$205,642
Co-Investigators: Temelli F, Basu T, Bell R, Field C, Vasanthan T.

NSERC Operating Grant (2002-2003) Impact of Nutrient-Gene Interactions on Metabolism. Principal Investigator: \$28,200

Alberta Innovation and Science Block Grant (2002-2003) Creation of a Molecular Screening Facility for Functional Foods and Nutraceuticals. Principal Investigator: \$60,000

URGC Starter Grant (2001-2002) Evaluation of Physical Activity Programs for Special Populations: A Pilot Project. Co-investigator: \$10,000. Co-investigators: Culos-Reed N, Doyle-Baker P, Paskevich D.

Alberta Innovation and Science Research Excellence Envelope (2000-2001) Molecular Nutrition and Metabolism. Principal Investigator: \$30,000

URGC Starter Grant (2000-2001) Molecular Targets in Nutrition for the Prevention of Chronic Disease. Principal Investigator: \$9,792

PUBLICATIONS IN REFEREED JOURNALS:

1. **Reimer RA**, McBurney MI (1996) Dietary fiber modulates intestinal proglucagon messenger ribonucleic acid and postprandial secretion of glucagon-like peptide-1 and insulin in rats. *Endocrinology* 137:3948-3956
2. **Reimer RA**, Field CJ, McBurney MI (1997) Ontogenic changes in proglucagon mRNA in BB diabetes prone and normal rats in response to feeding chow diets. *Diabetologia* 40:871-878

3. **Reimer RA**, Thomson ABR, Rajotte R, Basu T, Ooraikul B, McBurney MI (1997) A physiological level of rhubarb fiber increases proglucagon gene expression and modulates intestinal glucose uptake in rats. *Journal of Nutrition* 127:1923-1928
4. **Reimer RA**, Glen S, Field CJ, McBurney MI (1998) Proglucagon and glucose transporter mRNA is altered by diet and disease susceptibility in 30 day old Biobreeding BB diabetes prone and normal rats. *Pediatric Research* 44:68-73
5. **Reimer RA**, Thomson ABR, Rajotte R, Basu T, Ooraikul B, McBurney MI (2000) Proglucagon messenger ribonucleic acid and intestinal glucose uptake are modulated by fermentable fiber and food intake in diabetic rats. *Nutrition Research* 20:851-864.
6. Auer RN, Lau D, **Reimer R** (2001) Obesity in Canadian children. *Can Med Assoc J* 164:1563-1565.
7. **Reimer RA**, Darimont C, Nicolas-Métral V, Gremlich S, Rüegg UT, Macé (2001) A human cellular model for studying the regulation of glucagon-like peptide-1. *Endocrinology* 142:4522-4528.
8. Delzenne N, Ferre P, Beylot M, Daubioul C, Declercq B, Diraison F, Dugail I, Foufelle F, Foretz M, Mace K, **Reimer R**, Palmer G, Rutter G, Tavare J, Van Loo J, Vidal H (2001) Study of the regulation by nutrients of the expression of genes involved in lipogenesis and obesity in humans and animals. *Nutr Metab Cardiovasc Dis* 11(4 Suppl):118-121.
9. **Reimer RA**. (2002) The DASH diet: implications for persons with diabetes. *Canadian Journal of Diabetes*. 26(4):369-377.
10. **Reimer RA**, Leone-Vautravers P, Zbinden I, Harris CC, Pfeifer AMA, Macé K (2004) Dysregulation of fatty acid synthase mRNA in immortalized human hepatocyte cell lines in the presence of high glucose and the absence of GLUT2. *Nutrition Research* 24(5):321-336.
11. Lambert J, LaMothe JM, Zernicke RF, Auer RN, **Reimer RA**. (2005) Dietary restriction does not adversely affect bone geometry and mechanics in rapidly growing male Wistar rats. *Pediatric Research* 57(2): 227-231 (Epub December 7, 2004).
12. **Reimer RA**, Debert CT, House J, Poulin M. (2005) Dietary and metabolic differences in pre-versus postmenopausal women taking or not taking hormone replacement therapy. *Physiology and Behavior* 84(2):303-312. (Epub January 13, 2005).
13. Erdman KA, Fung TS, **Reimer RA**. (2006) Influence of Performance Level on Dietary Supplementation in Elite Canadian Athletes. *Medicine and Science in Sports and Exercise* 38:349-356.
14. **Reimer RA** (2006) Meat hydrolysate and essential amino acid-induced glucagon-like peptide-1 secretion in the human NCI-H716 enteroendocrine cell line is regulated by extracellular signal-regulated kinase 1/2 and p38 mitogen-activated protein kinases. *Journal of Endocrinology* 191:159-170.
15. Culos-Reed SN, Doyle-Baker PK, Paskevich D, Devonish J, **Reimer RA**. (2007) Evaluation of a Community-Based Weight Control Program. *Physiology & Behavior* 92:855-860.
16. Erdman KA, Fung TS, Doyle-Baker PK, Verhoef MJ, **Reimer RA**. (2007) Dietary Supplementation of High Performance Canadian Athletes by Age and Gender. *Clinical Journal of Sport Medicine* 17:458-464.
17. Eller LK, Ainslie PN, Poulin MJ, **Reimer RA**. (2008) Differential responses of circulating amylin to high-fat versus high-carbohydrate meal in healthy men. *Clinical Endocrinology* 68: 890-897

(Epub ahead of print Nov. 19, 2007)

18. **Reimer RA**, Russel JC. (2008) Glucose tolerance, lipids and GLP-1 secretion in JCR:LA-cp rats fed a high protein fiber diet. *Obesity* 16:40-46
19. Parnell JA, **Reimer RA**. (2008) Differential secretion of satiety hormones with the progression of obesity in the JCR:La corpulent rat model. *Obesity* 16:736-42.
20. Tunnicliffe JM, Erdman KA, **Reimer RA**, Lun V, Shearer J. (2008) Coffee consumption in physically active populations: physiological interactions. (*Appl Physiol Nutr Metab* 33:1301-10.
21. Chen Q, **Reimer RA**. (2009) Dairy protein and leucine alter GLP-1 release and mRNA of genes involved in intestinal lipid metabolism in vitro. (*Nutrition* 25:340-349; Epub ahead of print Nov. 24, 2008)
22. Maurer AD, Chen Q, McPherson C, **Reimer RA**. (2009) Changes in satiety hormones and expression of genes involved in glucose and lipid metabolism in rats weaned onto diets high in fiber or protein reflect susceptibility to increased fat mass in adulthood. (*J Physiol Lond* 587:679-691; Epub Ahead of Print Dec. 8, 2008).
23. Parnell JA, **Reimer RA** (2009) Oligofructose Promotes Weight Loss in Overweight and Obese Adults: A Randomized, Placebo-Controlled Trial. (*Am J Clin Nutr* 89:1751-1759; Epub Ahead of Print Apr. 22, 2009).
24. Stephenson LE, Bebb DG, **Reimer RA**, Culos-Reed SN. (2009) Physical Activity and Diet Behaviour in Colorectal Cancer Patients Receiving Chemotherapy: Associations with Quality of Life. *BMC Gastroenterology* 9(1):60-69.
25. Lun V, Erdman KA, **Reimer RA**. (2009) Evaluation of Nutritional Intake in Canadian High Performance Athletes (*Clinical Journal of Sport Medicine*19:405-411)
26. Eller LK, **Reimer RA**. (2009) Dairy protein attenuates weight gain in obese rats better than whey or casein alone. (*Obesity* Epub ahead of print Sept 24)
27. Drozdowski LA, **Reimer RA**, Temelli F, Bell RC, Vasanthan T, Thomson ABR. (2009) β -glucan extracts inhibit the in vitro intestinal uptake of long chain fatty acids and cholesterol, and downregulate genes involved in lipogenesis and lipid transport in rats. (*Journal of Nutritional Biochemistry* Epub ahead of print Aug 27)
28. Lorincz C, **Reimer RA**, Zernicke RF. (2009) High Fat and Sucrose Diet Effects on Bone Mechanical and Molecular Properties. (In Press *Br J Nutr*)
29. Parnell JA, **Reimer RA** (2009) Effect of prebiotic fiber supplementation on hepatic gene expression and serum lipids: a dose-response study in JCR: LA-cp rats (Accepted *Br J Nutr*)
30. **Reimer RA**, Pelletier X, Carabin IG, Lyon M, Gahler R, Parnell JA, Wood S. (2009) Increased Plasma PYY Levels Following Supplementation with the Functional Fiber PolyGlycopleX[®] in Healthy Adults. (Submitted to *Eur J Clin Nutr*)
31. Grover GJ, Koetzner L, Wicks J, Gahler RJ, Lyon MR, **Reimer RA**, Wood S (2009) Effects of the Soluble Fiber Complex PolyGlycopleX[®] (PGX[®]) on Insulin Resistance, Body Weight, Pancreatic β cell Viability, and Lipid Profile in Zucker Diabetic Rats. (Submitted to *Nutr & Metab*)
32. **Reimer RA**, Maurer AD, Yan H, Lau DCW, Auer RN. (2009) Long-Term Dietary Restriction Influences Plasma Ghrelin and GOAT mRNA Level in Rats. (Submitted to *Physiology & Behavior*)
33. Eller LK, **Reimer RA**. (2009) Dairy protein promotes weight loss with maintenance of lean body mass better than casein, whey, or soy in energy restricted diet induced obese rats. (Submitted to *J*

Nutr)

34. Grover G, Koetzner L, Wicks J, Gahler R, Lyon M, **Reimer RA**, Wood S. (2009) Effects of the Soluble Fiber Complex PolyGlycopleX® (PGX®) on Body Weight, and Triacylglycerols in Sucrose-Fed Rats. (Submitted to Br J Nutr)
35. Stephenson LE, Bebb DG, **Reimer RA**, Culos-Reed SN (2009) Physical Activity and Diet Intentions in Colorectal Cancer Patients Receiving Chemotherapy: Examining the Dual TPB Model and the Role of Social Support (Submitted to Psycho Oncology).
36. Maurer AD, **Reimer RA** (2009) Effect of maternal consumption of high fiber or protein diets during pregnancy and lactation on satiety hormones and expression of genes involved in glucose and lipid metabolism in offspring in rats. (Submitted to J Nutr Biochem)
37. Maurer AD, Eller LK, Hallam MC, Taylor K, **Reimer RA** (2009) Switching from diets high in protein or prebiotic fiber during growth to a high fat diet in adulthood influences body composition and satiety hormones in rats. (Submitted to Diabetologia)
38. Parnell JA, **Reimer RA** (2009) Prebiotic Fibers Induce Satiety through Energy Dilution and Hormone Modulation. (Submitted to Diabetes, Obesity & Metabolism)
39. Eller LK, **Reimer RA** (2009) Calcium and various proteins do not cause a conditioned taste aversion in Sprague-Dawley rats. (Submitted to Journal of Medicinal Food)
40. Fried A, Manske S, Eller LK, Lorincz C, **Reimer RA**, Zernicke RF. (2009) Dairy protein enhances trabecular bone architecture compared with casein or whey in obese rats. (Submitted to J Appl Physiol)
41. Chambers AP, Vemuri VK, Cluny NL, Wood JT, Eller LK, Freni C, **Reimer RA**, Lutz B, Makriyannis A, Sharkey KA (2009) Endogenous cannabinoid signaling regulates body weight through changes in energy intake in rats. (Submitted to Am J Physiol Regul Integr Comp Physiol)
42. LaMothe JM, **Reimer RA**, Russel JC, Zernicke RF. (2009) Genetic-related obesity does not adversely affect bone mechanical and morphometrical properties. (Submitted to J Applied Physiology)

BOOK CHAPTERS:

1. Michael I. McBurney, **Raylene A. Reimer**, Kelly A. Tappenden (1997) Short-chain fatty acids, intestinal adaptation and nutrient utilization. Dietary Fiber in Health and Disease, edited by Kritchevsky and Bonfield. Plenum Press, New York

PUBLICATIONS IN NON-REFEREED JOURNALS / CONFERENCE PROCEEDINGS:

1. **Reimer RA** (2008) Milk product intake: implications for weight control and type 2 diabetes. Can Nurse 104(5):20.
2. **Reimer RA** (2004) Tightening the Link Between Diet and Chronic Disease. CheckUp: The Magazine for Optimal Health. Issue 16.
3. **Reimer RA** (2004) Pro- and Prebiotics: Significance and Impact in Clinical Practice. Clinical Nutrition Rounds Vol. 4(3).
4. **Reimer RA** (1997) Regulation of intestinal proglucagon expression and GLP-1 secretion by diet in normal and diabetic states. Doctoral Dissertation, University of Alberta.

5. McBurney MI, Pluske JR, Yoo SS, **Reimer RA** (1994) Evidence that glutamine may be conditionally essential for the early-weaned piglet. Proc VIth Internat Symp Digestive Physiol of the Pig, Bad Doberan, Germany, EAAP Publication No 80:195-198

ABSTRACTS (POSTER OR ORAL PRESENTATION AT PROFESSIONAL MEETINGS):

Note underlined names represent trainees under my supervision.

1. Pyra KA, **Reimer RA** (2009) Prebiotic fiber supplementation in combination with metformin reduces food intake, regulates blood glucose and improves total energy balance in obese rats compared to either therapy alone. North American Association for the Study of Obesity, Washington, DC, October 24-28, 2009.
2. **Reimer RA**, Maurer AD, Lau DCW, Auer RN (2009) Despite a new lower body weight, hunger does not diminish after long-term dietary restriction in rats. Canadian Society for Clinical Nutrition/Canadian Society for Nutritional Sciences Annual Scientific Meeting, Quebec City, QC, May 31-June 2, 2009.
3. Lorincz C, **Reimer RA**, Zernicke RF (2009) High-frequency loading with rest insertion counterbalances high-fat-sucrose diet effects on bone properties. International Society of Biomechanics, Cape Town, South Africa, July 5-9, 2009.
4. Eller LK, Shearer J, **Reimer RA**. (2009) Leucine not calcium improves insulin sensitivity in obese rats. Keystone Symposia on Type 2 Diabetes and Insulin Resistance, Banff, AB, January 20-25, 2009.
5. **Reimer RA**, Hallam MC, Maurer AD, Eller LK. (2008) Mismatched early and adult dietary environments influence metabolomic profile, satiety hormone response and body fat mass in Wistar rats. North American Association for the Study of Obesity, Phoenix, AZ, October 3-7, 2008. Obesity 16 (Suppl):200-P.
6. Hallam MC, Eller LK, **Reimer RA**. (2008) PYY and proglucagon mRNA are upregulated by high fiber diet in a rat model of mismatched and then re-matched nutritional environment. North American Association for the Study of Obesity, Phoenix, AZ, October 3-7, 2008. Obesity 16 (Suppl):136-OR.
7. Wagner Jones K, Eller LK, **Reimer RA**. (2008) Effects of a high milk product/calcium diet on body composition and glucose and lipid control in overweight adults. North American Association for the Study of Obesity, Phoenix, AZ, October 3-7, 2008. Obesity 16 (Suppl):865-P.
8. Eller LK, Shearer J, **Reimer RA**. (2008) Insulin sensitivity is improved with leucine supplementation in diet induced obese rats. North American Association for the Study of Obesity, Phoenix, AZ, October 3-7, 2008. Obesity 16 (Suppl):207-P.
9. Tunncliffe J, Eller LK, Hallam MC, Su L, **Reimer RA**, Shearer J. (2008) Chlorogenic Acid Reduces Intestinal Glucose Absorption and Alters Gut Peptide Secretion. North American Association for the Study of Obesity, Phoenix, AZ, October 3-7, 2008. Obesity 16 (Suppl):202-P.
10. Tunncliffe J, Eller LK, Su L, **Reimer RA**, Shearer J. (2008) Chlorogenic Acid Does Not Directly Stimulate GLP-1 Secretion in Human Colon Cells. North American Association for the Study of Obesity, Phoenix, AZ, October 3-7, 2008. Obesity 16 (Suppl):201-P.
11. Lorincz C, **Reimer RA**, Zernicke RF. (2008) Dietary effects on bone mechanical properties and molecular markers. North American Congress on Biomechanics, Ann Arbor, Michigan, August 5-9, 2008.
12. Lun V, Erdman KA, **Reimer RA**. (2008) Evaluation of Nutritional Intake in Canadian High

Performance Athletes. Clin J Sport Med 18(2):190. Canadian Academy of Sport Medicine, Las Vegas, NV, March 25-29, 2008.

13. Maurer AD, **Reimer RA**. (2008) Weaning Diet in Rats Predicts Response to a High Fat/Sugar Diet in Adulthood. 1st Alberta CON-SNP Research Day, Calgary, AB, March 20, 2008

14. Maurer AD, **Reimer RA**. (2008) Negative predictive adaptive response of a high protein weaning diet in rats exposed to a high fat/sugar diet in adulthood. Experimental Biology '08, San Diego, CA, April 5-9, 2008. FASEB J 22:A5778.

15. Parnell JA, **Reimer RA**. (2007) Oligofructose Supplementation Promotes Weight Loss in Overweight Adults. North American Association for the Study of Obesity, New Orleans, LA, Oct. 20-24, 2007. Obesity 15 (Suppl):A59.

16. Chambers A, Eller LK, Vemuri K, Wood J, **Reimer RA**, Makriyannis A, Sharkey K. (2007) Anti-obesity effect of chronic treatment with a neutral CB1 receptor antagonist in rat. North American Association for the Study of Obesity, New Orleans, LA, Oct. 20-24, 2007. Obesity 15 (Suppl):A119.

17. Eller LK, **Reimer RA**. (2007) Differential effects of various proteins supplemented with calcium on the promotion of weight loss in calorie-restricted Sprague-Dawley Diet-Induced Obese rats. North American Association for the Study of Obesity, New Orleans, LA, Oct. 20-24, 2007. Obesity 15 (Suppl):A155.

18. Fried A, Manske SL, Lorincz C, Eller LK, **Reimer RA**, Zernicke RF. (2007) Dairy protein and calcium effects on bone structure and strength. Journal of Biomechanics 40 (Suppl 2):S373. International Society of Biomechanics, Taipei, Taiwan, July 1-5, 2007.

19. Maurer AD, **Reimer RA**. (2007) Early diets high in fiber or protein modulate GLP-1 secretion and intestinal growth in rats. Experimental Biology '07, Washington, DC, April 28-May 3, 2007. FASEB J 21:A3523.

20. **Reimer RA**, Parnell JA (2006) Prebiotic Fiber Supplementation Lowers Serum Lipids in an Obese Rat Model. North American Association for the Study of Obesity, Boston, MA, Oct. 20-24, 2006. Obesity 14 (Suppl):A64.

21. Maurer AD, **Reimer RA**. (2006) GLP-1 and leptin secretion are modulated by an early postnatal diet high in fiber. Early Human Development 82(8):552 (H-16). Dietary Origins of Health and Disease, Utrecht, Netherlands, Sept. 13-16, 2006.

22. Parnell JA, **Reimer RA** (2006) Effects of Prebiotic Fiber Supplementation on Body Weight and Satiety Hormones in JCR:La-Corpulent Rats. North American Association for the Study of Obesity, Boston, MA, Oct. 20-24, 2006. Obesity 14 (Suppl): A60.

23. Maurer A, **Reimer RA** (2006) An early diet high in fiber may provide protective effects. Experimental Biology '06, San Francisco, CA, April 1-5, 2006. FASEB J 20:A1316.

24. Parnell J, **Reimer RA** (2006) Prebiotic fiber improves satiety hormone and cholesterol profiles in an obese rat model. Experimental Biology '06, San Francisco, CA, April 1-5, 2006. FASEB J 20:A1314.

25. Eller LK, Ainslie P, Poulin M, **Reimer RA** (2006) The effect of a high fat and high carbohydrate meal on satiety hormone response and subjective hunger in humans. Experimental Biology '06, San Francisco, CA, April 1-5, 2006. FASEB J 20:A1002.

26. Eller LK, **Reimer RA** (2006) The effect of dairy protein and calcium on the prevention of weight gain in Sprague-Dawley Diet Induced Obese (DIO) rats. Experimental Biology '06, San Francisco, CA, April 1-5, 2006. FASEB J 20:A992. **Vitamin/Mineral RIS Poster Competition**

27. Chen Q, **Reimer RA** (2006) Dairy proteins and branched chain amino acids stimulate GLP-1 release and downregulate genes involved in fatty acid and cholesterol metabolism in the human NCI-H716 cell line. Experimental Biology '06, San Francisco, CA, April 1-5, 2006. FASEB Journal 20:A612.
28. Bandali F, Maloff B, Watson-Jarvis K, Davachi S, Reisch H, Caughey K, **Reimer RA**, Lau DCW (2005) A comprehensive strategy for the prevention of childhood obesity: The Calgary Initiative. Canadian Diabetes Association Scientific Meeting, Edmonton, AB October 19-22, 2005.
29. Parnell J, **Reimer RA** (2005) Differential Expression and Secretion of Satiety Hormones at the Onset and in Well-Established Obesity in Rats. Experimental Biology '05, San Diego, CA, April 2-6, 2005. FASEB J 19:A2959
30. Maurer A, **Reimer RA** (2005) Effect of Caloric Restriction on Intestinal Adaptation and Satiety Hormone Production in Rats. FASEB J 19:A5440 .
31. **Reimer RA** (2004) Effect of supplementing a high protein diet with fiber in the genetically obese JCR:La-corpulent rat. Obes Res 12 (Suppl):A114. North American Association for the Study of Obesity Annual Scientific Meeting, Las Vegas, NV. November 14-18, 2004.
32. Yan H, Dhillon B, Liu CSC, Mitchell JCA, **Reimer RA**, Russell, JC, Lau DCW (2004) Increased expression of proinflammatory cytokines and chemokines in adipose tissue of obese JCR:La-cp rats. Obes Res 12 (Suppl):A173. North American Association for the Study of Obesity Annual Scientific Meeting, Las Vegas, NV. November 14-18, 2004.
33. **Reimer RA** (2004) Novel barley extracts regulate expression of genes involved in fatty acid and cholesterol metabolism. Canadian Journal of Diabetes 28:A169. Canadian Diabetes Association Scientific Meeting, Quebec City October 27-30, 2004.
34. Yan H, Wang Y, Dhillon B, Auer R, **Reimer R**, Lau DCW (2004) Calorie restriction decreased c-reactive protein expression in white adipose tissue in rats. Canadian Journal of Diabetes 28:A141. Canadian Diabetes Association Scientific Meeting, Quebec City October 27-30, 2004.
35. Parnell JA, **Reimer RA**. Characterization of the Genetically Obese JCR:La-corpulent Rat Gut. Biochemistry and Molecular Biology Retreat, Banff. October 26-27, 2004.
36. LaMothe J, **Reimer RA**, Zernicke RF (2004) Genetic-related obesity does not adversely affect bone mechanical and morphometrical properties. Canadian Soc for Biomechanics, Halifax, August 4-7, 2004.
37. **Reimer RA**. (2003) High fiber and protein diets improve blood lipids in the JCR:La-corpulent rat. Canadian Journal of Diabetes 27:A134. Canadian Diabetes Association Scientific Meeting, Ottawa, ON. October 15-18, 2003.
38. **Reimer RA**, Blakely RM (2003) Effect of diets high in protein and fiber on obesity in the JCR:La corpulent rat. FASEB J 17:A679.2.
39. Field C, Schley T, Stillie R, **Reimer R**. (2002) The effect of prebiotics and probiotics on the immune system. (2002) Australian Parenteral and Enteral Nutrition AuSPEN 28th Scientific Meeting. Adelaide, South Australia, Oct 24-26, 2002.
40. **Reimer RA**. Role of MAP kinases in meat hydrolysate induced GLP-1 secretion. (2002) Canadian Diabetes Journal 26:AA186. Canadian Diabetes Association Scientific Conference. Vancouver, BC, October 2-5, 2002
41. **Reimer RA**, Lee K (2002) Survey of transcriptional changes with meat hydrolysate in NCI-H716 enteroendocrine cells. FASEB J 16:C163
42. **Reimer RA**, Darimont C, Nicolas-Métral V, Gremlich S, Rüegg UT, Macé K (2001) Dietary

- regulators of GLP-1 secretion in a human enteroendocrine cell line. Canadian Journal of Diabetes Care 25:A124. Canadian Diabetes Association Scientific Conference. Edmonton, AB, October 17-20, 2001
43. **Reimer RA**, Darimont C, Nicolas-Métral V, Gremlich S, Rüegg UT, Macé (2000) A human cellular model for studying the regulation of glucagon-like peptide-1. The North American Association for the Study of Obesity. Long Beach, CA, October 29-November 2, 2000
44. **Reimer RA**, Pfeifer A, Macé KA (1999) Effect of SCFA on lipogenesis in a new human hepatocyte cell line. FASEB Journal 13:A926
45. McBurney MI, **Reimer RA**, Thomson ABR, Rajotte RV, Basu TK, Ooraikul B (1998) Rhubarb fiber and food intake modulate proglucagon gene expression and intestinal glucose uptake in diabetic rats. International Congress of Nutrition
46. **Reimer RA**, McBurney MI, Baracos VE, Thomson ABR, Basu T, Ooraikul B (1997) Modulation of glucose homeostasis by rhubarb fiber and GLP-1. Federation of American Societies for Experimental Biology Journal 11:A3533
47. McBurney MI, **Reimer RA**, Thomson ABR, Basu T, Ooraikul B (1997) Rhubarb fiber modulates proglucagon gene expression and intestinal glucose uptake in rats. Federation of American Societies for Experimental Biology Journal 11:A3531
48. **Reimer RA**, Baracos VE, McBurney MI (1996) Effect of dietary fiber and GLP-1 on uptake of glucose in skeletal muscle. Federation of American Societies for Experimental Biology Journal 10:A3011
49. **Reimer RA**, Baracos VE, McBurney MI. (1996) GLP-1 Inhibits glucose uptake in skeletal muscle from rats *in vitro*. Canadian Federation of Biological Societies 39:A001
50. **Reimer RA**, McBurney MI. (1996) Incretin expression and secretion is altered with dietary fiber in rats. Canadian Association of Gastroenterology Meeting, The Canadian Journal of Gastroenterology 10(SupplA):F21
51. **Reimer RA**, McBurney MI (1995) GLP-1(7-37) and dietary fiber: important mediators in the enteroinsular axis and in glucose homeostasis. Canadian Federation of Biological Societies 38:A94
52. **Reimer RA**, McBurney MI (1995) Dietary fiber modulates proglucagon-derived peptide gene expression and insulin secretion in rats. Federation of American Societies for Experimental Biology Journal 9:A4220 **AIN/Procter & Gamble Graduate Student Award.**
53. McBurney MI, Pluske JR, Yoo SS, **Reimer RA** (1994) Evidence that glutamine may be conditionally essential for the early-weaned piglet. Proc VIth Internat Symp Digestive Physiol of the Pig, Bad Doberan, Germany, EAAP Publication No 80:195-198
54. **Reimer RA**, McBurney MI (1994) Dietary fiber intake regulates intestinal glucagon gene expression in rats. Canadian Federation of Biological Societies 37:A177 **Mary Ecclestone Graduate Student Award.**

PATENTS:

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1. "Use of a Milk Protein in the Treatment of Diabetes"
 European Patent EP1235585
 UK Patent Application #9927603.2
 Principal Inventor: Raylene A. Reimer
 Joint Inventors: K. Macé, C. Darimont, J.-R. Neeser
 Applicant: Société des Produits Nestlé

2. “Treatment of Diabetes with Milk-Protein Hydrolysate”

US2003004095

Patent Application #PCT/EP00/10716

Principal Inventor: Raylene A. Reimer

Joint Inventors: K. Macé, C. Darimont, J.-R. Neeser

Applicant: Société des Produits Nestlé

SCIENTIFIC INVITED TALKS:

1. Population Health Research Group

Tom Baker Cancer Centre, Calgary, AB, February 5, 2009

“The Link Between Cancer and Obesity: Nutritional Strategies That Work to Reduce the Risk”

2. Women Scholars Invited Lecture Series

University of Lethbridge, Lethbridge, AB, January 30, 2009

“Weighing In” on Effective Nutritional Strategies for Obesity & Type 2 Diabetes

3. Behavioural Neurosciences Research Group

University of Calgary, April 8, 2008

“Obesity: Is it all just a gut reaction?”

4. Alberta Canadian Obesity Network – Student & New Professional Research Day

University of Calgary March 20, 2008

“Diet and the Gut: 2 Centres of the Universe”

5. Nutrition File 2008

Edmonton, AB (February 12th) and Calgary, AB (February 13th, 2008)

“Pre- and Probiotics: The Overview

6. Nestle Nutrition Seminars

Foothills Hospital, Calgary and 25 Telehealth sites from Alberta, Saskatchewan and Manitoba
November 28, 2007

“Pre- and Probiotics”

7. Keynote Speaker. Nestle Nutrition Presents: Topics in Nutrition Support 2007

Vancouver, BC October 27, 2007

“Pre- and Probiotics: Body Armor Against Sick Days”

8. Western Obesity Summit

Kananaskis, AB May 6-8, 2007

“Nutritional regulation of gut hormone synthesis and release”

9. University of Alberta Nutrition Seminars

Edmonton, AB March 27, 2007

“Promising dietary interventions that regulate gut satiety hormones and bridle food intake”

10. University of Calgary Mini-Med School
Calgary, AB November 2, 2005
“Nutrition and Diet”

11. Grand Rounds Alberta Children’s Hospital
Calgary, AB, March 23, 2005
“Pre- and Probiotics in Clinical Practice”

12. Northeast Pediatric Gastroenterology and Nutrition Conference
Magog, Quebec October 2, 2004
“Pre- and Probiotics: What’s In It For Our Patients?”

13. Canadian Society for Intestinal Research
Vancouver, BC April 17, 2004
“Pre- and Probiotics: The Battle of the Bugs”

14. Behavioural Neurosciences Research Group
University of Calgary, December 9, 2003
“Regulators of appetite and food intake”

15. Nestle Nutrition Seminars
Vancouver, BC March 12-13, 2003
“Pre and Probiotics: Old Bugs, New Science”

16. Inaugural Canadian Society for Clinical Nutrition Conference
Nutrition in Health and Disease: The State of the Nation
Toronto, ON May 3-4, 2002
“Pre and Probiotics: Significance and Impact”

17. Canadian Diabetes Association Professional Conference
Edmonton, AB October 17-20, 2001
“The DASH Diet: Implications for Persons with Diabetes”

18. University of Alberta Nutrition and Metabolism Seminar Series
Edmonton, AB November 29, 2000
“Nutritional Regulation of GLP-1: A Candidate for the Treatment of Diabetes”

19. Canadian Federation of Biological Societies
Skeletal Muscle Metabolism Workshop
London, ON June 1996
“GLP-1 Inhibits Glucose Uptake in Skeletal Muscle from Rats *In Vitro*”

TECHNICAL RECORDINGS:

Interactive CD

“Pre- and Probiotics: Significance and Impact”

Recorded October 1, 2004 at CD Pharma, Montreal, Quebec

Interactive educational tool for continuing medical education for physicians and dietitians across Canada.

TEACHING:

Undergraduate courses

KNES 237 Introduction to Nutrition

Sole instructor (Enrolment 180 students/year)

KNES 437 Advanced Nutrition

Sole Instructor (Enrolment 40 students/year)

KNES 503.37 Special topics in Kinesiology: Nutrition in Chronic Disease

Independent study sole instructor (Enrolment 1 student/year)

MDSC 507 Special Problems in Medical Science: Topics in Obesity Research

Independent study sole instructor (Enrolment 1 student/year)

KNES 490 Interpretation of Research and Research Project

Research project supervisor (1 student bi-annually)

KNES 593.39 Practicum

Practicum supervisor (2-4 students/year)

Medicine 302 Principles for Medicine - Guest lecture on nutrition

DNCE 203 Dancing: Body, Mind and Culture - Guest lecture on nutrition

KNES 355 Growth & Development – Guest lecture on nutrition

Graduate courses

KNES 637 Nutrition for Physically Active Populations

Sole instructor (Enrolment 5-8 students/year)

MDSC 751.02 Cellular and Molecular Mechanisms in the Pathogenesis of Diabetes Mellitus

Team instructor (Enrolment 6 students/year)

KNES 603.63 Special Topics in Kinesiology: Nutritional Ergogenic Aids

Independent study sole instructor (Enrolment 1 student/year)

KNES 675.24 Special Topics in Exercise Physiology: Recovery Strategies for Sport

Independent study sole instructor (Enrolment 1 student/year)

MDSC 755.36 Directed Study: Techniques in Molecular Nutrition
Independent study sole instructor (Enrolment 1 student bi-annually)

MED 575 Nutrition and Metabolism Seminar Course (University of Alberta) - Guest lecture

SUPERVISION OF TRAINEES:

Primary Supervisor: Graduate/Postdoctoral Students

Megan Hallam, MSc (09/2008-present)
Danielle Reid, BSc/MSc (Integrated MSc Route: 05/2008 – present)
Caeley Lorincz, PhD (Co-Supervisor, 09/2008-present)
Jeff Zahavich, MSc (Co-Supervisor; 05/2008-present)
Kim Pyra, MSc (09/2007-present)
Kim Wagner Jones, MSc (09/2006-present)
Lindsay Eller, PhD (09/2004-present)
Alannah Maurer, PhD (09/2003-present)
Gigi Ho, Master of Biomedical Technology (09/2008-present)
Jill Parnell, PhD (09/2003-06/2008)
Qixuan Chen, Postdoctoral Fellow (09/2004-02/2006)
Kelly Anne Erdman, MSc (09/2002-04/2004)
Monty Ghosh, Master of Biomedical Technology (09/2003-09/2004)
Nathan Doerksen, Master of Biomedical Technology (09/2002-09/2003)
Kristine Cannon, Master of Biomedical Technology (09/2002-09/2003)
Linda Mills, Master of Biomedical Technology (09/2001-09/2002)
Brian Carruthers, MSc (01/2001-08/2001) Accepted to Medical School

Primary Supervisor: Undergraduate Students/Dietetic Interns

Kristen Barton, NSERC Undergraduate Summer Research Student (05/2009 – 08/2009)
Amanda Eslinger, O'Brien Health Sciences Summer student (05/2009 – 08/2009)
Julie Rabnett, USRP Undergraduate Student Research Program (05/2009-08/2009)
Kim Taylor, USRP Undergraduate Student Research Program (09/2008-04/2009)
Carol Henke, Undergraduate Practicum Student (01/2009-04/2009)
Brendan Groat, Undergraduate Practicum Student (01/2009-04/2009)
Brad Lorriman, Undergraduate Practicum Student (01/2009-04/2009)
Chantelle Elson, USRP Undergraduate Student Research Program (Co-supervisor: 05/2008-08/2008)
Lindsay Farr, Undergraduate Practicum Student (01/2008 – 04/2008)
Chantelle Elson, Undergraduate Practicum Student (01/2008 – 04/2008)
Paul Reglin, Undergraduate Practicum Student (09/2007 – 11/2007)
Dan Nixon, Undergraduate Practicum Student (09/2007 – 11/2007)
Megan Hallam, NSERC Undergraduate Summer Research Student (05/2007 – 08/2007)
Lakin Halvorson, Undergraduate Practicum student (05/2007 – 06/2007)
Sarah Flood, Undergraduate Practicum student (01/2007 – 04/2007)
Michelle Oszust, Undergraduate Practicum student (01/2007 – 04/2007)
Christine McPherson, USRP Undergraduate Student Research Program (09/2006 – 04/2007)

Amy Parker, Dietetic Intern (06/2006 – 09/2006)
Emily Stevenson, O'Brien Health Sciences Summer student (05/2004 – 08/2004)
Meghan Richards, NSERC Summer student (05/2004 – 08/2004)
Khalil Dharjit, Summer student 2-week rotation (05/2004)
Jennifer Lambert, Markin-Flanagan Scholar (09/2003-12/2003)
Heather Boyd, Dietetic Intern (03/2003-06/2003)
Jennifer Duffin, Dietetic Intern (09/2002-12/2002)
Reta Blakely, Summer Student (05/2002 – 11/2002)
Leah Bowen, KNES 490 Research Project (09/2001-04/2002)

Supervisory Committee Member:

Sharon Rowan, MSc (06/2009 – present)
Sarah Richmond, PhD (11/2008 – present)
Jasmine Tunnicliffe, MSc (05/2008 – present)
Jeffrey Zahavich, MSc (01/2008 – present)
Kelly Dinsmore, MSc (01/2008 – 03/06/2009)
Melissa Thomas, PhD (09/2006 – present)
Caeley Lorincz, PhD (09/2004-06/12/2009)
Allison Venner, PhD (11/2004-12/2008)
Lynette Stephenson, MSc (09/2006 – 01/2008)
Bikramjit Dhillon, MSc (04/2003-06/2006)
Mohammed Abdel-Hafez, MSc (09/2000–12/2003)
Chantel Debert, MSc (09/2001 – 08/2003)
Maureen Kennedy, PhD (09/2002 – 04/2003)

Examiner:

Kelly Dinsmore, MSc Thesis Defence (03/06/2009)
Allison Venner, PhD Thesis Defence (12/2008)
Jill Parnell, PhD Thesis Defence (06/2008)
Lynette Stephenson, MSc Thesis Defence (01/2008)
Tanis Fenton, PhD Thesis Defence (11/2007)
Allison Venner, PhD Candidacy Exam (12/2006)
Alannah Maurer, PhD Candidacy Exam (12/2006)
Natasha Harvey, PhD Thesis Defence (10/2006)
Adam Chambers, PhD Candidacy Exam (10/2006)
Jill Parnell, PhD Candidacy Exam (09/2006)
Karen Ross, MSc Thesis Defence (08/2006)
Bikramjit Dhillon, MSc Thesis Defence (06/2006)
Edit Somogyi, MSc Thesis Defence (05/2005)
Lisa Daroux, MSc Thesis Defence (04/2005)
Monty Ghosh, Master of Biomedical Technology (MBT) (09/2004)
Mark Barrett, MKin Comprehensive Exam (06/2004)
Kelly Anne Erdman, MSc Thesis Defence (04/2004)
Mohammed Abdel-Hafez, MSc Thesis Defence (12/2003)
Christopher Barnsdale, MSc Thesis Defence (10/2003)

Nathan Doerksen, MBT (09/2003)
Kristine Cannon, MBT (09/2003)
Chantel Debert, MSc Thesis Defence (08/2003)
Andrew Carley, PhD Candidacy Exam (09/2003)
Linda Mills, Master of Biomedical Technology (09/2002)
Sabiha Noor Zaman, Master of Biomedical Technology (09/2002)
Saima Ali, Master of Biomedical Technology (08/2002)
Daniel Khalil, Master of Biomedical Technology (09/2002)

Neutral Chair:

Jill Norris, MSc Thesis Defence (06/2008)
Aviv Fried, MSc Thesis Defence (02/2008)
Trevor Brooks, Master of Biomedical Technology (08/2003)
Ronen Behar, Master of Biomedical Technology (07/2003)

UNIVERSITY SERVICE:

Committee Membership

Academic Appointment Review Committee (Kinesiology; 2008-2009)
Research & Scholarship (Sabbatical) Leave Committee (Kinesiology; 2008)
Health Sciences Animal Care Committee (March 2007 – March 2010)
Faculty of Kinesiology Faculty Promotions Committee (July 2006-present)
Beth Zaruby Lectureship Committee (September 2006 – present)
Faculty of Kinesiology Academic Appeals Committee Alternate (July 2006 – June 2007)
Faculty of Kinesiology Recruitment & Selection Committee (June – October 2006)
Faculty of Kinesiology Recruitment & Selection Committee (January – April 2005)
University Research Grants Committee (URGC), University of Calgary (June 2003 – June 2005)
Curriculum Policy Committee, Faculty of Kinesiology (May 2001 – May 2005)
Biological Sciences Headship Recruitment and Selection Committee, Faculty of Science (November 2003 – February 2005)
Faculty of Kinesiology Representative to Faculty of Nursing (July 2004 – June 2005)
Graduate Education Committee: Master of Biomedical Technology, Faculty of Medicine (September 2001 – March 2004)
Admissions Committee: Master of Biomedical Technology, Faculty of Medicine (September 2001 – March 2004)
Faculty of Medicine Coordinator, High School Science Enrichment Program (April 2002 – April 2004)
Faculty of Kinesiology Fitness Challenge Advisory Committee (September 2004 – December 2004)
Research Policy Committee, Faculty of Kinesiology (May 2001 – May 2004)
Julia McFarlane Diabetes Research Centre Recruitment & Selection Committee, Faculty of Medicine (February – March 2002)
Department of Medical Genetics Recruitment & Selection Committee, Faculty of Medicine (February 2001)
Diabetes and Endocrine Research Group Recruitment & Selection Committee, Faculty of Medicine (September – December 2001)
Budget Committee, Nutrition, Genetics and Human Performance, Faculty of Kinesiology (October

2003 – October 2004)

University of Calgary Academic Recruitment and Retention Task Force, Focus Group Member
(October 2000)

PROFESSIONAL SERVICE:

Grant Review

CIHR Operating Grants [Member: Nutrition, Food & Health Peer Review Committee (2008-2009)]

CIHR Operating Grants: External Reviewer

CIHR International Opportunities Grants: External Reviewer

NSERC Discovery Grants: External Reviewer

Canadian Diabetes Association Operating Grants: External Reviewer

Canadian Diabetes Association Applied Research Grants: External Reviewer

Canadian Foundation for Dietetic Research Operating Grants: External Reviewer

Health Canada: Prevention and Promotion Diabetes Strategy: External Reviewer

Community Framework for the Prevention of Obesity: External Reviewer

Alberta Crop Industry Development Fund: External Reviewer

Manuscript Review

American Journal of Physiology – Endocrinology and Metabolism

Journal of Nutrition

British Journal of Nutrition

Canadian Journal of Applied Physiology

Canadian Journal of Diabetes

Clinical Journal of Sport Medicine

Canadian Journal of Physiology and Pharmacology

International Immunopharmacology

Journal of Aging and Physical Activity

Dietitians of Canada

Conference Organization/Professional Committees

Nestle CSCN/CSNS Student Abstract Competition Judge, April 2009

Western Obesity Summit, Symposium Chair and Organizer 2007

Community Prevention of Childhood Obesity, Steering Committee Member 2003-present

Calgary Sport Centre Calgary, Advisory Committee on Drugs and Supplementation 2002-2006

Calgary Cardiovascular Network, Hypertension Subcommittee Member 2001-2005

Integrative Health Institute Research and Evaluation Committee Member 2003-2005

IOC Congress (Athens, Greece), Symposium Organizer 2003

Canadian Diabetes Association Scientific Meeting, Symposium Organizing Committee 2001

COMMUNITY SERVICE:

1. Guest lecture: Lunch and Learn – “Weighty Issues: How Diet Affects our Genes” University of Calgary, 2009
2. Guest lecture: “Controlling Diabetes and Overweight: Today and into the Future”. Kerby Centre, Calgary, 2008
3. Guest lecture: “Preventing Type 2 Diabetes and Debunking Myths about Fad Diets”.

- Diabetes Awareness Day. University of Calgary, 2004.
4. Guest lecture: "Who's Winning the Food Fight: The Low-Down on Obesity". Big Rock University Lecture Series, 2004
 5. Guest lecture: "How Today's Foods Are Super-Sizing Our Kids". Kinesiology Active Living Series, 2004
 6. Guest lectures: "The Best Diet to Battle the Bulge". Diabetes Awareness Day. U of Calgary, 2003
 7. Guest lecture: "Optimizing Your Health With Nutrition". CANA Ltd., 2002
 8. Guest lecture: "Keys to Healthy Eating". Okotoks Swim Club, 2001

MEDIA INTERVIEWS:

1. Prevention Magazine, Angela Pirisi: "How science is showing that nutrients can help with weight control" (October 13, 2009)
2. Vitasearch.com, Kirk Hamilton: "Expert Interviews: "Weight Loss During Oligofructose Supplementation Is Associated With Decreased Ghrelin And Increased Peptide YY In Overweight And Obese Adults," Parnell JA, Reimer RA, *Am J Clin Nutr*, 2009; 89(6): 1751-9." (June 25, 2009)
3. Radio Canada, Gabriella Mayorquin: "Early dietary programming of obesity risk in adulthood" (February 4, 2009)
4. CTV Newsnet, Scott Laurie: "Childhood diet and weight gain in adulthood" (January 14, 2009)
5. News Release: "Early childhood diet programs obesity risk in adulthood" Interviews with Canadian Press, CBC Radio, CBC TV, Global TV, City TV, The Calgary Sun, and Shaw TV (January 14, 2009). National and international coverage in over 60 television, radio, print and online venues.
6. QR77 Radio, Andy Gregory: "Childhood diet determines chronic disease risk in adulthood" (January 14, 2009)
7. CTV News, Karen Owen: "Early diet programs increased obesity in adulthood" (January 13, 2009)
8. Calgary Herald, Michelle Magnan: "Fresh ideas from health and wellness research" (January 6, 2009)
9. CBC Radio Quirks & Quarks, Cassie Williams: "Use of cranberry juice in preventing urinary tract infections" (November 27, 2008)
10. Food for Thought Magazine, Tracy Hyatt: "Fatty acid composition of lard" (October 22, 2008)
11. Leslie Beck Nutrition (CTV Canada AM): "Dietary fiber supplements" (April 23, 2008)
12. Global TV, Michelle Schurman: "Fact or fiction: myths about drinking water and artificial sweeteners" (April 18, 2008)
13. SAIT TV, Ali Rutherford: "Infant nutrition: are organics better?" (April 2, 2008)
14. Global TV, Michelle Schurman: "Prebiotic fiber: an effective weight loss supplement" (March 3, 2008)
15. Conduit Magazine (official publication of the Canadian Obesity Network), Sarah Van Engelen: "Role of diet composition in early dietary programming" (February 11, 2008)
16. Chatelaine Magazine, Andre Voshart: "How to make the most of your metabolism" (January 24, 2008)

17. CBC Radio, Donna McElligot: "Dairy products and the metabolic syndrome" (January 8, 2008)
18. CTV News, Karen Owen: "Low-fat milk product intake and prediabetes" (November 13, 2007)
19. QR77, Tara Fedun: "Milk and weight loss" (November 13, 2007)
20. Calgary Metro, Christa Sylvester: "Dairy and body fat loss research trial" (November 13, 2007)
21. Toronto Star, Megan Ogilvie: "Epigenetics and obesity" (August 28, 2007)
22. Avenue Magazine, Candace Valentine: "Early diet and genetic programming" (July 25, 2007)
23. News release: "New questions about early childhood nutrition" (May 17, 2007) Interviews by 3 television stations, 2 newspapers and 3 radio stations.
24. Men's Health Magazine, Denny Watkins: "New fibre supplement to help curb the bulging waistline" (March 13, 2007)
25. U of C Zine, Irfan Jessa: "New Advancements in Obesity Treatment Made in the Human Performance Lab" (March Edition, 2007)
26. News release: "Natural fibre may take extra pounds away" (January 31, 2007) Interviews by 7 television stations, 2 newspapers and 1 radio station.
27. Global TV, Michelle Schurman: "Citrus crisis and vitamin C rich foods" (January 19, 2007)
28. CTV National News, Sarah Galashan: "Death linked to hyperhydration and fluid requirements" (January 15, 2007)
29. Canadian Living, Jaclyn Newman: "Vitamin B12 deficiencies in obese children" (November 7, 2006)
30. Shaw TV, Pearl Tsang: "Greater obesity rates in rural versus urban Canadians" (August 23, 2006)
31. CTV National News, Sarah Galashan: "Supplements and Canadian Food Inspection Agency" (May 2, 2005)
32. Calgary Herald, Opinion Piece: "High Fructose Corn Syrup" (March 9, 2005)
33. Calgary Sun, Andrea Radke: "Teens, Diabetes, Diet and Obesity" (March 6, 2005)
34. Calgary Herald, Lin Connery: "Seniors and Unique Nutritional Challenges" (January 11, 2005)
35. CBC TV Newsworld, Cam McIntosh: "Obesity Trends in Canada and Impact on Transport Canada Raising Average Passenger Weights for Airlines" (December 22, 2004)
36. A-Channel, Leah Sarich: "Banning Trans Fats in the Canadian Food Supply" (November 25, 2004)
37. Faculty Research Profiles, Donna Gray: "Role of Diet Composition in Preventing and Treating Obesity and Diabetes" (October 25, 2004)
38. Ottawa Citizen/Canwest, David Agren: "Detoxifying Diets" (October 4, 2004)
39. City TV Vancouver, Cindy Leong: "Probiotics" (August 18, 2004)
40. Calgary Sun, Michelle Mark: "The 7 Deadly Sins – Gluttony" (August 4, 2004)
41. Calgary Sun, Teresa Taylor: "Bad Breath and Risks of the Atkins Diet" (May 17, 2004)
42. Calgary Sun, Lorena Johnson: "10 Best and Worst Foods for Health" (March 3, 2004)
43. Calgary Sun, Kyla Hoggan: "50-Plus Nutrition and Fitness" (February 27, 2004)
44. A-Channel, Leah Sarich: "Is Chocolate Healthy?" (February 13, 2004)
45. Edmonton Sun, Wendy Jacobs: "Heart and Stroke Foundations New Recommendations on

- Obesity (February 12, 2004)
46. CBC Radio, Eyeopener with Jeff Collins: "Childhood Obesity and Food" (January 22, 2004)
 47. CBC National, Crystal Goomansingh: "Atkins Low Carbohydrate Diet" (January 20, 2004)
 48. A-Channel, Leah Sarich: "Biophotonic Scanner to Measure Antioxidants in Skin" (January 14, 2004)
 49. CBC Radio, Corinne Cryan: "Vending Machine Removal from Schools" (January 6, 2004)
 50. CBC TV, Rick Donkers: "Soft Drinks Banned in Elementary and Junior High Schools" (January 6, 2004)
 51. A-Channel, Leah Sarich: "Echinacea and Energy Boosters in Smoothie Drinks" (November 28, 2003)
 52. Calgary Herald, Val Berenay: "Food Inspection Agency Probe into Power Bars and Sport Drinks" (November 20, 2003)
 53. NorthHill Publications, Bryan Alary: "Obesity and Inactive Lifestyles" (September 17, 2003)
 54. CBC Radio, Calgary Eyeopener with Jeff Collins: "Back to School Lunches and Snacks" (September 3, 2003)
 55. CBC Radio, Home Stretch with Andrew Schultz: "Low-Calorie Summer Drinks" (August 15, 2003)
 56. CBC Radio, Home Stretch with Sharon Edwards: "Are Our Children Living in a Toxic Food Environment?" (April 7, 2003)
 57. Canadian Press, Carol Harrington: "Toxic Food Environment" (March 25, 2003)
 58. Parallel for University of Calgary Annual Research Report, Jacqueline Louie: "Eating Right for Health" (March 10, 2003)
 59. A-Channel, Helen DeVries: "Health Effects of Processed Lunches for Children" (January 29, 2003)
 60. CBC Radio, Home Stretch with Sharon Edwards: "Nutritional Content of Fast Food Healthy Choices Menus" (January 23, 2003)
 61. A-Channel, Tracy Prediger: "Food Irradiation" (December 2002)
 62. Global Television, Jennifer Lyall: "Childhood Obesity and Health Consequences" (November 2002)
 63. QR77 Radio, Bruce Kenion: "Nutrition and High Blood Pressure" (September 2002)
 64. Empire Group, Jacksonville, FL; Will Sligel: "GLP-1 Analogues and Diabetes" (2002)
 65. Mount Royal College Journal, Todd Herman: "Organic Foods" (2002)
 66. Pixcom Productions for Discovery Canada, Janet Torge: "Performance Series: Fuelling the Body" (November 13, 2001)
 67. Chamber of Commerce, Mark Lowey: "Reverse Brain Drain" (September 29, 2000)