

Dear Dr Todd Randall,

The Department of Anthropology would like to nominate Dr Greg Ross as an Adjunct of the Department of Anthropology at Lakehead University. Although he has a strong biomedical research career his current research is working on health issues in First Nations communities of which he has research in a number of communities in Northwestern Ontario. The work with First Nations alone fits into the scope of the Department of Anthropology but students have also requested his supervision and enrollment in the Masters of Environmental Science, Northern Environments and Cultures which also fits into the Department of Anthropology and more adjuncts in that program would strengthen the supervision base required for a healthy graduate program. The department has voted to support this nomination and feel that his current and future involvement and contributions in the department would be beneficial to the various anthropology programs at Lakehead University.

Sincerely,



Carney Matheson
Department of Anthropology
Lakehead University

CURRICULUM VITAE

1. NAME: Gregory M Ross

Department/School/Program: Biomedical Sciences/NOSM

Present Rank/Title: Professor

Date Tenured: July 1, 2002 (Queen's University)

Date of Appointment: April 1, 2004 (NOSM)

2. ACADEMIC & PROFESSIONAL QUALIFICATIONS:

Degree	University	Year	Thesis Title (if any)
BSc	Simon Fraser	1983	
PhD	McMaster	1989	Substituted 2-Amino-THN as Affinity and ...

3. CHRONOLOGICAL ACCOUNT OF CAREER:

Appt Dates	Position	Employer
2004-Current	Professor	NOSM
2004-2014	Associate Dean	NOSM
2002-2004	Associate Professor	Queen's
1998-2002	Assistant Professor	Queen's
2000-2002	PDF	Queen's
1989-2000	PDF	McMaster

4. HONOURS AND AWARDS:

Year	Award
2000	CFI/ORDF New Opportunities Award – Neurodegeneration and the Environment
1998	Queen's National Scholar
1992	Neuroscience NCE PDF Award
1986	Ontario Mental Health Foundation of Ontario Graduate Award

5. PUBLICATIONS:

a) Life-time summary:

Papers in Refereed Journals	69
Book Chapters	4
Reports	0
Non-refereed Publications	0
Papers in Refereed Conference Proceedings	0
Abstracts in Refereed Conference Proceedings	74
Papers/Abstracts in Non-refereed Conference Proceedings.....	0

b) Details for past seven (7) years: (including 2008/09 and on only)

Papers in Refereed Journals:

69. Lamaanen, C., Shang, H., **Ross, G.M.** and Scott, J.A. (2014) A model for utilizing industrial off-gas to support microalgae cultivation for biodiesel in cold climates. In Press: *Energy Conversion and Management*.
68. Eibl, J.K., Shenhorinho, G., Corcoran, J., Zhang, K., Seyed-Hosseini, N., Scott, J.A. and **Ross, G.M.** (2014) Bioprospecting for high-lipid producing green microalgae isolated from abandoned mine site water bodies. *Applied Microbiology Express*, **4** 1-8.
67. Khurana, S., Hollingsworth, A., Piche, M., Venkataraman, K., Kumar, A., **Ross, G.M.** and Tai, T.C. (2014) Methyl Gallate Protects Rat Cardiac Myocytes from H₂O₂-Mediated Apoptosis. *Oxidative Medicine and Cellular Longevity*, 1-9.
66. Eibl, J.K., Abdallah, Z., Kennedy, A. and **Ross, G.M.** (2013) Affinity crosslinking of Y1036 to nerve growth factor identifies pharmacological targeting domain for small molecule neurotrophin antagonists. *Neuroscience and Medicine* **4** 290-298.
65. Arbuckle TE, Fraser WD, Fisher M, Davis K, Liang CL, Lupien N, Bastien S, Velez MP, von Dadelszen P, Hemmings DG, Wang J, Helewa M, Taback S, Sermer M, Foster W, **Ross G**, Fredette P, Smith G, Walker M, Shear R, Dodds L, Ettinger AS, Weber JP, D'Amour M, Legrand M, Kumarathasan P, Vincent R, Luo ZC, Platt RW, Mitchell G, Hidiroglu N, Cockell K, Villeneuve M, Rawn DF, Dabeka R, Cao XL, Becalski A, Ratnayake N, Bondy G, Jin X, Wang Z, Tittlemier S, Julien P, Avard D, Weiler H, Leblanc A, Muckle G, Boivin M, Dionne G, Ayotte P, Lanphear B, Séguin JR, Saint-Amour D, Dewailly E, Monnier P, Koren G, Ouellet E. (2013) Cohort profile: the maternal-infant research on environmental chemicals research platform. *Paediatric Perinatal Epidemiology*, **27** 415-25.
64. Cirulis, J.T., Scott, J.A. and **Ross, G.M.** (2013) Management of oxidative stress by microalgae. *Canadian Journal of Physiology and Pharmacology*, **91** 15-21.
63. Eibl J.K., Strasser B.C. and **Ross, G.M.** (2013) Identification of novel pyrazoloquinazolinecarboxylate analogues to inhibit nerve growth factor in vitro. *European Journal of Pharmacology*, **708** 30-37.
62. Eibl J.K., Strasser B.C. and **Ross, G.M.** (2012) Structural, biological, and pharmacological strategies to inhibit nerve growth factor. *Neurochemistry International*, **61** 1266-1275.
61. Cirulis, J.T., Strasser, B.C., Scott, J.A. and **Ross, G.M.** (2012) Optimization of Staining Conditions for Microalgae with Three Lipophilic Dyes to Reduce Precipitation and Fluorescence Variability. *Cytometry*, **81A** 618-626.
60. Shang, H., Scott, J.A., **Ross, G.M.** and Shepherd, S.H. (2010) A dynamic temperature model for mine water fed raceways for microalgae biofuel production. *Environmental Progress*, **29** 510-516.

59. Scott, J.A., Shang, H., **Ross, G.M.**, Shepherd, S.H., Salt, B. and Loken, M. (2010) Hosting of green energy and biochemical production on mining sites pre and post-closure. *Proceedings in Mine Closure 2010*, 317-324.
58. Shang, H., Scott, J.A., Sheppard, S.H. and **Ross, G.M.** (2010) A dynamic thermal model for heating microalgae incubator ponds using smelter off-gas. *Chemical Engineering Science*, **65** 45914597.
57. Crispo, J.A., Ansell, D.R., Piche, M., Eibl, J.K., **Ross, G.M.** and Tai, T.C. (2010) Protective effects of methyl-gallate on H₂O₂-induced apoptosis in PC12 cells. *Biochemical Biophysical Research Communications*, **393** 773-778.
56. Shang, H., Scott, J.A., **Ross, G.M.** and Sheppard, S.H. (2010) A dynamic temperature model for mine water fed raceways for microalgae biofuel production. *Environmental Progress*, **29**:4, 510516.
55. Eibl, J.K., Chapelsky, S.A. and **Ross, G.M.** (2010) Multi-potent neurotrophin antagonist targets Brain-Derived Neurotrophic Factor and Nerve Growth Factor, *Journal of Pharmacology and Experimental Therapeutics*, **332** 446-454.
54. Crispo, J.A.G., Ansell, D.R., Piche, M., Eibl, J.K., **Ross, G.M.** and Tai, T.C. (2010) Protective effects of polyphenolic compounds on oxidative stress-induced cytotoxicity in PC12 cells, *Canadian Journal of Physiology and Pharmacology*. **88** 429-438.
53. Eibl, J.K., Abdallah, Z. and **Ross, G.M.** (2010) Zinc-metallothionein: A potential mediator of antioxidant defense mechanisms in response to dopamine-induced stress, *Canadian Journal of Physiology and Pharmacology*, **88** 305-312.
52. Boudreau, H.S., Krol, K.M., Eibl, J.K., Rossiter, J.P., Williams, L.D., Palace, V.P. and **Ross, G.M.** (2009) The association of metal ion exposure with α -synuclein-like immunoreactivity in the central nervous system of fish, *Catostomus commersoni*. *Aquatic Toxicology*, **92** 253-263.
51. Colquhoun, A., Eibl, J.K., Krol, K.M., Chan, H.M. and **Ross, G.M.** (2009) Conformational analysis of the effects of Methylmercury on Nerve Growth Factor and Brain-Derived Neurotrophic Factor. *Environmental Toxicology and Pharmacology*, **27** 298-302.
50. Gauthier, M.A., Eibl, J.K., Crispo, J.A., and **Ross, G.M.** (2008) Covalent arylation of metallothionein by oxidized dopamine products: A possible mechanism for zinc-mediated enhancement of dopaminergic neuron survival. *Journal of Neurotoxicity Research*, **14** 317-328.
49. Post, J.I., Eibl, J.K., and **Ross, G.M.** (2008) Zinc induces motor neuron death via a selective inhibition of Brain-Derived Neurotrophic Factor activity. *Amyotrophic Lateral Sclerosis*, **9** 149-155.

Book Chapters:

None

Reports:

None

Non-refereed Publications:

None

Papers submitted to Refereed Journals:

None

6. CONFERENCE PAPERS:

Papers in Refereed Conference Proceedings:

None

Abstracts in Refereed Conference Proceedings:\

74. Eibl, J.K., Scott, J.A., Corcoran, J., Senhorinho, G.N.A., Zhang, K., Seyed Hosseini, N., Marsden, J. and **Ross, G.M.** Bioprospecting for lipid-rich green microalgae isolated from abandoned mine site water bodies. Presented to the 3rd International Conference on Algal Biomass, Biofuels & Bioproducts, June 2013, Toronto, ON.
73. Seyed Hosseini, N., Scott, J.A., Eibl, J.K., Loken, M., Muinonen, S., Salt, B., Shepherd, S.H. and **Ross, G.M.** The use of a gas-lift bioreactor with industrial off-gas for microalgae production. Presented to the 3rd International Conference on Algal Biomass, Biofuels & Bioproducts, June 2013, Toronto, ON.
72. Senhorinho, G., Scott, J.A. and **Ross, G.M.** Antimicrobial activity of freshwater microalgae from extreme environments. Presented to the 3rd International Conference on Algal Biomass, Biofuels & Bioproducts, June 2013, Toronto, ON.
71. Zhang, K., Corcoran, J., Scott, J.A. and **Ross, G.M.** Developing biophysical triggers to modulate microalgae lipid products for biofuel production. Presented to the 3rd International Conference on Algal Biomass, Biofuels & Bioproducts, June 2013, Toronto, ON.
70. Corcoran, J., Eibl, J.K., Scott, J.A. and **Ross, G.M.** The use of environmental stressors to enhance the co-production of lipids suitable for biofuels and health beneficial nutraceuticals. Presented to the 3rd International Conference on Algal Biomass, Biofuels & Bioproducts, June 2013, Toronto, ON.

69. Senhorinho, G., Eibl, J.K., Scott, J.A. and **Ross, G.M.** Investigating Antimicrobial Activity of Wild Microalgae. Presented to the Northern Health Research Conference, June 2013, North Bay, ON.
68. Eibl, J.K. and **Ross, G.M.** Identification of novel *pyrazoloquinazolinecarboxilate* analogues to inhibit nerve growth factor *in vitro*. Presented to the Northern Health Research Conference, June 2013, North Bay, ON.
67. Corcoran, J., Zhang, K., Scott, J.A. and **Ross, G.M.** The use of Stressors to Enhance Production of Microalgal Lipids that could be used in health beneficial nutraceuticals. Presented to the Northern Health Research Conference, June 2013, North Bay, ON.
66. Douglas, L.A., Cirulis, J.T., Shepherd S., Scott, J.A. and **Ross, G.M.** Local Microalgae Biofuel Feedstocks: Identification of industrial tolerant microalgae using a multi-step viability assay. Presented to the 2nd International Conference on Algal Biomass, Biofuels, and Bioproducts Conference, June, 2012, San Diego, CA, USA.
65. Cirulis, J.T., Douglas, L.A., Scott, J.A. and **Ross, G.M.** High Throughput Screening to Characterize and Catalogue Potential Algal Biofuel Feedstocks. Presented to the BIOFOR Conference, May, 2012, Thunder Bay, ON.
64. Cirulis, J.T., Hollingsworth, A., Khurana, S., Tai, T.C. and **Ross, G.M.** Cell Viability is Affected by Purity and Antioxidant Activity of Microalgae Extract. Presented to the Canadian Oxidative Stress Consortium, May, 2012, Thunder Bay, ON.
63. Eibl, J.K., Strasser B.C. and **Ross, G.M.** Identification of novel *pyrazoloquinazolinecarboxilate* analogues to inhibit nerve growth factor *in vitro*. Presented to the Experimental Biology Conference, April, 2012, San Diego, CA, USA.
62. Eibl, J.K. and **Ross G.M.** Inhibiting neurotrophin-mediated signaling using small molecule antagonists. Presented to NGF meeting, June 2010, Helsinki, Finland
61. Eibl, J.K. and **Ross G.M.** (2009) Therapeutic potential of small-molecule antagonists of Brain-Derived Neurotrophic Factor in Amyotrophic Lateral Sclerosis. *Neurotoxicity Society*, Arica, Chile
60. Piche, M., Crispo, J.A.G., Eibl, J.K., Ansell, D., **Ross, G.M.** and Tai, T.C. Effects of polyphenolic compound pre-treatment on oxidative stress-induced apoptosis in PC12 cells. Presented to the Northern Health Research Conference, May, 2009, Thunder Bay, ON.
59. Eibl, J.K. and **Ross, G.M.** New Insights for Pain Management: Multi-potent Neurotrophin Antagonist Targets Brain-Derived Neurotrophic Factor and Nerve Growth

Factor. Presented to the Northern Health Research Conference, May, 2009, Thunder Bay, ON.

58. Crispo, J.A.G., Ansell, D., Piche, M., Eibl, J.K., Khaper, N., **Ross, G.M.** and Tai, T.C. Use of polyphenolic compounds to treat oxidative stress-induced cytotoxicity in PC12 cells. Presented to the Northern Health Research Conference, May, 2009, Thunder Bay, ON.

57. Abdallah, Z. and **Ross, G.M.** Dietary Antioxidants: Natural therapeutic agents in the prevention of Parkinson's Disease. Presented to the Northern Health Research Conference, May, 2009, Thunder Bay, ON.

56. Abdallah, Z. and **Ross, G.M.** Inhibition of the formation of thionyl-dopamine conjugates by polyphenols. Presented to the 6th Meeting of the Canadian Oxidative Stress Consortium, May, 2009, Winnipeg, MB.

55. **Ross, G.M.** The role of oxidative stress in the Dopamine-induced death of neurons. Presented to the 6th Meeting of the Canadian Oxidative Stress Consortium, May, 2009, Winnipeg, MB.

54. Eibl, J.K. and **Ross, G.M.** Therapeutic Potential of Small-Molecule Antagonists of Brain-Derived neurotrophic Factor in Amyotrophic Lateral Sclerosis. Presented at IV-Neurotoxicity Meeting: Neurochemical Mechanisms for Neurodegenerative Disorders, April, 2009, Arica, Chile.

Papers/Abstracts in Non-refereed Conference Proceedings:

None

7. RESEARCH GRANTS RECEIVED (past seven years only):

EXTERNAL GRANTS				
Year	Grantee (PI)	Agency	Title	Amount
13-14	Ross	Bruce Power	Research Contract	\$100,000
12-14	Scott/Ross co-I	NSERC CRD	Industrial Waste Heat...	\$292,500
09-13	Ross	NOHFC	Green Nutraceuticals...	\$2,250,000
09-13	Scott/Ross co-I	MITACS	Mining Sites as...	\$250,000

INTERNAL GRANTS				
Year	Grantee (PI)	Agency	Title	Amount

8. PROFESSIONAL ASSOCIATIONS:

Year	Association
10/14	ASPECT
06/14	Society for Neuroscience

9. PROFESSIONAL COMMITTEES/SERVICE TO THE PROFESSION:

Year	Association
04-14	As ADR, served on many committees on behalf of NOSM

10. UNIVERSITY SERVICE / ADMINISTRATIVE RESPONSIBILITIES:

Year	Association
04-14	As ADR of NOSM, extensive Administrative Responsibilities

11. COURSES TAUGHT DURING LAST SEVEN YEARS AND PARTICIPATION IN CURRICULUM DEVELOPMENT:

a. UNDERGRADUATE COURSES:

Year	Number	Course Name	Number of Students
		Teaching leave past 7 years	

b. GRADUATE COURSES:

Year	Number	Course Name	Number of Students
		Teaching leave past 7 years	

12. SUPERVISION. (PAST SEVEN YEARS):

LIFETIME SUMMARY		
Number of Students	Degree Type	Supervision Type
1	PhD	Supervisor
7	PhD	Co-supervisor
11	MSc	Supervisor
4	MSc	Co-supervisor

a. CONTRIBUTIONS TO TRAINING OF HIGHLY QUALIFIED PERSONNEL/ SUPERVISION. (PAST SEVEN YEARS):

Student	Degree/ Date	Supervision Type	Title
J Eibl	PhD '12	supervisor	Small molecules as NGF inhibitors
J Crispo	MSc '09	Co-S (Tai)	Protective effects of polyphenols
L Renault	MSc '11	Co-S (Scott)	Sustainability and impact of mine...
B Zhang	MSc '10	Co-S (Scott)	Control strategies for maximising...
L Douglas	MSc '13	supervisor	Microalgae obtained from natural...
M Loken	MSc '13	Co-S (Scott)	Recovery of waste heat...
N Hosseini	PhD	Co-S (Scott)	In progress
K Zhang	PhD	Co-S (Scott)	In progress
C Laamanen	PhD	Co-S (Scott)	In progress
J Corcoran	PhD	supervisor	In progress
G Senhorinho	PhD	supervisor	In progress
K Sheffield	MSc	supervisor	In progress
A Kennedy	PhD	supervisor	In progress

b. SUPERVISORY COMMITTEE MEMBERSHIP:

Student	Degree/ Date	Supervision Type	Title

c. EXTERNAL EXAMINER DUTIES:

Student	Degree/ Date	Supervision Type	Title