

Curriculum Vitae (Abridged)

Paul J. Currie

Date of Preparation

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A. Personal Information

Address: Department of Psychology
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B. Degrees in Higher Education

Ph.D. University of Manitoba, Winnipeg, Manitoba
Awarded: 1992
Psychology (Behavioral Neuroscience)

M.A. University of Manitoba, Winnipeg, Manitoba
Awarded: 1988
Psychology (Behavioral Neuroscience)

A.B. (Hon.) Queen's University, Kingston, Ontario
Awarded: 1985
Psychology

C. Additional Professional Training

<i>Position</i>	<i>Years</i>	<i>Institution</i>
Research Fellow/Associate	1995-1998	Department of Psychology Wayne State University Detroit, MI
Postdoctoral Fellow	1994-1995	Department of Nutritional Sciences University of Toronto, Toronto, ON
Postdoctoral Fellow	1992-1995	Clarke Institute of Psychiatry University of Toronto, Toronto, ON

D. Professional Experience and Academic Appointments

<i>Position</i>	<i>Years</i>	<i>Institution</i>
Professor	2009-present	Department of Psychology Reed College Portland, OR
Associate Professor	2007-2009	Department of Psychology Reed College Portland, OR

Assistant Professor	1998-2007	Department of Psychology Barnard College, Columbia University New York, NY
Columbia University Graduate Faculty Appointment	2000-2007	School of Graduate Studies Columbia University New York, NY
Department Representative	Two Year Term 2003-2005	Department of Psychology Barnard College Columbia University New York, NY
Lecturer	1996-1998	Department of Psychology Wayne State University Detroit, MI
Lecturer	1994-1995	Department of Psychiatry Faculty of Medicine University of Toronto Toronto, ON

E. Academic and Professional Honors

Gladys Brooks Junior Faculty Excellence in Teaching Award, Barnard College, (2004).
 National Institute of Nutrition Postdoctoral Fellowship, (1992-1994).
 International Conference on the Physiology of Food and Fluid Intake Travel Award, (1993).
 Manitoba Health Research Council Predoctoral Scholarship, (1988-1991).
 Canadian Association for Neuroscience Travel Scholarship, (1990).
 University of Manitoba Graduate Fellowship, (1990; Awarded but not accepted).
 Alfred Rea Tucker Memorial Scholarship, (1990; Awarded but not accepted).

F. Current Memberships in Professional Societies

Association for Psychological Science (Member, 1994-present)
 Columbia University Seminar on Appetitive Behavior (1998-present)
 Faculty for Undergraduate Neuroscience (Member, 2004-present)
 International Brain Research Organization (Member, 1992-present)
 Society for Neuroscience (Member, 1992-present)
 Society for the Study of Ingestive Behavior (Member, 1992-present)
 Western Psychological Association (Member, 2008-present)

G. Teaching Experience

Courses Taught at Reed College

Behavioral Neuroscience with Laboratory, PSY 333, 2007-present.
 Behavioral Neuroscience Research, PSY 433, 2008-present
 Introduction to Psychology, PSY 121, 2007-present
 Psychopharmacology, PSY 338, 2008-present

Research Supervision and Activities

Senior Thesis Adviser, Reed College, PSY 470, 2007-present
 Reed College Science Research Fellowship, mentor, 2008-present
 Mellon Foundation & A.V. Davis Opportunity/Initiative Grants, Reed College, mentor, 2008-present

H. Scholarly and Research Achievement (Student co-authors in bold)

- Currie, P. J., **Khelemsky, R., Rigsbee, E.M., Dono, L.M., Coiro, C.D., Chapman, C.D., Hinchcliff, K.** (2011). Ghrelin is an orexigenic peptide with anxiogenic activity in discrete regions of the hypothalamus, *Behavioural Brain Research*, submitted.
- Chapman, C.D., Dono, L.M., French, M.C., Weinberg, Z.Y., Schuette, L.M.,** & Currie, P.J., (2011). Endocannabinoid signaling in the paraventricular nucleus of the hypothalamus stimulates eating and alters substrate oxidation. *European Journal of Neuroscience*, submitted.
- Jacoby, S.M.** & Currie, P.J. (2011). SKF 83566 attenuates the effects of ghrelin on performance in the object location memory task. *Neuroscience Letters*, submitted.
- John, C.S.** & Currie, P.J. (2011). Dual FAAH inhibition and TRPV1 antagonism in the basolateral amygdala mediates unconditioned fear in the elevated plus maze. *Behavioral Brain Research*, manuscript under revision.
- Currie, P. J., **Sarkodie, K., Dono, L.M. Wall, D.G., & John, C.S.** (2011). 5-HT_{1A} receptor agonism alters the orexigenic and anxiogenic action of ghrelin. *Psychopharmacology*, submitted.
- Jacoby, S.M., Weinberg, Z.Y., Davis, M.J., Coston, E.P., Dono, L.M., Fennelly, D.A., Fong, E.L., French, M.C., Gester, W.W., Gray, C.C., Johnson, A.G., Jukar, A.M., Moeller, M.L., Schuette, L.M.,** Hackenberg, T.P., & P. J. Currie, P.J. (2011). Central nervous system effects of ghrelin on memory acquisition, reward, and anxiety-like behavior. *Abstract Itinerary Planner*. Washington, DC: Society for Neuroscience, Online. [To be presented at the 41st annual meeting of the Society for Neuroscience, Washington DC, 12-16 November].
- Currie, P.J., **Mirza, A., Dono, L.M., John, C.S., & Wall, D.G.** (in press). Anorexigenic action of nitric oxide synthase inhibition in the raphe nucleus. *NeuroReport*.
- Dono, L.M.** & Currie, P.J. (in press). The cannabinoid receptor CB1 inverse agonist AM251 potentiates the anxiogenic activity of urocortin I in the basolateral amygdala. *Neuropharmacology*.
- Weinberg, Z. Y. Nicholson, M.L.** & Currie, P. J. (2011). 6-Hydroxydopamine lesions of the ventral tegmental area suppress ghrelin's ability to elicit food-reinforced behavior. *Neuroscience Letters*, 499, 70-73.
- Currie, P.J., **Coiro, C.D., Duenas, R.,** Guss, J.L., **Mirza, A., & Tal, N.** (2011). Urocortin I inhibits the effects of ghrelin and neuropeptide Y on feeding and energy substrate utilization, *Brain Research*, 1385, 127-134.
- Weinberg, Z.Y., Nicholson, M.L., Dono, L.M.,** & Currie, P.J. (2011). Effects of ghrelin administration into the ventral tegmental area (VTA) on food-reinforced behavior in dopamine intact and depleted rats. *Appetite*, 57, S46. [Presented at the annual meeting of the Society for the Study of Ingestive Behavior, Clearwater, 12-16 July].
- Currie, P. J., **John, C.S. Nicholson, M.L., Chapman, C.D., Loera, K.E.** (2010). Hypothalamic paraventricular 5-hydroxytryptamine inhibits the effects of ghrelin on eating and energy substrate utilization. *Pharmacology, Biochemistry & Behavior*, 97, 152-155.
- Chapman, C.D., French, M.C., Dono, L.M., Gester, W.W., Weinberg, Z.,** & Currie, P. J. (2010). Endocannabinoid signaling in the hypothalamic paraventricular nucleus (PVN) induces alterations in eating and carbohydrate oxidation. *Program No. 191.3. Abstract Itinerary Planner*. Washington, DC: Society for Neuroscience, Online. [Presented at the 40th annual meeting of the Society for Neuroscience, San Diego, 13-17 November].
- Chapman, C.D., Coles, R.S., Cooney, H.A., Hagen, M.W., Haimovitz, K., Hilbert, B.M., John, C.S., Krishnakant, K., Kurbanov, D.B., Luehrs, E.H., Realegeno, C.S., Springate-Combs, C.A.A., Sutherland, T.M.,** Vasselli, J.R. & Currie, P. J. (2010). Insulin detemir attenuates the effects of ghrelin on food intake and respiratory quotient following direct injections into the hypothalamic paraventricular nucleus. Presented at the annual meeting of the Faculty for Undergraduate Neuroscience/Society for Neuroscience, San Diego, 15 November.
- Weinberg, Z.Y. , Nicholson, M.L.,** & Currie, P.J. (2010). The ability of ghrelin to elicit motivation when injected into the VTA and its dependence on dopamine. Presented at the annual meeting of the Faculty for Undergraduate Neuroscience/Society for Neuroscience, San Diego, 15 November.
- Currie, P.J., **Anghel, A, Chapman, C.D. Weinberg, Z.Y., Jacoby, S.M., Sutherland, T.M.** (2010). Urocortin microinjection into the lateral septal area alters appetite and energy substrate utilization. *Appetite*, 54, 641. [Presented at the annual meeting of the Society for the Study of Ingestive Behavior, Pittsburgh, 13-17 July].
- Currie, P.J. **Nicholson, M.L., Conrad, V.K., Gottschlich, A., Loera, K.E., John, C.S., & Chapman, C.D.** (2009). Hypothalamic serotonin microinjections inhibit the effects of ghrelin on eating and energy substrate utilization. *Program No. 470.4. Abstract Itinerary Planner*. Washington, DC: Society for Neuroscience, Online. [Presented at the 39th annual meeting of the Society for Neuroscience, Chicago, 17-21 October].
- Nicholson, M.L., Conrad, V.K., Gottschlich, A., Loera, K.E., John, C.S., & Chapman, C.D.** & Currie, P. J. (2009). Paraventricular nucleus 5-hydroxytryptamine alters ghrelin metabolic signaling. Presented at the annual meeting of the Faculty for Undergraduate Neuroscience/Society for Neuroscience, Chicago, 19 October.
- Vasselli, J.R., Currie, P.J., & Pi-Sunyer, F.X. (2009). Glycemic basis for reduced feeding by intact and diabetic rats in response to injections of insulin detemir. *Diabetologia*, 52, S501. [Presented at the 45th annual meeting of the European Association for the Study of Diabetes, Vienna, 29 September-2 October].
- Currie, P.J. **Khelemsky, R., John, C.S.,** & Higgs, S. (2009). CB₁ receptor antagonism alters the anxiogenic and feeding-stimulant effects of ghrelin. *Appetite*, 52, 824. [Presented at the annual meeting of the Society for the Study of Ingestive Behavior, Portland, 28 July- 1 August].

- Currie, P.J., **John, C.S., Wall, D.G., Gottschlich, A.**, Pi-Sunyer, F.X., & Vasselli, J.R. (2009). Alterations of energy expenditure following central administration of insulin detemir in rats. *Appetite*, *52*, 824. [Presented at the annual meeting of the Society for the Study of Ingestive Behavior, Portland, 28 July- 1 August].
- Vasselli J.R. **Wall D.G., John C.S., Gottschlich A.**, Pi-Sunyer F.X., & Currie P.J. (2009). Reductions of food intake and body weight by central administration of insulin detemir in rats. *Diabetes*, *58* (S1), A396. [Presented at the annual meeting of the American Diabetes Association, New Orleans, 5-9 June].
- Siegel, C., Hoang, S.B., Conrad, V.K., Loera, K. Nicholuson, M.L., Siegel, S., Gottschlich, A., & Currie, P.J.** (2009). Paraventricular nucleus injections of 5-hydroxytryptamine inhibit the orexigenic and metabolic action of ghrelin. Presented at the Western Psychological Association 89th Conference, Portland, 22-26 April.
- Wall, D.G., John, C.S., Gottschlich, A.**, Pi-Sunyer, F.X., Vasselli, J.R. & Currie, P.J. (2009). Central injections of insulin detemir suppress food intake and body weight in rats. Presented at the Western Psychological Association 89th Conference, Portland, 22-26 April.
- Vasselli, J.R., Currie, P.J., & Pi-Sunyer, F.X. (2008). Reduced feeding in response to glycemic effects of insulin detemir in intact and diabetic rats. *Obesity*, *16*(S1), S108. [Presented at the annual scientific meeting of The Obesity Society, Phoenix, 3-7 October].
- Currie, P.J., **Grueneisen, A.M., Wall, D.G., & Sarkodie, K.A.** (2008). Anxiogenic, orexigenic and metabolic effects of hypothalamic ghrelin. *Appetite*, *51*, 360. [Presented at the annual meeting of the Society for the Study of Ingestive Behavior, Paris, 15-19 July].
- Currie, P.J., **Sarkodie, K.A., Wall, D.G., Grueneisen, A.M., & John, C.S.** (2008). 5-HT_{1A} receptor agonism alters the orexigenic and anxiogenic activity of ghrelin. *Appetite*, *51*, 360. [Presented at the annual meeting of the Society for the Study of Ingestive Behavior, Paris, 15-19 July].
- Vasselli, J.R., Currie, P.J., Lukic, T., & Harris, A.G. (2007). Central administration of oleoyl-estrone decreases RQ and induces weight loss in rats. *Obesity*, *15*, A180. [Presented at annual scientific meeting of The Obesity Society, New Orleans, 20-24 October].
- Vasselli, J.R., Currie, P.J., Lukic, T., & Harris, A.G. (2007). Centrally-injected oleoyl-estrone reduces feeding and body weight in rats. *Diabetologia*, *50* (Suppl 1), S22. [Presented at the 43rd annual meeting of the European Association for the Study of Diabetes, Amsterdam, 17-21 September].
- Vasselli, J.R., Currie, P.J., Lukic, T., & Harris, A.G. (2007). Central effects of oleoyl-estrone on feeding and body weight in rats. Late-breaking abstract presented at the 67th annual meeting of the American Diabetes Association, Chicago, 22-26 June.
- Vasselli, J.R., **Moreno, J.O.**, Johnson, J.A., **Garel, V.**, & Currie, P.J. (2006). Leptin resistance is a function of body weights in rats maintained on a high fat diet. *Appetite*, *46*, 389. [Presented at the annual meeting of the Society for the Study of Ingestive Behavior, Naples, FL, 18-22 July].
- Gezgin, A.**, Currie, P. J., Vasselli, J.R. (2006). Intracerebroventricular injection of leptin induces peripheral lipolysis in the rat. Summer Undergraduate Research Fellowship Program, Columbia University Symposium, New York, 1 February.
- Currie, P.J., **Mirza, A., Fuld, R., Park, D., & Vasselli, J.R.** (2005). Ghrelin is an orexigenic and metabolic signaling peptide in the arcuate and paraventricular nuclei. *American Journal of Physiology*, *289*, R353-358.
- Currie, P.J., **Coiro, C.D., Rigsbee, E., Swann-Sternberg, T., Freeman-Daniels, E., Anolik, S., Hinchcliff, K., & Chin, V.** (2005). Orexigenic and anxiogenic action of ghrelin: Focus on discrete regions of the hypothalamus. *Program No. 765.7. Abstract Viewer/Itinerary Planner*. Washington, DC: Society for Neuroscience, CD-ROM. [Presented at the 35th annual meeting of the Society for Neuroscience, Washington, DC, 12-16 November].
- Vasselli, J.R., **Moreno, J.O.**, Johnson, J.A., **Garel, V.**, & Currie, P.J. (2005). Degree of leptin resistance in rats maintained on a high fat diet as a function of body weight. *Obesity Research*, *13*, A106-107. [Presented at The Obesity Society's Annual Scientific Meeting (North American Association for the Study of Obesity), Vancouver, 15-19 October].
- Rigsbee, E.M., Coiro, C.D., Swann-Sternberg, T.P., Freeman-Daniels, E., Anolik, S., Hinchcliff, K., Pandolfi, A. & Currie, P.J.** (2005). Ghrelin is an orexigenic signaling molecule with anxiogenic activity in discrete regions of the hypothalamus. *Appetite*, *44*, 373. [Presented at the annual meeting of the Society for the Study of Ingestive Behavior, Pittsburgh, PA, 12-17 July].
- Vasselli, J.R., **Moreno, J.**, Johnson, J., **Garel, V.** & Currie, P.J. (2005). Effects of central and peripheral ghrelin on feeding in dietary obese leptin-resistant rats. *Appetite*, *44*, 384. [Presented at the annual meeting of the Society for the Study of Ingestive Behavior, Pittsburgh, PA, 12-17 July].
- Currie, P.J., **Braver, M., Mirza, A., & Sricharoon, K.** (2004). Sex differences in the reversal of fluoxetine-induced anorexia following raphe injections of 8-OH-DPAT. *Psychopharmacology*, *172*, 359-364.
- Currie, P.J., **Mirza, A., Garel, V., Rigsbee, E., & Niedle, P.** (2004). Nitric oxide synthase inhibition attenuates the orexigenic and metabolic action of ghrelin. *Program No. 194.4. Abstract Viewer/Itinerary Planner*. Washington, DC: Society for Neuroscience, CD-ROM. [Presented at the 34th annual meeting of the Society for Neuroscience, San Diego, 23-27 October].
- Currie, P.J., **Mirza, A., Mihes, A., Sricharoon, K., Tal, N., & Niedle, P.** (2004). Ghrelin and neuropeptide Y: orexigenic and metabolic signaling molecules exhibiting an interaction with urocortin in the paraventricular nucleus of the hypothalamus. *Appetite*, *42*, 351. [Presented at the annual meeting of the Society for the Study of Ingestive Behavior, Cincinnati, OH, 20-24 July].

- Vasselli, J.R., **Coiro, C.D.**, & Currie, P.J. (2004). Decreased sweet solution preference in dietary obese Sprague-Dawley rats. *Appetite*, 42, 406. [Presented at the annual meeting of the Society for the Study of Ingestive Behavior, Cincinnati, OH, 20-24 July].
- Currie, P.J. (2004). Ingestive Behavior: New Insights into the Role of Brain Neurotransmitters. Invited speaker, Wagner College, New York, Lecture Series on the Brain, 25 March.
- Currie, P.J. (2003). Integration of hypothalamic feeding and metabolic signals: Focus on Neuropeptide Y. *Appetite*, 41, 335-337.
- Currie, P.J., **Mirza, A.**, **Fuld, R.**, & Vasselli, J.R. (2003). Metabolic and orexigenic action of ghrelin following microinjection into the arcuate and paraventricular nuclei of the hypothalamus. *Program No. 283.16. Abstract Viewer/Itinerary Planner*. Washington, DC: Society for Neuroscience, CD-ROM. [Presented at the 33rd annual meeting of the Society for Neuroscience, New Orleans, 8-12 November].
- Vasselli, J.R., **Coiro, C.D.**, & Currie, P.J. (2003). Alterations in responsivity to sweet solutions in dietary obese Sprague-Dawley rats. *Obesity Research* 11(S): A115. [Presented at the annual meeting of the North American Association for the Study of Obesity, Ft. Lauderdale, 11-15 October].
- Currie, P.J., **Park, D.**, **Mirza, A.**, & **Coiro, C.D.** (2003). Nitric oxide synthase inhibitors reduce hyperphagia induced by raphe injections of the 5-HT_{1A} agonist 8-OH-DPAT. *Appetite*, 40, 325. [Presented at the annual meeting of the Society for the Study of Ingestive Behavior, Groningen, NL, 15-19 July].
- Garduno, E.R.**, Currie, P.J., **Chen, K.**, Johnson, J.A., & Vasselli, J.R. (2003). Intracerebroventricular (ICV) leptin administration stimulates peripheral lipolysis in rats at a feeding-inhibitory dose. *Appetite*, 40, 333. [Presented at the annual meeting of the Society for the Study of Ingestive Behavior, Groningen, NL, 15-19 July].
- Currie, P.J. (2003). Hypothalamic neuropeptide Y: Effects on food intake and respiratory quotient. Presented to the Columbia University Seminar on Appetitive Behavior, New York, 13 March.
- Currie, P.J. (2003). Brain Neuropeptides: Role in ingestive behavior and energy metabolism. Presented to the Behavioral Neuroscience Seminar, Departments of Psychology, Barnard College and Columbia University, New York, 6 February.
- Currie, P.J., **Coiro, C.D.**, **Niyomchai, T.**, **Lira, A.**, & **Farahmand, F.** (2002). Hypothalamic paraventricular 5-hydroxytryptamine: receptor specific inhibition of NPY-stimulated eating and energy metabolism. *Pharmacology, Biochemistry & Behavior*, 71, 709-716.
- Currie, P.J. (2002). Why do we eat: Neuropeptide Y and the hypothalamus. Presented to the Behavioral Neuroscience Department of Psychology, Brooklyn College, Brooklyn, 11 December.
- Currie, P.J., Bakshi, V.P., **Coiro, C.D.**, **Duenas, R.**, & **Pelaez, C.** (2002). Comparison of urocortin's effects on food intake and respiratory quotient following injection into the paraventricular hypothalamus and lateral septum. *Program No. 775.10. Abstract Viewer/Itinerary Planner*. Washington, DC: Society for Neuroscience, CD-ROM. [Presented at the 32nd annual meeting of the Society for Neuroscience, Orlando, 2-7 November].
- Currie, P.J., **Braver, M.**, **Khan, M.**, **Sricharoon, K.** (2002). Dorsal and median raphe nuclei injections of 8-OH-DPAT differentially inhibit the anorectic action of fluoxetine in female and male rats. *Appetite*, 39, 71. [Presented at the annual meeting of the Society for the Study of Ingestive Behavior, Santa Cruz, 7-11 August].
- Currie, P.J., **Coiro, C.D.**, **Duenas, R.** (2002). Paraventricular nucleus administration of DOI potentiates the inhibitory effect of urocortin on neuropeptide Y stimulated eating and respiratory quotient. *Appetite*, 39, 71. [Presented at the annual meeting of the Society for the Study of Ingestive Behavior, Santa Cruz, 7-11 August].
- Currie, P.J., Coscina, D.V., **Bishop, C.**, **Coiro, C.D.**, Koob, G.F., Rivier, J., & Vale, W. (2001). Hypothalamic paraventricular nucleus injections of urocortin alter food intake and respiratory quotient. *Brain Research*, 916, 222-228.
- Currie, P.J., Taylor, K.M., **Coiro, C.D.**, **Niyomchai, T.**, & **Tal, N.** (2001). Hypothalamic urocortin (UCN): Suppression of food intake, neuropeptide Y (NPY) eating and metabolism. *Program No. 422.17. Abstract Viewer/Itinerary Planner*. Washington, DC: Society for Neuroscience, CD-ROM. [Presented at the 31st annual meeting of the Society for Neuroscience, San Diego, 10-15 November].
- Zupan, B.**, **Drew, M.**, Currie, P.J., & Balsam, P.D. (2001) Lesions to the caudate putamen and nucleus accumbens differentially affect timing and response rate in a peak interval timing task. *Program No. 850.9. Abstract Viewer/Itinerary Planner*. Washington, DC: Society for Neuroscience, CD-ROM. [Presented at the 31st annual meeting of the Society for Neuroscience, San Diego, 10-15 November].
- Coscina, D.V., Currie, P.J., **Bishop, C.**, Parker, G.C., Rollins, B.L., & King, B.M. (2000). Posterodorsal amygdala lesions reduce feeding stimulated by 8-OH-DPAT. *Brain Research*, 883, 243-249.
- Bishop, C.**, Currie, P.J., & Coscina, D.V. (2000). Effects of three neurochemical stimuli on delayed feeding and energy metabolism. (*Brain Research Interactive*, 6 April 2000), *Brain Research*, 865, 139-147.
- Currie, P.J., Coscina, D.V., **Moretti, J.**, & **Avellino, M.D.** (2000). Paraventricular nucleus injections of naloxone methiodide inhibit NPY's effects on energy substrate utilization. *NeuroReport*, 11,733-735.
- Currie, P.J., **Lira, A.**, **Bobeck, E.**, **Khan, M.**, & Taylor, K.M. (2000). Urocortin injected into the paraventricular (PVN), perifornical (PFH) and ventromedial (VMH) hypothalamus: Site-specific inhibition of neuropeptide Y-induced eating and energy substrate utilization. *Society for Neuroscience Abstracts*, 26, 988. [Presented at the 30th annual meeting of the Society for Neuroscience, New Orleans, 4-9 November].
- Currie, P.J. (2000). Interaction of hypothalamic monoamines and neuropeptides in the control of energy intake and metabolism. Presented at the Endocrine-Metabolic Seminar Series, Obesity Research Center, St Luke's-Roosevelt Hospital, New York, 23 June.

- Currie, P.J. (2000). Neural Control of Ingestive Behavior: Focus on the hypothalamus. Presented to Neuroscience Seminar Series, Department of Biology, Columbia University, New York, 18 April.
- Currie, P.J., **Saxena, N.**, & **Tu, A.Y.** (1999). 5-HT_{2A/2C} antagonists in the paraventricular nucleus attenuate the action of DOI on NPY-stimulated eating. *NeuroReport*, *10*, 3033-3036.
- Currie, P.J., Coscina, D.V., **Avellino, M.D.**, **Bishop, C.**, Koob, G.F., Rivier, J., & Vale, W. (1999). Urocortin injected into the paraventricular nucleus of the hypothalamus inhibits neuropeptide Y induced feeding and carbohydrate metabolism. *Society for Neuroscience Abstracts*, *25*, 859. [Presented at the 29th annual meeting of the Society for Neuroscience, Miami, 23-28 October].
- Coscina, D.V., Currie, P.J., **Bishop, C.**, Parker, G.C., Rollins, B.L., & King, B.M. (1999). Posterodorsal amygdala lesions blunt feeding induced by 8-OH-DPAT. *Society for Neuroscience Abstracts*, *25*, 2140. [Presented at the 29th annual meeting of the Society for Neuroscience, Miami, 23-28 October].
- Currie, P.J. & Coscina, D.V. (1998). 5-Hydroxytryptaminergic receptor agonists: Effects on neuropeptide Y potentiation of feeding and respiratory quotient. (*Brain Research Interactive*, *10 July 1998*), *Brain Research*, *803*, 212-217.
- Currie, P.J., Coscina, D.V., & Fletcher, P.J. (1998). Reversal of fenfluramine and fluoxetine anorexia by 8-OH-DPAT is attenuated following raphe injection of 5,7-dihydroxytryptamine. *Brain Research*, *800*, 62-68.
- Coscina, D.V., Currie, P.J., & Szechtman, H. (1998). Association of altered whole-body metabolism with locomotor sensitization induced by quinpirole. *Physiology & Behavior*, *63*, 755-761.
- Currie, P.J., **Bishop, C.**, **Lagman, A.**, & Coscina, D.V. (1998). Spiperone antagonizes the effect of DOI on neuropeptide Y feeding and energy substrate utilization. *Society for Neuroscience Abstracts*, *24*, 448. [Presented at the 28th annual meeting of the Society for Neuroscience, Los Angeles, 7-12 November].
- Coscina, D.V., **Bishop, C.**, Koob, G.F., Rivier, J., Vale, W., & Currie, P.J. (1998). Paraventricular nucleus injections of urocortin suppress feeding and carbohydrate metabolism. *Society for Neuroscience Abstracts*, *24*, 704. [Presented at the 28th annual meeting of the Society for Neuroscience, Los Angeles, 7-12 November].
- Currie, P.J. & Coscina, D.V. (1997). Stimulation of 5-HT_{2A/2C} receptors within specific hypothalamic nuclei differentially antagonizes NPY-induced feeding. *NeuroReport*, *8*, 3759-3762.
- Currie, P.J. & Coscina, D.V. (1997). Effects of PVN injections of the 5-HT_{2A/2C} receptor agonist DOI on neuropeptide Y eating and energy substrate utilization. *Society for Neuroscience Abstracts*, *23*, 1346. [Presented at the 27th annual meeting of the Society for Neuroscience, New Orleans, 25-30 October].
- Bishop, C.**, Currie, P.J. & Coscina, D.V. (1997). Delayed feeding prevents hypothalamic norepinephrine-induced overeating. *Society for Neuroscience Abstracts*, *23*, 254. [Presented at the 27th annual meeting of the Society for Neuroscience, New Orleans, 25-30 October].
- Currie, P.J. & Coscina, D.V. (1996). Regional hypothalamic differences in neuropeptide Y-induced feeding and energy substrate utilization. *Brain Research*, *737*, 238-242.
- Currie, P.J. (1996). Medial hypothalamic α_2 -adrenergic and serotonergic effects on ingestive behaviour. In S.J. Cooper & P.G. Clifton (eds.), *Drug Receptor Subtypes and Ingestive Behaviour*, Academic Press: London, (pp. 285-300).
- Currie, P.J. & Coscina, D.V. (1996). Metergoline potentiates natural feeding and antagonizes the anorectic action of medial hypothalamic 5-hydroxytryptamine. *Pharmacology, Biochemistry & Behavior*, *53*, 1023-1028.
- Currie, P.J., Coscina, D.V., & Fletcher, P.J. (1996). Reversal of fenfluramine and fluoxetine anorexia by 8-OH-DPAT is attenuated following raphe injection of 5,7-dihydroxytryptamine. *Society for Neuroscience Abstracts*, *22*, 459. [Presented at the 26th annual meeting of the Society for Neuroscience, Washington, 16-21 November].
- Coscina, D.V., Currie, P.J., Chambers, J.W., & Szechtman, H. (1996). Altered energy metabolism associated with behavioral sensitization induced by quinpirole. *Society for Neuroscience Abstracts*, *22*, 475. [Presented at the 26th annual meeting of the Society for Neuroscience, Washington, 16-21 November].
- Coscina, D.V., Currie, P.J., Chambers, J.W., & Szechtman, H. (1996). Chronic treatment with quinpirole induces behavioral sensitization and alters energy metabolism in rats. Presented to the Canadian College of Neuropsychopharmacology, Toronto, 10-13 July.
- Chang, N., Currie, P.J., & Anderson, G.H. (1996). An intragastric amino acid mixture alters the extracellular amino acid profile in the lateral hypothalamus of the awake rat. *FASEB Journal*, *10*, 1292. [Presented at the Federation of American Societies for Experimental Biology, Washington, 8 March].
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- Currie, P.J. & Coscina, D.V. (1994). Effects of metergoline on feeding, 5-HT anorexia and 5-HT inhibition of NE-induced eating. *International Journal of Obesity*, *18* (Suppl. 2), 71. [Presented at the 7th International Congress on Obesity, Toronto, 20-25 August].
- Currie, P.J., Brown, C.M., & Coscina, D.V. (1994). Neuropeptide-Y produces similar feeding but dissimilar metabolic effects after injection into the paraventricular vs. perifornical hypothalamus. Presented at the Society for the Study of Ingestive Behavior Second Independent Meeting, Hamilton, 16-20 August.
- Currie, P.J. & Coscina, D.V. (1994). Enhanced feeding and blockade of 5-HT anorexia following injection of the serotonergic antagonist metergoline. Presented at the 20th annual Stancer Research Seminar, Department of Psychiatry, Faculty of Medicine, University of Toronto, Toronto, 16 June.
- Fletcher, P.J., Currie, P.J., Chambers, J.W., & Coscina, D.V. (1993). Radiofrequency lesions of the PVN fail to modify the effects of serotonergic drugs on food intake. *Brain Research*, *630*, 1-9.
- Currie, P.J. & Coscina, D.V. (1993). Paraventricular nucleus injections of idazoxan block feeding induced by paraventricular nucleus norepinephrine but not intra-raphé 8-hydroxy-2-(di-*n*-propylamino)tetralin. *Brain Research*, *627*, 153-158.
- Currie, P.J. & Coscina, D.V. (1993). Diurnal variations in the feeding response to 8-OH-DPAT injected into the dorsal or median raphe. *NeuroReport*, *4*, 1105-1107.
- Currie, P.J. (1993). Differential effects of NE, CLON, and 5-HT on feeding and macronutrient selection in genetically obese (*ob/ob*) and lean mice. *Brain Research Bulletin*, *32*, 133-142.
- Currie, P.J. & Wilson, L.M. (1993). Potentiation of dark onset feeding in genetically obese (genotype *ob/ob*) mice following central injection of norepinephrine and clonidine. *European Journal of Pharmacology*, *232*, 227-234.
- Currie, P.J. & Coscina, D.V. (1993). Differential effects of the 5-HT_{1A} agonist 8-OH-DPAT on nocturnal feeding in the rat. *Society for Neuroscience Abstracts*, *19*, 1239. [Presented at the 23rd annual meeting of the Society for Neuroscience, Washington, 7-12 November].
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- Currie, P.J. & Coscina, D.V. (1993). 8-OH-DPAT-induced feeding is not altered by blockade of PVN α_2 -adrenoceptors. *Appetite*, *21*, 170. [Presented at the 11th International Conference on the Physiology of Food and Fluid Intake, Oxford, 28-30 July].
- Fletcher, P.J., Currie, P.J., Chambers, J.W., & Coscina, D.V. (1993). Radiofrequency lesions of the PVN do not modify the effects of 5-HT acting drugs on food intake. *Appetite*, *21*, 174. Presented at the 11th International Conference on the Physiology of Food and Fluid Intake, Oxford, 28-30 July.
- Currie, P.J., Ng, L.T., Coscina, D.V., Li, E.T.S., & Anderson, G.H. (1993). Selective changes in PVN and LH extracellular amino acid profiles after the administration of an amino acid mixture to rats. *FASEB Journal*, *7*, 646. [Presented at the Federation of American Societies for Experimental Biology, New Orleans, 23 February].
- Currie, P.J. & Wilson, L.M. (1992). Yohimbine attenuates clonidine-induced feeding and macronutrient selection in genetically obese (*ob/ob*) mice. *Pharmacology, Biochemistry & Behavior*, *43*, 1039-1046.
- Currie, P.J. (1992). Brain serotonin and feeding. Presented to the Department of Psychiatry, Faculty of Medicine, University of Toronto, Toronto, 26 November.
- Currie, P.J. & Wilson, L.M. (1992). Reduction in dark onset feeding and carbohydrate intake in genetically obese (*ob/ob*) and lean (+/?) mice injected with 5-hydroxytryptamine. *Society for Neuroscience Abstracts*, *18*, 1234. [Presented at the 22nd annual meeting of the Society for Neuroscience, Anaheim, 25-30 October].
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- Coscina, D.V., Currie, P.J., & Fletcher, P.J. (1992). Independence of feeding elicited by NE in the PVN vs. 8-OH-DPAT in the dorsal raphe. Presented at the annual meeting of the Society for the Study of Ingestive Behavior, Princeton, 25-28 June.
- Currie, P.J. & Wilson, L.M. (1992). Central injection of 5-hydroxytryptamine reduces food intake in obese and lean mice. *NeuroReport*, *3*, 59-61.
- Wilson, L.M., Currie, P.J., & Gilson, T. (1991). Thermal preference behavior in preweaning genetically obese (*ob/ob*) and lean (+/?, +/+) mice. *Physiology & Behavior*, *50*, 155-160.
- Currie, P.J. & Wilson, L.M. (1991). Bidirectional effects of clonidine on carbohydrate intake in genetically obese (*ob/ob*) mice. *Pharmacology Biochemistry & Behavior*, *38*, 177-184.

- Currie, P.J. & Wilson, L.M. (1991). Intracerebroventricular injections of α_2 -noradrenergic agonists increase caloric intake in genetically obese (ob/ob) mice. *Society for Neuroscience Abstracts*, 17, 144. [Presented at the 21st annual meeting of the Society for Neuroscience, New Orleans, 10-15 November].
- Currie, P.J. & Wilson, L.M. (1991). Intraventricular injections of α_2 -noradrenergic agonists stimulate feeding in satiated genetically obese (ob/ob) mice. Presented at the Third World Congress of the International Brain Research Organization, Montreal, 4-9 August.
- Currie, P.J. & Wilson, L.M. (1990). Clonidine differentially affects macronutrient intake in genetically obese and lean mice: Dose-effect relationships. *Society for Neuroscience Abstracts*, 16, 910. [Presented at the 20th annual meeting of the Society for Neuroscience, St. Louis, 28 October-2 November].
- Currie, P.J. & Wilson, L.M. (1990). Differential effects of clonidine on macronutrient intake in genetically obese and lean mice. Invited presentation to the 10th annual Bristol-Myers Squibb/Mead Johnson Symposium on Nutrition Research. The Biology of Feast and Famine: Relevance to Eating Disorders, Toronto, 10-11 October.
- Currie, P.J. & Wilson, L.M. (1989). Biphasic effects of clonidine on carbohydrate intake in genetically obese (ob) mice. *International Journal of Obesity*, 13, 550. [Presented at the 6th annual meeting North American Association for the Study of Obesity, Bethesda, 13-16 September].
- Currie, P.J. & Wilson, L.M. (1988). α -Noradrenergic effects on macronutrient intake in genetically obese and lean mice. *Society for Neuroscience Abstracts*, 14, 966. [Presented at the 18th annual meeting of the Society for Neuroscience, Toronto, 13-18 November].
- Wilson, L.M., Currie, P.J., & Gilson, T.L. (1987). Thermal preference behavior in genetically obese (ob/ob) and lean (+/?, +/+) mouse pups. Presented at the 20th annual meeting of the International Society for Developmental Psychobiology, New Orleans, 4-6 November.
- Boland, F.J., Currie, P.J., & Sirota, P. (1987). The mechanism of zimeldine's effect on ethanol and saccharin intake in the rat. *Canadian Psychology/Psychologie Canadienne*, 28, 48. [Presented at the annual meeting of the Canadian Psychological Association, Vancouver, 17-20 June].

Theses

- Currie, P.J. (1991). Intraventricular injection of clonidine (CLON), norepinephrine (NE), and 5-hydroxytryptamine (5-HT) in genetically obese (ob/ob) and lean mice: Differential effects on food intake and macronutrient selection. Ph.D. Thesis, University of Manitoba, Winnipeg MB Canada.
- Currie, P.J. (1988). Noradrenergic regulation of feeding in genetically obese (ob/ob) and lean (+/?) mice. M.A. Thesis, University of Manitoba, Winnipeg MB Canada.
- Currie, P.J. (1985). The effect of zimeldine on ethanol and saccharin intake in the rat. B.A. (Hons.) Thesis, Queen's University, Kingston ON Canada.

I. Reed Thesis Student Supervision

- Cooney, H.A. (2011). The role of the TRPV1 receptor in endocannabinoid enhancement of emotional memory. (Co-adviser)
- Fong, E.L. (2011). Nitric oxide synthase inhibition in the paraventricular nucleus potentiates the anorexigenic effects of urocortin I.
- Jacoby, S.M. (2011). Ghrelin-induced improved memory performance is dopamine-dependent. (Co-adviser)
- Weinberg, Z.Y. (2011). An exploration of ghrelin's effect in a conditioned place preference paradigm.
- Chapman, C.D. (2010). Oxytocin mediates ghrelin-induced eating in the ventromedial nucleus of the hypothalamus.
- Gottschlich, A. (2010). Effect of the 5-HT_{2C} antagonist SB242084 on eating behavior in the rat.
- John, C.S. (2010). Targeting the endocannabinoid system: How agonism and antagonism of TRPV1 and CB₁ receptors in the basolateral amygdala can differentially affect anxiolytic and anxiogenic behavior.
- Kurbanov, D.B. (2010). Naltrexone suppresses food intake and body weight gain in a rat model of olanzapine-induced hyperphagia and obesity.
- Nicholson, M.L. (2010). Ghrelin microinjections into the ventral tegmental area elicit an increase in motivation for food seeking.
- Sutherland, T.M. (2010). Potential interactions between centrally administered ghrelin and salvinorin A on the expression of reward: A conditioned place preference study in rats.
- Coles IV, R.S. (2009). A conditioned place preference assay in rats after central injection of salvinorin A.
- Davis, M.J. (2009). Ghrelin microinjection into the ventral tegmental area induces conditioned place preference.

Leora, K.E. (2009). Serotonin attenuates the orexigenic and anxiogenic actions of ghrelin within the paraventricular nucleus of the hypothalamus.

Wall, D.G. (2009). Pretreatment with insulin detemir attenuates the orexigenic effects of ghrelin.

Hudson, P.G. (2008). Navigation of the rough-skinned newt (*Taricha granulosa*): Is there a geo-magnetic sense?

Kuznetsova, L. (2008). Free testosterone concentrations in a hepatitis C population. (Co-adviser)

Lehet, M.I. (2008). Gap junctions and memory.

Leonard, L.A. (2008). Effects of nitric oxide, C-reactive protein, and depression in hepatitis C patients undergoing interferon-alpha therapy. (Co-adviser)

Sarkodie, K.A. (2008). 8-OH-DPAT attenuates the anxiogenic action of hypothalamic ghrelin.

Siegel, C. (2008). Oxytocin mediates partner preference in the polygamous rat.

J. Grant Activity

Current and Prior Awards

2011	Reed College Faculty Research Grant. Midbrain ventral tegmental ghrelin: Interaction with dopamine in the mediation of food-reinforced behavior and conditioned place preference.
2010	Reed College Faculty Research Grant. Interaction of ghrelin and insulin detemir on food intake, body weight gain, and energy metabolism following injection into discrete hypothalamic nuclei.
2009	Biogene Pharma Inc. Assessment of the effects of JPJY on energy expenditure in rats. Awarded 06/09-12/11.
2007	Novo-Nordisk, Inc. Mechanisms underlying weight gain inhibition by insulin detemir. Co-Investigator. Awarded 01/07-12/10.
2006	Manhattan Pharmaceuticals. Acute effects of central administration of oleoyl-estrone on feeding and body weight in rats. Awarded: 10/06-09/07. Co-Investigator.
2006	Barnard College Faculty Research Grant. Functional interaction of cannabinoid and ghrelin receptors within the paraventricular nucleus in the regulation of anxiety. Awarded: 06/06-present.
2004	NIH/NIMH PAR-00-119. (1R03MH070496-01A1). Role of ghrelin in the induction of anxiogenic behaviors. Awarded 07/04-06/06.
2003	Barnard College Faculty Research Grant (Edward J. King Fund). Orexigenic and metabolic action of ghrelin in discrete hypothalamic nuclei. Awarded: 11/03-10/04.
2002	Barnard College Faculty Research Grant, Special Assistant Professor Leave (Edward J. King Fund). Hypothalamic urocortin: Effects on feeding and energy metabolism. Awarded: 07/02-01/03.
1991	Sigma Xi Grants-in-Aid of Research (Simons-Monroe Fund), Sigma Xi, The Scientific Research Society. Neural control of ingestive behavior in the genetically obese mouse. Awarded: 10/01/1991.

Reed College Faculty-Student Grants

Student Research Grants – Academic Year

2011	Jacoby, Sarah M. Mellon Foundation Opportunity Grant to attend and present our research at the Society for Neuroscience (and Faculty for Undergraduate Neuroscience) annual meeting, Washington DC, 12-16 November.
2011	Weinberg, Zachary Y. Mellon Foundation Opportunity Grant to attend and present our research at the Society for Neuroscience (and Faculty for Undergraduate Neuroscience) annual meeting, Washington DC, 12-16 November.

- 2010 Weinberg, Zachary Y. Mellon Foundation Opportunity Grant to attend and present our research at the Society for Neuroscience (and Faculty for Undergraduate Neuroscience) annual meeting, San Diego, 13-17 November.
- 2010 Chapman, Colin D. Mellon Foundation Opportunity Grant to attend and present our research at the Society for Neuroscience (and Faculty for Undergraduate Neuroscience) annual meeting, San Diego, 13-17 November.
- 2010 Jacoby, Sarah M. A.V. Davis Initiative Grant. Interaction between ghrelin and dopamine systems in memory acquisition and appetitive behavior. (Co-adviser)
- 2010 Cooney, Henry A. A.V. Davis Initiative Grant. The role of TRPV1 in endocannabinoid enhancement of inhibitory avoidance. (Co-adviser)
- 2010 Chapman, Colin D. A.V. Davis Initiative Grant. Oxytocin in the paraventricular nucleus of the hypothalamus: Mediation of ghrelin induced anxiety and eating behavior. \$2500
- 2010 Kurbanov, Daniel B. A.V. Davis Initiative Grant. Effects of naltrexone on food intake and weight gain in olanzapine-treated rats.
- 2009 Nicholson, Marjorie L. Mellon Foundation Opportunity Grant to attend and present our research at the Society for Neuroscience annual meeting, Chicago, 13-17 October.
- 2009 Chapman, Colin D. Mellon Foundation Opportunity Grant to attend and present our research at the Society for Neuroscience annual meeting, Chicago, 13-17 October.
- 2009 Davis, Matthew J. Systemic cocaine and ventral tegmental area ghrelin on conditioned place preference. Mellon Foundation Initiative Grant.
- 2008 Hudson, Patrick G. Navigation of the rough-skinned newt (*Taricha granulosa*): Is there a geo-magnetic sense? Mellon Foundation Initiative Grant.

Student Research Grants – Reed College Science Research Fellowship (Summer)

- 2011 Dono, Lindsey M. The effect of ghrelin administration into the ventral tegmental area on conditioned place preference in dopamine intact and depleted rats.
- 2010 Weinberg, Zachary Y. Assessing the role of dopaminergic neurons in ghrelin mediated signaling in the mesotelencephalic reward circuit.
- 2009 John, Catherine S. Effects of corticotropin releasing hormone receptor antagonism on the anxiogenic action of hypothalamic ghrelin.
- 2008 Wall, Daniel G. Effects of centrally administered insulin detemir on feeding and energy metabolism.

K. Service to the College

Animal Care Committee, 2007-present
 Undergraduate Research Committee, 2008-present
 Secretary, Division of Philosophy, Religion, Psychology and Linguistics, 2009-2010
 Library Board, 2009-2010
 Department of Psychology Colloquium Series (including seminars on graduate training, careers, and internships in psychology), Organizer, 2008-2010
 Human Subjects Research Committee, 2007-2008

L. Service to the Profession

Professional Societies

Chair, Ingestive Behavior Social Symposium entitled: *The Blood Brain Barrier in the Control of Energy Balance – How Variable, How Much, How Important?* Annual Meeting of the Society for Neuroscience, San Diego, 26 October 2004.
 Society for the Study of Ingestive Behavior, Long Range Planning Committee (2002-2005).

Referee – Journals

Ad Hoc Reviewer: American Journal of Physiology; Appetite; Brain Research; Brain Research Bulletin; Columbia Undergraduate Science Journal, Faculty Adviser (2007); European Journal of Neuroscience; European Journal of Pharmacology; Journal of Neuroscience Methods; Journal of Nutritional Biochemistry; Journal of Pharmacology and Experimental Therapeutics; Neuropeptides; Nutrition, Metabolism & Cardiovascular Diseases; Nutrition Research; Obesity Research; Peptides; Pharmacological Research; Pharmacology, Biochemistry & Behavior; Physiology & Behavior; Psychopharmacology.