**CURRICULUM VITAE**

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**EDUCATION:**

1975-77 D.E.C., Biology, Marianopolis College, Montreal, Quebec

1977-80 B.Sc., Honours, Physiology, major; Biochemistry, minor; McGill Univ., Montreal, Quebec

1980-85 Ph.D., Pharmacology, Harvard University, Boston, MA

**RESEARCH EXPERIENCE**:

9/81-9/85 Department of Pharmacology, Harvard

Thesis Director, Dr. A.H. Tashjian, Jr.

Thesis: Stimulus-secretion coupling in rat pituitary cells: role of cytosolic free [Ca++] in the stimulation of hormone secretion by thyrotropin-releasing hormone.

11/85-4/89 Post-doctoral Fellow, Vollum Institute of Advanced Biomedical Research, Portland OR. Directors, Dr. E. Herbert, Dr. O. Civelli.

4/89-6/94 Assistant Professor, Department of Pharmacology and Therapeutics, McGill.

6/94-12/95 Associate Professor (Tenured), Department of Pharmacology and Therapeutics, McGill.

1/96-12/99 Adjunct Professor, Department of Pharmacology and Therapeutics, McGill.

12/95-5/2000 Associate Professor, Departments of Medicine and Cellular and Molecular Medicine, University of Ottawa.

1996- present CIHR/Novartis Michael Smith Chair in Neuroscience

1998-2001 Associate Member, Ottawa General Hospital Research Institute

2000- present Full Professor, Departments of Medicine and Cellular and Molecular Medicine, University of Ottawa.

2001- present Senior Scientist, Ottawa Hospital Research Institute

2004-12 Director, Neuroscience Graduate Program, University of Ottawa

2006- present Associate Director, Ottawa Hospital Research Institute (Neuroscience)

2007-12 Consultant, Center for Psychiatric Neuroscience, Univ. of Mississippi

2008-16 Member, Planning&Priorities Committee, Heart & Stroke Foundation Centre for Stroke Recovery

2009-12 Deputy Site Leader, Ottawa, Heart & Stroke Foundation Centre for Stroke Recovery

2011-12 Visiting Professor and Schaefer Research Scholar, Dept. of Integrative Neuroscience and Psychiatry, Columbia Univ., NY.

2015- present Adjunct Scientist, University of Ottawa Institute of Mental Health Research

2020-25 Co-Editor-in-Chief, Journal of Psychiatry and Neuroscience

2022-25 Adjunct Professor, Carleton University

**RESEARCH:**

5-HT1A (Serotonin-1A) receptor gene regulation and mental illness:

*Hypothesis:* Down-regulation of the 5-HT1A receptor gene in serotonin neurons is required for the antidepressant actions of therapeutic compounds. Understanding the proteins that regulate the 5-HT1A promoter will lead to insights on receptor regulation and provide new therapeutic targets relevant to depression, anxiety, obsessive compulsive disorder and other mental illnesses.

* *Approaches*: Knockout Models: We have cloned and characterized a number of key regulators of the rat and human 5-HT1A receptor genes using luciferase reporter fusion constructs transfected in cell lines. These include Deaf1, Hes proteins, Freud-1 (CC2D1A, a mental retardation gene), and Pet-1. We are now testing in vivo the effect of knockout of these repressors on 5-HT1A expression and 5-HT activity. Ultimately we are generating conditional knockout models that will allow us to assess the importance of these regulators in depression, anxiety, and responses to antidepressant treatment.
* Functional Genetic Polymorphisms: In addition to alteration by transcription factors, receptor expression could be modified by genetic polymorphisms. We have associated a novel polymorphism of the 5-HT1A receptor at C(-1019)G with depression, completed suicide and resistance to antidepressant treatment, and have shown that the risk allele fails to bind to repressors Deaf1 and Hes proteins. We are continuing to evaluate the functional significance of the polymorphism in depression using knockout models, and by in vitro assessments of the role of the C(-1019)G polymorphism in 5-HT1A expression.
* Environmental Stress Models: In addition to risk alleles that alter genetic regulation, environment appears also to alter gene regulation by inducing changes in DNA methylation at specific sites. We are examining the role of stressful environment on the developmental and epigenetic regulation of the 5-HT1A receptor and on behavioral depression in the adult.
* Multi-target transcriptional regulators: Freud-1, a strong repressor of the 5-HT1A receptor, also represses the dopamine D2 receptor gene, and suggests that a single transcription factor may coordinately regulate several neurotransmitter systems. We are examining the spectrum of genes regulated by a given repressor using a variety of approaches including identification of DNA elements, expression analysis of knockout tissues, gene arrays, etc.
* Multi-disease risk alleles: The likelihood of depression following stroke is about 2-fold increased, while stroke is more likely in depressed subjects. Thus, a given genetic polymorphism may influence predisposition to many illnesses. We are conducting association of the functional genetic polymorphisms implicated in depression with post-stroke depression and stroke recovery.
* Autoregulation of 5-HT1A receptor expression: We are examining the role of specific transcription factors in the down-regulation of 5-HT1A receptors upon chronic stimulation by 5-HT. This down-regulation appears crucial to allow antidepressants to enhance 5-HT activity and improve depressed behavior.

Novel G-protein signaling pathways:

*Hypothesis*: Serotonin and dopamine receptors act through G proteins that couple to a diversity of intracellular signals to produce opposite (stimulatory vs. Inhibitory) responses depending on the cell type. We hypothesize that these signals are mediated by cell type-specific G-protein-effector pathways and have addressed their G-protein specificity using two complementary approaches: transfection of sense vs. antisense G proteins and a rescue approach using PTX- or RGS-insensitive G protein mutants in fibroblast vs. pituitary cells. We then used the G-proteins identified to fish out the downstream effector using a yeast two hybrid approach. This has allowed us to identify two novel Gi3-regulated pathways: coupling to TNFAIP8 (and TIPE) to stimulate cell transformation and block TNF-induced apoptosis; and signaling to Gi3-induced RASA3 activation to inhibit activation of the Ras-Raf-MEK-ERK1/2 pathway.

* Gi3-TNFAIP8: this pathway appears to be anti-apoptotic, and may play a key role in coupling of G-proteins to oncogenic transformation. We are now examining which receptors and TNF related proteins trigger this pathway. Ultimately, we will examine the roles of this pathway in vivo, in oncogenesis but also in neuronal survival.
* Gi3-RASA3: This pathway is critical for dopamine D2S-induced inhibition of ERK1/2, particularly in pituitary cells. We propose that it may also mediate dopamine action to inhibit ERK1/2 and its signaling in neuronal (striatal) cultures and in vivo in negative regulation of the dopamine system.

Structure-function analysis of 5-HT1A and dopamine D2 receptor signaling:

*Hypothesis*: The intracellular domains are critical for the coupling and desensitization of the receptor. We hypothesize that disruption of specific interactions of these receptor domains with G or G will selectively block particular signaling pathways. We have identified the C-terminal portion of the i2 domain as critical for the signaling of the 5-HT1A receptor to multiple G pathways, and phosphorylation of this domain desensitizes the receptor. The first steps in receptor desensitization (uncoupling) may play a key role in the longterm actions of the receptor, thus we are also examining mechanisms of acute receptor regulation by phosphorylation.

* Mutation of receptor sites. We are continuing to generate new 5-HT1A mutants that target specific signaling pathways for molecular characterization of receptor-G protein-coupling and receptor desensitization by protein kinase C (PKC) or agonist. We will examine the roles of these changes in vivo with the goal of generating specific inhibitors of receptor signaling.
* BRET studies. We are using the BRET approach to specifically address the role of particular receptor domains in the interaction with G and G subunits. Our results indicate that mutations that specifically uncouple the receptor disrupt the association between the receptor and that G-protein subunit.
* Signal-specific blockers: based on the specificity of mutations to Ci2, we are generating several new reagents that can specifically alter the interaction of Ci2 with specific G-protein subunits to disrupt specific signaling pathways.

**PUBLICATIONS:**

Papers in refereed Journals (published, in press or submitted)

Albert lab members underlined; \*Co-first authors.

1. Albert PR and Tashjian AH Jr (1984) Thyrotropin-releasing hormone-induced spike and plateau in cytosolic free Ca++ concentrations in pituitary cells: Relation to prolactin release. J Biol Chem 259, 5827-5832.

2. Albert PR and Tashjian AH Jr (1984) Relationship of thyrotropin-releasing hormone-induced spike and plateau phases in cytosolic free Ca++ concentrations to hormone secretion: Selective blockade using ionomycin and nifedipine. J Biol Chem 259, 15350-15363.

3. Albert PR and Tashjian AH Jr (1985) Dual actions of phorbol esters on cytosolic free Ca++ concentrations and reconstitution with ionomycin of acute thyrotropin-releasing hormone responses. J Biol Chem 260, 8746-8759.

4. Albert PR and Tashjian AH Jr (1986) Ionomycin acts as an ionophore to release TRH-regulated Ca++ stores from GH4C1 cells. Amer J Physiol 251, C887-C891.

5. Albert PR Wolfson G and Tashjian AH Jr (1987) Diacylglycerol increases cytosolic free Ca++ concentration in rat pituitary cells. Relationship to thyrotropin-releasing hormone action. J Biol Chem 262, 6577-6581.

6. Civelli O, Machida C, Bunzow J, Albert P, Hanneman E, Salon J, Bidlack J, and Grandy D (1987) The next frontier in the molecular biology of the opioid system: the opioid receptors. Mol Neurobiol 1, 373-391.

7. Machida CA, Salon J, Grandy D, Bunzow J, Albert P, Hanneman E, Civelli O (1988) Three technical approaches for cloning opioid receptors. NIDA Research Monograph 87, 93-110.

8. Bunzow JR, VanTol HHM, Grandy D, Albert P, Salon J, Christie M, Machida C, Neve KA, and Civelli O (1988) Cloning and expression of a rat dopamine-D2 receptor cDNA. Nature 336, 783-787.

9. Hanneman E, Bunzow J, Salon J, Grandy D, Albert P, Machida C, and Civelli O (1989) Peptides encoded by the proopiomelanocortin gene, Ch. 3, in Peptide Hormones as Prohormones, ed. Jean Martinez. Ellis Horwood, Chichester. pp 53-82.

10. Albert PR, Neve KA, Bunzow J, and Civelli O (1990) Coupling of a cloned rat dopamine-D2 receptor to inhibition of adenylyl cyclase and prolactin secretion. J Biol Chem 265, 2098-2104.

11. Albert PR, Zhou Q-Y, VanTol HHM, Bunzow J, and Civelli O (1990) Cloning, functional expression, and mRNA tissue distribution of the rat 5-HT1A receptor gene. J Biol Chem 265, 5825-5832.

12. Vallar L, Muca C, Magni M, Albert P, Bunzow J, Meldolesi J, and Civelli O (1990) Differential coupling of dopaminergic D2 receptors expressed in different cell types. J Biol Chem 265, 10320-10326.

13. Elsholtz HP, Lew AM, Albert PR, and Sundmark VC (1991) Inhibitory control of prolactin and Pit-1 gene promoters by dopamine. Dual signaling pathways required for D2 receptor-regulated expression of the prolactin gene. J Biol Chem 266, 22919-22925.

14. Liu YF and Albert, PR (1991) Cell-specific signaling of the 5-HT1A receptor. Modulation by protein kinases C and A. J Biol Chem 266, 23689-23697.

15. Abdel-Baset H, Bozovic V, Szyf M, and Albert PR (1992) Conditional transformation mediated via a pertussis toxin-sensitive receptor signalling pathway. Mol Endocrinol 6 730-740.

16. Albert PR (1992) Molecular biology of the 5-HT1A receptor: low-stringency cloning and eukaryotic expression. J Chem Neuroanat 5, 283-288.

17. Liu YF, Civelli O, Grandy DK, and Albert PR (1992) Differential sensitivity of the short and long human dopamine-D2 receptor subtypes to protein kinase C. J Neurochem 59, 2311-2317.

18. Liu YF, Civelli O, Zhou Q-Y, and Albert PR (1992) Cholera toxin-sensitive 3', 5'-cyclic adenosine monophosphate and calcium signals of the human dopamine-D1 receptor: selective potentiation by protein kinase A. Mol Endocrinol 6, 1815-1824.

19. Albert PR, and Liston D (1993) Deletions of the synenkephalin domain which do not alter cell-specific proteolytic processing or regulated secretion of human proenkephalin. J Neurochem 60, 1325-1334.

20. Charest A, Wainer BH, and Albert PR (1993) Cloning and differentiation-induced expression of a murine serotonin1A receptor in a septal cell line. J Neurosci 13, 5164-5171.

21. Goetzl EJ, Kishiyama JL, Shames RS, Liu YF, Albert PR An S, Birke FW,Yang J, Sreedharan SP (1993) Specific inhibition of receptor-dependent human cellular responses by antisense mRNA depletion of individual G-proteins. Trans Assoc Amer Physicians 106, 69-76.

22. Albert PR (1994) Heterologous expression of G protein-coupled receptors in endocrine and non-endocrine cell lines. Vitamins and Hormones 48, 59-109.

23. Liu YF, Jakobs KH, Rasenick MM, and Albert PR (1994) G protein specificity in receptor-effector coupling. Analysis of the roles of Go and Gi2 in GH4 pituitary cells. J Biol Chem 269, 13880-13886.

24. Goetzl EJ, Shames RS, Yang J, Birke F, Liu YF, Albert PR, and An S (1994) Inhibition of human HL-60 cell responses to chemotactic factors by antisense messenger RNA depletion of G proteins. J Biol Chem 269, 809-812.

25. Albert PR, Morris SJ (1994) Antisense knockouts: molecular scalpels for the dissection of signal transduction. TIPS 15, 250-254.

26. Lembo P and Albert PR (1995) Multiple phosphorylation sites are required for pathway-selective uncoupling of the 5-hydroxytryptamine1A receptor by protein kinase C. Mol Pharmacol 48, 1024-1029.

27. Albert PR, Lembo P, Storring JM, Charest A, Saucier C (1996) The 5-HT1A receptor: signalling, desensitization, and gene regulation. Neuropsychopharmacol 14, 9-25.

28. Saucier C and Albert PR (1997) Identification of an endogenous 5-Hydroxytryptamine 2A receptor in NIH-3T3 cells: agonist-induced down-regulation involves decreases in receptor RNA and number. J Neurochem 68: 1998-2011.

29. Albert PR and Storring JM (1996) Clarifications on the effects of 5-HT1A agonists and selective 5-HT reuptake inhibitors on the 5-HT system. Response. Neuropsychopharmacol 14: 215-216.

30. Lembo PMC, Ghahremani MH, Morris SJ and Albert PR (1997) A conserved threonine residue in the second cytoplasmic loop of the 5-HT1A receptor directs pathway selective signaling. Mol Pharmacol 52, 164-171.

1. Lazzaro MA, Albert PR, Julien J-P (1997) A novel cdc2-related protein kinase expressed in the nervous system. J Neurochem 69: 348-364.
2. Saucier C, Morris SJ and Albert, PR (1998) Endogenous serotonin-2A and 2C receptors in Balb/c-3T3 cells: agonist-induced down-regulation and role in cell proliferation. Biochemical Pharmacology 56:1347-1357.
3. Albert PR, Morris SJ, Ghahremani MH, Storring JM, Lembo PMC (1998) A putative alpha-helical G-coupling domain in the second intracellular loop of the 5-HT1A receptor. Ann NY Acad Sci 861: 146-161.
4. Lembo PMC, Ghahremani MH and Albert PR (1999) Receptor selectivity of the cloned opossum GRK2 in intact OK cells: Role in desensitization of endogenous 2C-adrenergic but not 5-HT1B receptors. Mol Endocrinology 13: 138-147.
5. Liu YF, Ghahremani MH, Rasenick MM, Jakobs KH, and Albert PR (1999) Stimulation of cAMP synthesis by Gi-Coupled receptors upon ablation of distinct Gi protein expression. Gi subtype specificity of the serotonin1A receptor. J Biol Chem 274, 16444-16450.
6. Ghahremani MH, Lembo PMC, and Albert PR (1999) Distinct roles for Gi2, Gi3, and G in modulation of forskolin- or Gs-induced cAMP accumulation and calcium mobilization by dopamine D2S receptors. J Biol Chem 274, 9238-9245.
7. Albert PR, Sajedi N, Lemonde S and Ghahremani MH (1999) Constitutive Gi2-dependent activation of adenylyl cyclase type II by the 5-HT1A receptor. Inhibition by anxiolytic partial agonists. J Biol Chem 274, 35469-35474.
8. Storring JM, Charest A, Cheng P, and Albert PR (1999) TATA-driven transcriptional initiation and regulation of the rat 5-HT1A receptor gene. J Neurochem 72, 2238-2247.
9. Ou X-M, Jafar-Nejad H, Storring JM, Meng J-H, Lemonde S and Albert PR (2000) Novel dual repressor elements for neuronal cell-specific transcription of the rat 5-HT1A receptor gene. J Biol Chem 275, 8161-8168.
10. Ghahremani MH, Forget C, and Albert PR (2000) Distinct roles for Gi2/G in signalling to DNA synthesis and Gi3 in cellular transformation by dopamine D2S receptor activation in Balb/c-3T3 cells. Mol Cell Biol 20, 1497-1506.
11. Abdouh M, Storring JM, Riad M, Paquette Y, Albert PR, Drobetsky E, and Kouassi E (2001) Transcriptional mechanisms for induction of 5-HT1A receptor mRNA and protein in activated B and T lymphocytes. J Biol Chem276, 4382-4388.
12. Ou XM, Storring JM, Kushwaha N and Albert PR (2001) Heterodimerization of mineralocorticoid and glucocorticoid receptors at a novel negative response element of the 5-HT1A receptor gene.J Biol Chem 276, 14299-14307.
13. Wu X, Kushwaha N, Albert PR, and Penington NJ (2002) A critical protein kinase C phosphorylation site on the 5-HT1A receptor controlling coupling to N-type calcium channels. J Physiol (Lond) 538.1, 41-51.
14. Fortin A, Cregan SP, MacLaurin J, Kushwaha N, Hickman ES, Thompson C, Hakim A, Albert PR, Cecconi F, Gruss P, Helin K, Park DS and Slack RS (2001) APAF1 is a key transcriptional target for p53 in the regulation of neuronal cell death. J Cell Biology 155, 207-216
15. Albert PR and Robillard L (2002) G protein specificity: traffic direction required. Cellular Signalling 14, 407-418.
16. Albert PR and Tiberi M (2001) Receptor signaling and structure: insights from the serotonin-1 receptors. Trends Endocrinol Metab 12, 453-460.
17. Banihashemi B and Albert PR (2002) Dopamine-D2S receptor inhibition of calcium influx, adenylyl cyclase and mitogen-activated protein kinase in pituitary cells: distinct Galpha-i and Gbeta-gamma requirements. Mol Endocrinol 16, 2393-2404.
18. Albert PR (2002) G protein preferences for dopamine D2 inhibition of prolactin secretion and DNA synthesis in GH4 pituitary cells. Mol Endocrinol 16, 1903-11.
19. Albert PR (2002) Editorial: Dopamine-D2 mediated inhibition of TRH-induced phospholipase C activation in pituitary cells: direct or indirect? Endocrinology 143, 744-6.
20. Liu G, Robillard L, Banihashemi B and Albert PR (2002) Growth hormone-induced diacylglycerol and ceramide formation via Gαi3 and Gβγ in GH4 pituitary cells: potentiation by dopamine-D2 receptor activation. J Biol Chem 277, 48427-33.
21. Liu G, Ghahremani MH, and Albert PR (2003) Ceramide and diacylglycerol formation induced by dopamine D2S receptors via Gβγ subunits but not Gαi2 and Gαi3 in BALB/c-3T3 cells. Am J Physiol Cell Physiol 284, C640-8.
22. Lemonde S, Turecki G, Bakish D, Du L, Hrdina PD, Bown CD, Basak A, Kushwaha N, Sequeira A, Morris SJ, Ou X, and Albert PR (2003) Impaired repression at a 5-hydroxytryptamine 1A receptor polymorphism associated with major depression and suicide. J Neuroscience 23, 8788-8799.
23. \*Ou X-M, \*Lemonde S, Jafar-Nejad H, Bown CD, Goto A, Rogaeva A and Albert PR (2003) Freud-1: A neuronal calcium-regulated repressor of the 5-HT1A receptor gene. J Neuroscience 23, 7415-25. \*co-first authors
24. Al-Hakim A, Rui X, Tsao J, Albert PR and Schimmer BP (2004) A role for type 4 adenylyl cyclase in the forskolin-response pathway of Y1 mouse adrenocortical tumor cells. Mol Cell Endocrinol 214, 155-165.
25. Abdouh M, Albert PR, Drobetsky E, Filep JG and Kouassi E (2004) 5-HT1A-mediated promotion of mitogen-activated T and B cell survival and proliferation is associated with increased translocation of NF-B to the nucleus. Brain, Behav and Immunity 18, 24-34.
26. Mao H, Zhao Q, Daigle M, Ghahremani MH, Chidiac P, Albert PR (2004) RGS17, a novel Rz family regulator of Gi/o, Gz, and Gq signaling. J Biol Chem 279, 26314-22.
27. Rui X, Al-Hakim A, Tsao J, Albert PR and Schimmer BP (2004) Expression of adenylyl cyclase-4 (AC-4) in Y1 and forskolin resistant adrenal cells. Mol Cell Endocrinol 215: 101-108.
28. Lemonde S, Rogaeva A, Albert PR (2004) Cell type-dependent recruitment of trichostatin A-sensitive repression of the human 5-HT1A receptor gene. J Neurochem 88, 857-868.
29. Fortin A, MacLaurin JG, Arbour N, Cregan SP, Kushwaha N, Callaghan SM, Park DS, Albert PR, and Slack RS (2004) The proapoptotic gene Siva is a direct transcriptional target for the tumor suppressor p53 and E2F1. J Biol Chem 279, 28706-14.
30. Lemonde S, Du L, Bakish D, Hrdina PD, Albert PR (2004) Association of the C(-1019)G 5-HT1A functional promoter polymorphism with antidepressant response. Int J Neuropsychopharmacol 7, 501-506.
31. Kushwaha N and Albert PR (2005) Coupling of 5-HT1A autoreceptors to inhibition of mitogen-activated protein kinase activation via Gβγ subunit signaling. Eur J Neuroscience 21, 721-32.
32. Albert PR and Lemonde S (2004) 5-HT1A receptors, gene repression and depression: guilt by association. Neuroscientist 10: 575-593.
33. Kushwaha N, Harwood SC, Wilson AM, Berger M, Tecott LH, Roth BL and Albert PR (2006) Molecular determinants in the second intracellular loop of the 5-hydroxytryptamine(1A) (5-HT1A) receptor for G-protein coupling. Mol Pharmacol 69, 1518-26.
34. \*Czesak M, \*Lemonde S, Peterson EA, Rogaeva A, Albert PR (2006) Cell-specific repressor or enhancer activities of NUDR/Deaf-1 at a 5-HT1A receptor gene polymorphism. J Neuroscience 26, 1864-71.
35. O’Hare MJ, Kushwaha N, Zhang Y, Aleyasin H, Callaghan SM, Slack RS, Albert PR, Vincent I, Park DS (2005) Differential roles of nuclear and cytoplasmic cdk5 in apoptotic and excitotoxic neuronal death. J Neuroscience 25, 8954-66.
36. Nunn C, Mao H, Chidiac P, Albert PR (2006) RGS17/RGSZ2 and the RZ/A family of regulators of G protein signaling. Sem Cell Devel Biol 17, 390-9.
37. Czesak M, Burns A, Remes Lenicov F, Albert PR (2007) Characterization of rat rostral raphe primary cultures: multiplex quantification of serotonergic markers. J Neurosci Methods 164, 59-67.
38. Itzhaki Van-Ham I, Banihashemi B, Wilson AM, Jacobsen KX, Czesak M and Albert PR (2007) Differential signaling of dopamine-D2S and -D2L receptors to inhibit ERK1/2 phosphorylation. J Neurochem 102, 1796–1804.
39. Morris SJ, Itzhaki Van-Ham I, Robillard L, Sajedi N, Daigle M and Albert, PR (2007) Differential desensitization of dopamine D(2) receptor isoforms by protein kinase C: The importance of receptor phosphorylation and pseudosubstrate sites. Eur J Pharmacol 577, 44-53.
40. Rogaeva A, Ou X-M, Jafar-Nejad H, Lemonde S, and Albert PR (2007) Differential repression by Freud-1/CC2D1A at a polymorphic site in the dopamine-D2 receptor gene. J Biol Chem 282, 20897-20905.
41. Rogaeva A, Galaraga K and Albert, PR (2007) The Freud-1/CC2D1A family: transcriptional regulators implicated in mental retardation. J Neurosci Res 85, 2833-8.
42. Qu D, Rashidian J, Mount MP, Aleyasin H, Parsanejad M, Lira A, Haque E, Zhang Y, Callaghan S, Daigle M, Rousseaux MW, Slack RS, Albert PR, Vincent I, Woulfe JM, Park DS (2007) Role of Cdk5 mediated phosphorylation of Prx2 in MPTP toxicity and Parkinson's Disease. Neuron 55, 37-52.
43. Remes Lenicov F, Lemonde S, Czesak M, Mosher TM, and Albert PR (2007) Cell-type specific induction of tryptophan hydroxylase-2 gene transcription by calcium mobilization. J Neurochem 103, 2047–2057.
44. Rogaeva A and Albert PR (2007) The mental retardation gene CC2D1A/Freud-1 encodes a long isoform that binds conserved DNA elements to repress gene transcription. Eur J Neurosci 26, 965–974.
45. Jacobsen KX, Vanderluit J, Slack RS and Albert PR (2008) HES1 regulates 5-HT1A receptor gene transcription at a functional polymorphism: Essential role in developmental expression. Mol Cell Neurosci 38, 349-358.
46. Jacobsen KX, MacDonald H, Lemonde S, Daigle M, Grimes DA, Bulman DE and Albert PR (2008) A Nurr1 point mutant, implicated in Parkinson’s disease, uncouples ERK1/2-dependent regulation of tyrosine hydroxylase transcription. Neurobiol Dis 29, 117-122.
47. Nafisi H, Banihashemi B, Daigle M, Albert PR (2008) GAP1(IP4BP)/RASA3 mediates Galpha(i)-induced inhibition of mitogen-activated protein kinase. J Biol Chem 283, 35908-17.
48. Quan W, Kim JH, Albert PR, Choi H, Kim KM (2008): Roles of G protein and beta-arrestin in dopamine D(2) receptor-mediated ERK activation. Biochem Biophys Res Commun 377, 705-9.
49. Le François B, Czesak M, Steubl D, Albert PR (2008) Transcriptional regulation at a HTR1A polymorphism associated with mental illness. Neuropharmacol 55, 977–985.
50. Szewczyk B, Albert PR, Burns AM, Czesak M, Overholser JC, Jurjus GJ, Meltzer HY, Konick LC, Dieter L, Herbst N, May W, Rajkowska G, Stockmeier CA, Austin MC (2009) Gender-specific decrease in NUDR and 5-HT1A receptor proteins in the prefrontal cortex of subjects with major depressive disorder. Int J Neuropsychopharmacol 12, 155-68.
51. Hadjighassem MR, Szewczyk B, Austin MC, Daigle M, Stockmeier CA, Albert PR (2009) Human Freud-2/CC2D1B: a novel repressor of post-synaptic 5-HT1A receptor expression. Biol Psychiatry 66, 214-222.
52. Yip L, Su L, Sheng D, Chang P, Atkinson M, Czesak M, Albert PR, Collier A, Turley SJ, Fathman CG and Creusot RJ (2009) Deaf1 isoforms control the expression of genes encoding peripheral tissue antigens in the pancreatic lymph nodes during type 1 diabetes. Nature Immunol 10: 1026-33.
53. Iyo AH,Kieran N, Chandran A, Albert PR, Wicks I, Bissette G and Austin MC (2009) Differential regulation of the serotonin 1 A transcriptional modulators five-prime repressor element under dual repression-1 and nuclear-deformed epidermal autoregulatory factor by chronic stress. Neuroscience 163, 1119-27.
54. Knott V, Millar A, Fisher D, Albert P (2010) Effects of nicotine on the amplitude and gating of the auditory P50 and its influence by dopamine D2 receptor gene polymorphism. Neuroscience 166, 145-56.
55. Szewczyk B, Albert PR, Rogaeva A, Fitzgibbon H, May W, Rajkowska G, Miguel-Hidalgo JJ, Stockmeier CA, Woolverton WL, Kyle PB, Wang Z, Austin MC (2010) Decreased Expression of Freud-1/CC2D1A, a transcriptional repressor of the 5-HT1A Receptor, in the prefrontal cortex of subjects with major depression. Int J Neuropsychopharmacol 13, 1089-101.
56. Albert PR, Le François B (2010) Modifying 5-HT1A receptor gene expression as a new target for antidepressant therapy. Front Neuropharmacol 2:35. doi:10.3389/fnins.2010.00035.
57. Laliberté B, Wilson A, Nafisi H, Mao H, Daigle M, Albert PR (2010) TNFAIP8: a new effector for Galpha(i) coupling to reduce cell death and induce cell transformation. J Cellular Physiol 225, 865–74.
58. Zhang X, Nicholls PJ, Laje G, Sotnikova TD, Gainetdinov RR, Albert PR, Rajkowska G, Stockmeier CA, Speer M, Steffens DC, Austin MC, McMahon FJ, Krishnan KRR, Garcia-Blanco MA, Caron MG (2011) A functional alternative splicing mutation in human tryptophan hydroxylase-2. Mol Psychiatry 16(12):1169-76. doi: 10.1038/mp.2010.99
59. Hadjighassem MR, Galaraga K and Albert PR (2011) Freud-2/CC2D1B mediates dual repression of the 5-HT1A receptor gene. Eur J Neurosci 33(2): 214-23.
60. Albert PR (2010) Epigenetics in mental health: hope or hype? J Psych Neurosci 35, 366-7.
61. Jacobsen KX, Czesak M, Deria M, Le François B, Albert PR (2011) Region-specific regulation of 5-HT1A receptor expression by Pet-1-dependent mechanisms *in vivo*. J Neurochem 116, 1066-76.
62. Thibault D, Pineyro G, Albert PR, Trudeau L-E (2011) Neurotensin triggers dopamine D2 receptor desensitization through a PKC and beta-arrestin1-dependent mechanism. J Biol Chem 286, 9174-84.
63. Albert PR, Le François B, Millar AM (2011) Transcriptional dysregulation of 5-HT1A autoreceptors in mental illness. Mol Brain 4:21.
64. Swardfager W, Herrman N, Marzolini S, Saleem M, Shammi P, Oh PI, Albert PR, Daigle M, Kiss A, Lanctôt KL (2011) Brain derived neurotrophic factor, cardiopulmonary fitness and cognition in patients with coronary artery disease. Brain Behav Immun 25, 1264–1271. DOI: 10.1016/j.bbi.2011.04.017.
65. Johnson S, Stockmeier CA, Meyer, JH, Austin MC, Albert PR, Wang J, Johnson C, May WL, Sittman D and Ou X (2011) [The reduction of R1, a novel repressor protein for monoamine oxidase A, in major depressive disorder.](http://www.ncbi.nlm.nih.gov/pubmed/21654740) Neuropsychopharmacology 36, 2139-48. doi: 10.1038/npp.2011.105.
66. Millar A, Smith D, Choueiry, J, Fisher, D, Albert, P and Knott, V (2011) The moderating role of the dopamine transporter 1 gene on P50 sensory gating and its modulation by nicotine. Neuroscience 180, 148-156.
67. Albert PR (2011) What is a functional genetic polymorphism? Defining classes of functionality. J Psychiatry Neurosci 36:363-365.
68. Seyedabadi M, Ostad SN, Albert PR, Dehpour AR, Rahimian R, Ghazi-Khansari M, Ghahremani MH (2012) Ser/Thr residues at alpha3/beta5 loop of Galphas are important in morphine-Induced adenylyl cyclase sensitization but not mitogen-activated protein kinase phosphorylation. FEBS J 279, 650-60. doi: 10.1111/j.1742-4658.2011.08459.x.
69. Czesak M\*, Le François B\*, Millar AM, Deria M, Daigle M, Visvader JE, Anisman H, Albert PR (2012) Increased serotonin-1A (5-HT1A) autoreceptor expression and reduced raphe serotonin levels in Deformed Epidermal Autoregulatory Factor-1 (Deaf-1) gene knock-out mice. J Biol Chem 287, 6615-6627.
70. Albert PR (2012) Transcriptional regulation of the 5-HT1A receptor: implications for mental illness. Phil Trans Royal Soc B 367, 2402-15.
71. Adeosun SO, Albert PR, Austin MC, Iyo AH (2012) 17beta-estradiol-induced regulation of the novel 5-HT(1A)-related transcription factors NUDR and Freud-1 in SH SY5Y cells. Cell Mol Neurobiol 32(4):517-21.
72. Grunewald M, Johnson S, Lu D, Wang Z, Lomberk G, Albert PR, Stockmeier CA, Meyer JH, Urrutia R, Miczek KA, Austin MC, Wang J, Woolverton WL, Seo S, Sittman DB, Ou XM (2012) Mechanistic role for a novel glucocorticoid-KLF11 pathway in stress-induced monoamine oxidase A expression. J Biol Chem 287, 24195-206.
73. Albert PR (2012) Drugs for kids: Good or bad? J Psychiatry Neurosci 37:293-295.
74. Wu X, Kushwaha N, Banerjee P, Albert PR and Penington NJ (2013) Role of protein kinase C in agonist-induced desensitization of 5-HT1A receptor coupling to calcium channels in F11 cells. Eur J Pharmacol 706, 84-91. 10.1016/j.ejphar.2013.03.005
75. Albert PR, Fiori LM (2013) Transcriptional dys-regulation in anxiety and major depression: 5-HT1A genepromoter architecture as a therapeutic opportunity. Current Pharmaceutical Design 20: 3738-50.
76. de la Salle S, Smith D, Choueiry J, Impey D, Philippe T, Dort H, Millar A, Albert P, Knott V (2013) Effects of COMT genotype on sensory gating and its modulation by nicotine: Differences in low and high P50 suppressors. Neuroscience 241, 147-156. 10.1016/j.neuroscience.2013.03.029
77. Ordureau A, Enesa K, Nanda S, Le Francois B, Peggie M, Prescott A, Albert PR, Cohen P (2013) DEAF1 is a Pellino1-interacting protein required for interferon production by Sendai virus and double stranded RNA. J Biol Chem 288, 24569-80. 10.1074/jbc.M113.479550
78. Udemgba C, Johnson S, Stockmeier CA, Luo J, Albert PR, Wang J, May WL, Rajkowska G, Harris S, Sittman DB, Ou XM (2014) The expression of KLF11 (TIEG2), a monoamine oxidase B transcriptional activator in the prefrontal cortex of human alcohol dependence. Alcohol Clin Exp Res. 38, 144-51. 10.1111/acer.12229
79. Albert PR (2014) Light up your life: Optogenetics for depression? J Psychiatry Neurosci 39, 3-5.
80. Albert PR, Vahid-Ansari F, Luckhart C (2014) Serotonin-prefrontal cortical circuitry in anxiety and depression phenotypes: pivotal role of pre- and post-synaptic 5-HT1A receptor expression. Front Behav Neurosci 8, 199. doi: 10.3389/fnbeh.2014.00199.
81. Szewczyk B, Kotarska K, Misztak P, Rafalo A, Daigle M, Curzytek K, Kubera M, Basta-Kaim A, Nowak G, Albert PR (2014) Stress-induced alterations in 5-HT1A receptor transcriptional modulators NUDR and Freud-1. Int J Neuropsychopharm 17, 1763-75. 10.1017/S146114571400100X
82. Albert PR (2014) Editorial. Int J Neuropsychopharmacol 17, 1727-1728.
83. Harris S, Johnson S, Duncan JW, Udemgba C, Meyer JH, Albert PR, Lomberk G, Urrutia R, Ou XM, Stockmeier CA, Wang JM (2015) Evidence revealing deregulation of the KLF11-MAOA pathway in association with chronic stress and depressive disorders. Neuropsychopharmacology 40: 1373-1382. doi: 10.1038/npp.2014.321
84. Bowers H, Smith D, de la Salle S, Choueiry J, Impey D, Philippe T, Dort H, Millar A, Daigle M, Albert PR, Beaudoin A, Knott V (2015) COMT polymorphism modulates the resting state EEG alpha oscillatory response to acute nicotine in male nonsmokers. Genes Brain Behav 14, 466-76.
85. Albert PR (2015) Why is depression more prevalent in women? J Psychiatry Neurosci 40:219-21.
86. Le François B, Soo J, Millar AM, Daigle M, Le Guisque AM, Leman S, Minier F, Belzung C, Albert PR (2015) Chronic mild stress and antidepressant treatment alter 5-HT1A receptor expression by modifying DNA methylation of a conserved Sp4 site. Neurobiol Dis 82: 332-41. 10.1016/j.nbd.2015.07.002.
87. Satała G, Duszyńska B, Stachowicz K, Rafalo A, Pochwat B, Lenda T, Daigle M, Luckhart C, Albert PR, Tanaka KF, Hen R, Nowak G, Bojarski AJ, Szewczyk B (2016) Concentration-dependent dual mode of Zn action at serotonin 5-HT1A receptors: in vitro and in vivo studies. Mol Neurobiol 53(10): 6869-81. Doi:10.1007/s12035-015-9586-3.
88. Hamzehlou S, Albert PR, Farajollahi MM (2015) Requirement of a Blocking Step in Affinity Purification of Polyclonal Antibodies. Int J Mol Cell Med 4:196-198.
89. Donaldson ZR, Le Francois B, Santos TL, Boldrini M, Champagne F, Arango V, Mann JJ, Stockmeier CA, Galfalvy H, Ressler KJ, Albert PR, Hen R (2016) The functional serotonin 1a receptor promoter polymorphism, rs6295, is associated with psychiatric illness and differences in transcription. Transl Psychiatry 6:e746, 1-10. doi: 10.1038/tp.2015.226
90. Vahid-Ansari F, Lagace DC, Albert PR (2016) Persistent post-stroke depression in mice following unilateral medial prefrontal cortical stroke. Transl Psychiatry 6: e863, 1-11. doi:10.1038/tp.2016.124
91. Luckhart C, Philippe TJ, Le François B, Vahid-Ansari F, Geddes SD, Beique JC, Lagace DC, Daigle M, Albert PR (2016) Sex-dependent adaptive changes in serotonin-1A autoreceptor function and anxiety in Deaf1-deficient mice. Mol Brain 9: 77, 1-10. doi: 10.1186/s13041-016-0254-y
92. Souslova T, Mirédin K, Millar AM and Albert PR (2017) Recruitment by the repressor Freud-1 of histone deacetylase-Brg1 chromatin remodeling complexes to strengthen HTR1A gene repression. Mol Neurobiol 54, 8263-8277. doi:10.1007/s12035-016-0306-4
93. Albert PR (2017) The adaptive brain in mental health: overcoming inherited risk factors. J Psych Neurosci 42, 3-5. doi: 10.1503/jpn.160225
94. Rajkowska G, Mahajan G, Legutko B, Challagundla L, Griswold M, Albert PR, Daigle M, Miguel-Hidalgo JJ, Austin MC, Blakely RD, Steffens DC, Stockmeier CA (2017) Length of axons expressing the serotonin transporter in orbitofrontal cortex is lower with age in depression. Neuroscience 359, 30-39. doi: 10.1016/j.neuroscience.2017.07.006
95. Vahid-Ansari F, Daigle M, Manzini MC, Tanaka KF, Hen R, Geddes SD, Beique JC, James J, Merali Z, Albert PR. (2017) Abrogated Freud-1/CC2D1A repression of 5-HT1A autoreceptors induces fluoxetine-resistant anxiety/depression-like behavior. J Neurosci 37, 11967-11978. 10.1523/JNEUROSCI.1668-17.2017.
96. Vahid-Ansari F and Albert PR. (2018) Chronic fluoxetine induces activity changes in recovery from post-stroke anxiety, depression and cognitive impairment. Neurotherapeutics 15, 200-215. 10.1007/s13311-017-0590-3.
97. Albert PR. (2018) Is poststroke depression the same as major depression? J Psychiatry Neurosci 43:76-78.
98. Philippe TJ\*, Vahid-Ansari F\*, Donaldson ZR, Le François B, Zahrai A, Turcotte-Cardin V, Daigle M, James J, Hen R, Merali Z, Albert PR. (2018) Loss of MeCP2 in adult 5-HT neurons induces 5-HT1A autoreceptors, with opposite sex-dependent anxiety and depression phenotypes. Scientific Reports 8:5788, 1-13. 10.1038/s41598-018-24167-8
99. Le François B, Zhang L, Mahajan GJ, Stockmeier C, Friedman E, Albert PR (2018) A novel alternative splicing mechanism that enhances human 5-HT1A receptor RNA stability is altered in major depression. J Neurosci 38: 8200-10. DOI: 10.1523/JNEUROSCI.0902-18.2018.
100. Albert PR and Vahid-Ansari F (2019) The 5-HT1A receptor: signaling to behavior. Biochimie 161: 34-45. DOI: [10.1016/j.biochi.2018.10.015](https://doi.org/10.1016/j.biochi.2018.10.015)
101. Turcotte-Cardin V, Vahid-Ansari F, Luckhart C, Daigle M, Geddes SD, Tanaka KF, Hen R, James J, Merali Z, Beique JC, Albert PR. (2019) Loss of adult 5-HT1A autoreceptors results in a paradoxical anxiogenic response to antidepressant treatment. J Neurosci 39: 1334-46. doi: 10.1523/JNEUROSCI.0352-18.2018
102. Albert PR, Le François B, Vahid-Ansari F (2019) Genetic, epigenetic and post-transcriptional mechanisms for treatment of major depression: the 5-HT1A receptor gene as a paradigm. J Psychiatry Neurosci 44:164-176. Doi: 10.1503/jpn.180209.
103. Vahid-Ansari F, Zhang M, Zahrai A, Albert PR (2019) Overcoming resistance to selective serotonin reuptake inhibitors: targeting serotonin, serotonin-1A receptors and adult neuroplasticity. Front Neurosci. 13:404. doi:10.3389/fnins.2019.00404
104. Albert PR (2019) Adult neuroplasticity: A new "cure" for major depression? J Psychiatry Neurosci 44:147-150. Doi: 10.1503/jpn.190072
105. Seyedabadi M, Ghahremani MH, and Albert PR. (2019) Biased Signaling of G Protein Coupled Receptors (GPCRs): Molecular Determinants of GPCR/Transducer Selectivity and Therapeutic Potential. Pharmacology & Therapeutics 200:148-178. Doi: 10.1016/j.pharmthera.2019.05.006
106. Aldea D, Kokalari B, Luckhart C, Albert PR, Kamberov YG (2019) The transcription factor Deaf1 modulates Engrailed-1 expression to regulate the specification of skin appendage fate. J Investig Dermatol 139:2378-2381 e4. Doi: 10.1016/j.jid.2019.05.007
107. Albert PR (2019) Targeting Homer-1a for rapid antidepressant effects. Neuron 104:182-3. Doi: 10.1016/j.neuron.2019.10.003.
108. Albert PR (2020) Orphans to the rescue: orphan G-protein coupled receptors as new antidepressant targets. J Psychiatry Neurosci 45:301-303. doi: 10.1503/jpn.200149
109. Zahrai A, Vahid-Ansari F, Daigle M, Albert PR. (2020) Fluoxetine-induced recovery of serotonin and norepinephrine projections in a mouse model of post-stroke depression. Transl Psychiatry 10: 334. doi: 10.1038/s41398-020-01008-9
110. Hayley S, Hakim AM, Albert PR (2021) Depression, dementia and immune dysregulation. Brain 144:746-760. doi: 10.1093/brain/awaa405
111. Vahid-Ansari F and Albert PR (2021) Rewiring of the serotonin system in major depression. Front Psych Mol Psych 12:2275. doi: 10.3389/fpsyt.2021.802581.
112. Albert PR (2021) Functional gene polymorphisms’ influence on human behavior: the case of CCR5. J Psychiatry Neurosci 46, E659-62. doi: 10.1503/jpn.210197

Submitted or in Revision:

1. Burns AM, Arbach MT, Du L, Bakish D, Albert PR. Gender-Specific Association of Two Serotonin 2A Receptor Gene Polymorphisms with Major Depressive Disorder. In revision.
2. Rogaeva A, Burns AM, Lemonde S, Rogaev EI, Du L, Bakish D and Albert PR. Linkage between a novel functional dopamine-D2 polymorphism and the TaqIA variation: association studies in schizophrenia and depression datasets. In revision.
3. Le François B, Lu J, Burns AM, Stockmeier CA, Austin MC, Overholser JC, Jurjus GJ, Meltzer HY, Albert PR 5-HT1A promoter methylation and reduced mRNA expression in schizophrenia suicide prefrontal cortex. In Revision.
4. Galaraga K, Rogaeva A, Albert PR. CaMKIV-mediated phosphorylation inactivates Freud-1/CC2D1A for calcium-dependent 5-HT1A receptor gene induction. Submitted.
5. Rubinow MJ, Mahajan G, May W, Overholser JC, Jurjus GJ, Dieter L, Herbst N, Albert PR, Daigle M, Miguel-Hidalgo JJ, Steffens DC, Rajkowska G, Stockmeier CA. HTR1A promoter polymorphism and depression duration influence amygdala volume and cellular makeup. In revision.
6. Joselin A, González YR, Kamkar F, Jafar-Nejad P, Wang S, Qu D, Sanchez-Alvarez L, Hawari D, Sonnenfeld M, Slack RS, Albert PR, Park DS (2022) PFTK1 kinase regulates axogenesis during development via RhoA activation. Submitted

Interviews:

1. **Teasing out Depression’s Genetic Pathways** by [Carl Sherman](http://www.dana.org/people/authors.aspx?id=38110). Dana Foundation Newsletter, July 7, 2010. [http://www.dana.org/News/Details.aspx?id=43088http://www.dana.org/News/Details.aspx?id=43088](http://www.dana.org/News/Details.aspx?id=43088)
2. **Cover Story – Neurology: Revoking serotonin’s auto license.** Fulmer, T SciBX 3(5); doi:10.1038/scibx.2010.137, Published online Feb. 4 2010. <http://www.nature.com/scibx/journal/v3/n5/full/scibx.2010.137.html>
3. **Surplus of Serotonin Receptors May Explain Failure of Antidepressants in Some Patients** by Janis C. Kelly. Medscape Medical News,Published online January 18, 2010. <http://www.medscape.com/viewarticle/715337>
4. **New model responds to antidepressant but not exercise for memory loss, depression post-stroke.** Canadian Stroke Recovery News - December 2017. <https://mailchi.mp/c7c6f042edb5/cpsr-stroke-recovery-news-e-newsletter?e=4f420e8a1d>
5. **Depression linked to “Junk DNA”** Interview on “The Goods with Dahlia Kurtz”, CFRA, Ottawa. Posted online December 1, 2018: <http://www.iheartradio.ca/580-cfra/site-search-local-7.15195509?searchField=paul%20albert>
6. **CPSR Research in Focus.**  Canadian Stroke Recovery News - May 2019. <https://mailchi.mp/697e71da07d2/canadian-stroke-recovery-news-may-2019?e=4f420e8a1d>
7. **Ottawa Morning with Robyn Bresnahan - Oct. 25, 2019: Lifetime Science Award.** Link for the interview: <https://www.cbc.ca/listen/live-radio/1-100-ottawa-morning/clip/15743089-lifetime-science-award>
8. **Ottawa Hospital Awards.** Interview on “The Goods with Dahlia Kurtz”, CFRA, Ottawa. Posted online Nov. 3, 2019. [**LISTEN NOW: Meet two researchers from the Ottawa Hospital recognized for their work on blood clots, and in neuroscience**](https://www.iheartradio.ca/580-cfra/podcasts/listen-now-meet-two-researchers-from-the-ottawa-hospital-recognized-for-their-work-on-blood-clots-and-in-neuroscience-1.10163125?mode=Article)

Chapters in Books:

1. Civelli O, Bunzow J, Albert P, Van Tol H, Grandy D (1991) Molecular biology of the dopamine D2 receptor. NIDA Research Monograph 111, 45-53.
2. Civelli O, Bunzow J, Albert P, Van Tol HHM, Grandy D (1992) The Dopamine D2 Receptor. In: **Molecular Biology of G-Protein-Coupled Receptors** (Brann MR, ed), pp 160-169. Boston, MA: Birkhäuser Boston.
3. Albert PR, Ghahremani MH, Morris SJ (1997) Dopaminergic regulation of pituitary prolactin secretion. In: **The Dopamine Receptors**. Chapter 12, David Bylund, Rachael Neve eds., Humana Press Inc., Totowa, NJ. pp. 359-381.
4. Albert PR, Lembo PMC, Morris SJ (1997) Protein kinase C as a modulator of 5-HT1A and dopamine-D2 receptor signalling. In: **Neuro Methods**: Vol. 31 G-Protein Methods and Protocols. Eds: R.K. Mishra, G. Baker, A. Boulton. Humana Press, Totowa, NJ. pp. 163-187.
5. Albert PR and Morris SJ (1998) Selective antagonism of receptor signaling using antisense RNA to deplete G-protein subunits. In: **Methods in Molecular Biology: Vol. 84: Transmembrane Signaling Protocols.** D. Bar Sagi, ed. Humana Press, Totowa NJ. 107-122.
6. Albert PR (2001) Homology cloning of cDNA/genomic DNA. Chapter 4.1 **Current Protocols in Neuroscience**, J. Crawley, C. Gerfen, R. McKay, M. Rogawski, D. Sibley, P.Skolnick. John Wiley and Sons, N.Y.
7. Ou X and Albert PR (2001) Transcriptional regulation of the rat 5-HT1A receptor gene. **Research Advances in Biological Chemistry**, Vol. 1, 1-8. Editor: R.M. Mohan. Global Research Network, Kerali, India.
8. Remes-Lenicov, F, Jacobsen, KX, Rogaeva A, Czesak M, Hadjighasem M, Daigle M, Albert PR (2007) Identification of novel transcriptional regulators in the nervous system. New Frontiers in Neuroscience: **Serotonin Receptors in Neurobiology. Chapter 5,** p. 81-104. Edited by A. Chattopadhyay (series editors S. Simon and M. Nicolelis). CRC Press, Boca Raton, FL
9. Millar AM, Souslova, T and Albert PR (2012) The Freud-1/CC2D1A family: multifunctional regulators implicated in mental retardation. Ch. 13, pp. 279-302. **Intellectual and Developmental Disabilities**, ISBN 978-953-307-780-2. Ed, Uner Tan, Intech Open Access Publisher, Rijeka, Croatia. DOI: 10.5772/30004. Available from: <http://www.intechopen.com/books/latest-findings-in-intellectual-and-developmental-disabilities-research/the-freud-1-cc2d1a-family-multifunctional-regulators-implicated-in-mental-retardation>
10. Newman-Tancredi A, Albert, PR (2012) “Gene polymorphism at serotonin 5-HT1A receptors: moving towards personalized medicine for psychosis and mood deficits” in **Schizophrenia Research: Recent Advances**, Chapter 15, pp. 337-358. Ed., Tomiko Sumiyoshi, Nova Science Publisher, Inc. New York.
11. Albert PR, Benkelfat C, Descarries L (2012) The Neurobiology of Depression – Revisiting the Serotonin Hypothesis. I. Cellular and Molecular Mechanisms. Phil. Trans. Royal Soc. B 367, 2378-81.
12. Albert PR, Benkelfat C (2013) The neurobiology of depression--revisiting the serotonin hypothesis. II. Genetic, epigenetic and clinical studies. Philos Trans R Soc Lond B Biol Sci 368:20120535.
13. Fiori LM, Daigle M, Albert PR (2014) Genetic and epigenetic methods for analysis of the dopamine-D2 receptor gene in **Dopamine Receptor Technologies,** Ed. Mario Tiberi, **NEUROMETHODS,** Series Ed. Wolfgang Walz, Springer Protocols, Vol. 96, Chapter 1, pp. 3-12.

Reports:

1. Brief for the Periodic Appraisal of the Masters and Doctorate degrees in Neuroscience. Paul R. Albert, Director. Submitted to Graduate Program Evaluation Committee, FGPS, University of Ottawa, April 18, 2012. 329 pages.
2. Rapport d’évaluation. Programme en Sciences Neurologiques (M.Sc. et Ph.D.). Paul R. Albert (Chair), Philippe Sarret. Submitted to Université de Montréal, June 27, 2012. 19 pages.
3. Évaluation du Centre de recherche de l’Institut universitaire en santé mentale de Québec. Programme de subvention régulière des centres de recherche FRQS. Paul R. Albert (Chair), Louis-Eric Trudeau, Massimo Avoli. Submitted to FRQS, February 27, 2014. 9 pages.
4. Évaluation de l’Institut de pharmacologie de Sherbrooke. Denis DeBlois (Chair), Paul R. Albert, Anne Marinier. Submitted to Univ. De Sherbrooke June 27, 2017. 24 pages.

**MEETING ABSTRACTS**

1. Albert, P.R. and Tashjian, A.H., Jr. (1983) TRH and high K+ increase cytosolic free [Ca2+] in GH4C1 cells: direct measurement with Quin 2. Proc. 65th Ann. Endocrine Society Meetings, Abstr. 275, p. 149, San Antonio, TX.
2. Albert, P.R. and Tashjian, A.H., Jr. (1984) Pathways of TRH-induced changes in cytosolic free [Ca2+] and hormone secretion. 7th International Congress of Endocrinology, Abstr. 127, p. 324, Quebec City, Quebec.
3. Albert, P.R. (1985) Dual actions of phorbol esters on cytosolic free Ca++ concentrations and reconstitution with ionomycin of acute thyrotropin-releasing hormone responses. Proc. 67th Ann. Endocrine Society Meetings, Abstr. 739, p.185, Baltimore MD.
4. Tashjian, A.H., Jr. and Albert, P.R. (1985) Role of calcium in prolactin secretion regulated by thyrotropin-releasing hormone. Joint Meeting of British Endo. Soc., Oxford, UK.
5. Albert, P.R., Liston, D., and Herbert, E. (1987) Preferential secretion of proenkephalin by a regulated pathway in GH4C1 cell transfectants. Proc. 69th Ann. Endocrine Society Meetings, Abstr. 698, p.195, Indianopolis, IN.
6. Albert, P.R., Neve, K., Bunzow, J., and Civelli, O. (1989) Biological functions of the rat dopamine D2 receptor cDNA expressed in GH4C1 rat pituitary cells. Proc. 71st Ann. Endocrine Society Meetings, Seattle, WA, Abstract 1278, p. 342.
7. Civelli, O., Albert, P., Neve, K., Van Tol, H.H.M., Grandy, D., Salon, J., Machida, C., and Bunzow, J.R. (1989) Expression of a D2 dopamine receptor cDNA. Proc. 19th Ann. Soc. for Neuroscience Meetings, Phoenix, AR, Abstract 73.2, p. 170.
8. Janowsky, A., Henningsen, R.A., Albert,P.R., Depaulis, T., Kessler, R., and Neve, K.A. (1989) [125I]Epidepride, a high affinity dopamine D2 agonist. ibid, Abstract 170.7, p.424.
9. Albert, P.R., Zhou, Q.Y., Van Tol, H.H.M., Bunzow, J., Civelli, O. (1989) Cloning, mRNA distribution, functional expression of the rat serotonin-1A receptor gene. ibid, Abstract 274.1, p. 673.
10. Albert, P.R., and Saucier, C. (1990) Opposite actions of 5-HT1A receptor activation on [Ca++]i in pituitary and fibroblast cell lines. Proc. 72nd Ann. Endocrine Society Meetings, Atlanta, GA, Abstract 961, p. 265.
11. Liu, Y., and Albert, P.R. (1990) Identification of a novel signal transduction pathway of the 5-HT1A receptor in vitro. Society for Neuroscience Meeting, St. Louis, MO, Abstract 264.12, p. 630.
12. Abdel-Baset, H., Bozovic, V., Cuello, P., Szyf, M., and Albert, P.R. (1991) Stimulation of cytosolic calcium levels and DNA synthesis in fibroblasts by 5-HT1A receptors. EMBO Symposium 1991, "Molecular Mechanisms of Signal Transduction", Heidelberg, Germany.
13. Elsholtz, H.P., Lew, A.M., Albert, P.R., Elsholtz, V. (1991) Negative control of prolactin and Pit-1 gene promoters in GH4 cells by dopamine. Endocrine Society Meetings, Washington, DC.
14. Liu, Y.F., Civelli, O., and Albert, P.R. (1991) Multiple signal transduction pathways coupled to the human dopamine D1 receptor. ENA Congress, London, England.
15. Liu, Y.F., Civelli, O., and Albert, P.R. (1991) Differential modulation of dopamine receptor subtypes by protein kinases C and A. Society for Neuroscience, New Orleans, LA.
16. Albert, P.R., Saucier, C., Charest, A. (1991) Promoter activity of the serotonin-1A receptor gene. Society for Neuroscience, New Orleans, LA.
17. Albert, P.R., Abdel-Baset, H., Bozovic, V., and Szyf, M. (1991) Conditional oncogenesis mediated via a pertussis toxin-sensitive signalling pathway. 17th Annual EMBO Symposium, Heidelberg, Germany.
18. Liu, Y.F. and Albert, P.R. (1992) Receptor-specific coupling of G proteins to inhibition of cAMP accumulation. Cold Spring Harbor Symposium: The Cell Surface. Cold Spring Harbor, N.Y.
19. Liu, Y.F. and Albert, P.R. (1992) Mediation of the dopamine-D2 receptor-induced inhibitory Ca++ signal but not cAMP signal by Go. Catecholamines. Amsterdam.
20. Lembo, P. and Albert, P.R. (1992) Mutational analyses of serotonin 1A receptor desensitization. Victoria, B.C. Abstr. 273 p. 88.
21. Lembo, P., Quik, M., and Albert, P.R. (1992) Uncoupling of the rat serotonin1A receptor by a point mutation in the second cytoplasmic loop. Soc. for Neuroscience, Anaheim, CA. Abstr. 46.19, p. 93.
22. Albert, P.R., Raquidan, D., Jin, H., and O'Dowd, B.F. (1992) The cloned human serotonin-1B receptor induces pertussis toxin-sensitive calcium mobilization and adenylyl cyclase inhibition in fibroblast cells. Soc. for Neuroscience, Anaheim, CA. Abstr. 100.4, p. 211.
23. Charest, A., Wainer, B.H., and Albert, P.R. (1992) Cloning of the murine serotonin1A receptor cDNA and functional characterization in a septal cell line. Soc. for Neuroscience, Anaheim CA. Abstr. 100.9, p. 211.
24. Goetzl, E.J., Shames, R.S., Kishiyama, J.L., Liu, Y.F., Albert, P.R., Sreedharan, S.P. (1993) Specific inhibition of human leukocyte responses to chemotactic factors by antisense mRNA depletion of individual G proteins. AACR Annual Meeting, Orlando, FL. p.263A.
25. Kishiyama, J.L., Liu, Y.F., Albert, P.R., and Goetzl, E.J. (1993) Specific inhibition of human epithelial cell adenylyl cyclase responses to vasoactive intestinal peptide (VIP) by antisense mRNA suppression of G-proteins. ASBMB Annual Meeting, St. Louis, MO. FASEB J. 7, A1137.
26. Shames, R.S., Liu, Y.F., Albert, P.R., and Goetzl, E.J. (1993) Inhibition of leukocyte calcium and chemotactic responses to chemotactic factors (CFs) by antisense (As) suppression of Go proteins. ASBMB Annual Meeting, St. Louis, MO. FASEB J. 7: A1248.
27. Saucier, C., Storring, J.M., and Albert, P.R. (1993) Desensitization/resensitization of calcium responses by a serotonin 1C-like receptor in fibroblast cells. Endocrine Meetings, Las Vegas, NV.
28. Albert, P. R., Lembo, P., Storring, J., Liu, Y. F., Charest, A., Saucier, C., and Abdel-Baset, H. (1993) The 5-HT1A receptor: signalling, desensitization, and gene transcription. A. C. N. P. Ann. Meeting, Honolulu, Hawaii.
29. Lembo, P. and Albert, P.R. (1994) Serotonin1B receptors mediate a stimulatory calcium signal in opossum kidney (OK) cells: negative regulation by protein kinase C. IUPHAR Meeting, Montreal, Quebec. p.536.
30. Saucier, C. and Albert, P.R. (1994) Serotonin-induced down-regulation of endogenous 5-HT2A receptors in murine NIH-3T3 cells. IUPHAR Meeting, Montreal, Quebec. p. 536.
31. Storring, J.M., and Albert, P.R. (1994) Serotonin-induced cell death in differentiated SN-48 septal cells mediated by a pertussis toxin sensitive pathway. IUPHAR Meeting, Montreal, Quebec. p.452.
32. Albert, P.R. (1994) Are the long and short forms of the dopamine-D2 receptor functionally different? Dopamine-'94, IUPHAR Satellite Meeting, Quebec City.
33. Ghahremani, M.H. and Albert, P.R. (1995) The role of peturssis toxin-sensitive G proteins in transformation of Balb/c-3T3 cells. Second Annual Pharmacology Research Day, McGill University, Montreal, Quebec.
34. Lembo, P. and Albert, P.R. (1995) Cloning of opossum kidney cell receptor kinase: potential regulation in homologous desensitization. Second Annual Pharmacology Research Day, McGill University, Montreal, Quebec.
35. Saucier, C. and Albert, P.R. (1995) Desensitization/resensitization of calcium responses mediated by a serotonin 1C-like receptor in fibroblast cells. Second Annual Pharmacology Research Day, McGill University, Montreal, Quebec.
36. Albert, P.R. and Raquidan, D. (1995) Dopamine-D2 receptor routing through multiple G proteins for inhibition of TRH-stimulated prolactin secretion. Endocrine Society Mtg., Washington, D.C., #P1-3.
37. Albert, P.R. (1995) Dopamine-D2 receptors mediate inhbition of DNA synthesis in GH pituitary cells via Gi/Go proteins. Endocrine Soc. Mtg., Washington, D.C., #P3-93.
38. Anthony, T.E., Kheck, N.M., Albert, P.R., Whitaker-Azmitia, P.M., Azmitia, E. (1995) Molecular characterization of antipeptide antibodies against rat brain 5HT1A receptor. Soc. for Neuroscience Mtg., San Diego, CA.
39. Ghahremani, M. and Albert, P.R. (1995) Signalling pathways of the dopamine D2S receptor: dissection using pertussis toxin-insensitive G protein mutants. Soc. for Neuroscience Mtg., San Diego, CA.
40. Lembo, P. and Albert, P.R. (1995) Cloning of an opossum kidney cell receptor kinase: potential regulation in homologous desensitization. Soc. for Neuroscience Mtg., San Diego, CA.
41. Saucier, C. and Albert, P.R. (1995) NIH-3T3 cells endogenously express a serotonin2A receptor that does not induce cell growth. Soc. for Neuroscience Mtg., San Diego, CA.
42. Ghahremani, M. and Albert, P.R. (1995) Signalling pathways of the dopamine D2S receptor: dissection using pertussis toxin-insensitive G protein mutants. Pharmacology Research Day, McGill, Montreal.
43. E. Meller, K. Bohmaker, P. Albert, P. Falardeau and A. Zaremba. (1996) G proteinknockout: effects on D2 receptor coupling efficiency for dopamine inhibition of prolactin (PRL) secretion. Soc. for Neuroscience Mtg., Washington DC.
44. Morris, S.J., Kriz, R., Albert, P.R. (1996) Phospholipase C-2 expression switches inhibitory dopamine D2 receptor signalling to stimulation of calcium mobilization. Soc. for Neuroscience Mtg., Washington DC.
45. Storring, J.M., Charest, A., Albert, P.R. (1996) Identification of regulatory elements in the 5' flanking regionof the rat 5-HT1A receptor gene. Soc. for Neuroscience Mtg., Washington DC.
46. Storring, J.M., Charest, A., Albert, P.R. (1996) Identification of regulatory elements in the 5' flanking regionof hte rat 5-HT1A receptor gene. Can. Soc. Clin. Invest. Mtg., Halifax, CAN.
47. Ghahremani, M.H., Albert, P.R. (1996) Signalling pathways of the dopamine D2S receptor dissection using pertussis toxin-insensitive G protein mutants. Iranian Grad. Stud. Med. Sci. North Amer. Mtg., p. 36, Edmonton, Canada.
48. Albert, P.R, Morris, S.J., Ghahremani, M.H. and Lembo, P.M.C. (1997) Dopamine-D2 receptor coupling to calcium mobilization: mediation by G-Beta/Gamma-induced activation of phospholipase. Endocrine meeting, Minneapolis, June 1997.
49. Ghahremani, M.H., Lembo, P. and Albert, P.R. G Protein specificity of dopamine D2S receptor signalling in Ltk- cells: use of pertussis toxin G protein mutants. Endocrine Society meeting, Minneapolis, June 1997.
50. Saucier, C., Morris, S.J. and Albert, P.R. Endogenous serotonin-2A and 2C receptors in Balb/c-3T3 cells: agonist-induced Down-regulation and Role in Cell Proliferation. American Society for Neurochemistry meeting, July 1997.
51. Albert, P., Ghahremani, M. Constitutive activity of the 5-HT1A receptor: mediation by Gs, G 12 and G subunits. Society for Neuroscience, New Orleans, November 1997, Vol. 23, p. 289, #116.252.
52. Storring, J.M., Forget, C.M., Albert, P.R. Differential regulation of the 5-HT1A receptor by dexamethasone and 8-OH-DPAT in Pre- and post-synaptic neuronal cell models. Society for Neuroscience, New Orleans, November 1997, Vol. 23, p. 353, #143.9.
53. Ghahremani, M.H., Lembo, P.C.M., Forget, C.M., Albert, P.R. Dissection of Gi/o and G signalling pathways involved in modulation of cell growth by D2S receptor activation. Society for Neuroscience, New Orleans, November 1997, Vol. 23, p. 703, #278.12.
54. Kouassi, E., Paquette, A.M., Riad, M., Storring, J.M., Albert, P.R. Mitogenic regulation of T and B lymphocyte serotonin 1A receptor at the RNA and protein levels, FASEB 1998.
55. Ghahremani, M.H., Albert, P.R. Gi3 couples the D2S receptor to inhibition of cAMP, MAPK phosphorylation, and cellular transformation in BALB/C-3T3 cells. Society for Neuroscience, Los Angeles, November 1998.
56. Lemonde, S., Morris, S.J., Chaundy, K.E. and Albert, P.R. Glucocorticoid and REST-mediated repression of the human 5HT1A receptor gene. Society for Neuroscience, Los Angeles, November 1998.
57. Ou, X.M., Storring, J.M. and Albert, P.R. Identification of novel repressor elements that regulate 5-HT1A receptor gene transcription. Society for Neuroscience, Los Angeles, November 1998.
58. Morris, Stephen J. and Albert, P.R. Scanning mutagenesis of protein kinase C substrate and pseudosubstrate sites of the human dopamine-D2 receptors. Endocrine Society meeting, P2-365, p. 357, San Diego, June 1999.
59. Ou, X.M., Storring, J.M., Farahani, R. and Albert, P.R. A novel silencer element regulates rat 5-HT1A receptor gene expression in raphe cells. Society for Neuroscience, Miami, October, 1999.
60. Kouassi, E., Abdouh, M., Paquette, M., Riad, J., Storring, J.M., Albert, P.R., and Drobetsky, E. Mitogenic regulation of T and B lymphocyte serotonin 1A receptor RNA and protein. FASEB J. (Suppl.) 12: A763, #4425, 1998.
61. Morris, S.J. and Albert, P.R. Scanning mutagenesis of protein kinase C substrate and pseudosubstrate sites of the human dopamine-D2 receptors. Endocrine meeting, San Diego, June 1999.
62. Farahani, R., Ou, X.M., Ghahremani, M.H. and Albert, P.R. Identification of a murine gene product which interacts with promoter sequences of the gene encoding the 5-HT1A receptor. First Congress of Genetic Disorders and Disabilities in Iran. Tehran, Iran. May 1999.
63. Ou, X.M., Farahani, R., Storring, J.M. and Albert, P.R. A novel silencer element regulates rat 5-HT1A receptor gene expression in raphe cells. Society for Neuroscience, Miami; Vol 25: 1463, 1999; Abst. 586.5.
64. Derrane, R., Johnson, D., Fliss, H., MacManus, J., MacKenzie, A., Robertson, G., Albert, P. and Hutchinson, J. Apoptosis is accompanied by decreased procaspase-3 protein and neuronal apoptosis protein (NAIP) following traumatic brain injury (TBI) in the mouse. Society for Neuroscience, Miami; Vol 25: 820, 1999; Abst. 330.10.
65. Wu, X., Kushwaha, N., Albert, P.R., Penington, N.J. A point mutation in the i2 loop domain of 5-HT1A receptors uncouples agonist induced calcium channel but not adenylyl cyclase inhibition in F11 cells. Society for Neuroscience, Miami, October, 1999.
66. Albert, P.R. Determinants of G protein specificity in receptor signalling. Great Lakes GPCR Meeting 1: Pres. Abst. 16, 1999.
67. Ghahremani, M.H. and Albert, P.R. G protein subunit specificity in signalling to DNA synthesis, MAPKinase activation, and cellular transformation by dopamine D2S receptor activation in Balb/c-3T3 cells. Great Lakes GPCR Meeting 1: Poster Abst. 13, 1999.
68. Kushwaha, N. and Albert, P.R. Functional characterization of PKC-site mutant 5-HT1A receptors in neuronal cells. Great Lakes GPCR Meeting 1: Poster Abst. 14, 1999.
69. Albert, Paul R, Kushwaha, N., and Lembo, P.M.C. (2000) A Gbg coupling domain in the second intracellular loop of the 5-HT1A receptor. Amer. Soc. Neurochem., Chicago, J. Neurochem 74 (Suppl.): S55.
70. Albert, P.R., Xiao-Ming Ou, Hamed Jafar-Nejad, Mireille Daigle (2000) Novel dual repressor elements and associated binding protein for neuron-specific transcription of the 5-HT1A receptor gene. Molecular Neuroscience Gordon Research Conference, Hong Kong. June 4-9, 2000.
71. Albert, P.R. and Ghahremani, M.H. (2000) G protein subunit specificity in signalling to DNA synthesis, MAPKinase activation, and cellular transformation by dopamine D2S receptor activation in Balb/c-3T3 cells. FASEB Meeting: Receptors and Signal Transduction. Copper Mountain, CO. July 2-7, 2000.
72. Lemonde, S., Morris, S.J., Bakish, D., Du, L.,Hrdina, P.D., Kushwaha N., and Albert, P.R. Abrogated protein-DNA interactions at a C(-1019)G Polymorphism in the 5-HT1A Receptor Gene Promoter associated with Major Depression. Society for Neuroscience, New Orleans. Abst. 690.5 Vol. 26:1850, 2000.
73. Kushwaha, N., Chaundy, K., and Albert, P.R. Functional characterization of PKC-site mutant 5-HT1A receptors in neuronal cells. Society for Neuroscience, New Orleans. Abst. 47.10, Vol. 26: 120, 2000.
74. Ou, X.M., Storring, J.M., Kushwaha, N. and Albert, P.R. A novel negative response element for transrepression of the 5-HT1A receptor gene by mineralocorticoid /glucocorticoid receptor heterodimerization. Society for Neuroscience, New Orleans. Abst. 47.9, Vol. 26: 120, 2000.
75. Albert, P.R. and Ou, X.M. (2001) Mechanisms of transcriptional regulation of serotonin-1A receptor by glucocorticoids and mental illness. International Society for Psychoneuroendocrinol. Quebec City.
76. Albert, P.R. and Lemonde, S. (2001) Impaired repressor function of the C(-1019)G polymorphism in the 5-HT1A receptor gene associated with depression. 1st Annual Pharmacogenetics in Psychiatry Meeting. New York City, NY Sept. 21-22.
77. Albert, P.R., Lemonde, S., Morris, S.J., Bakish, D., Du, L.,Hrdina, P.D. A common polymorphism that impairs repression of the 5-HT1A receptor gene for susceptibility to mental illness and ischemia. 10th International Symposium, “The new frontiers of neurochemistry and biophysics on diagnosis and treatment of neurological disease” (Satellite of international society of neurochemistry). Firenze October 11-13, 2001.
78. Kushwaha, N. and Albert, P.R. (2001) Functional characterization of 5-HT1A receptors in raphe RN46A cells. 3rd Great Lakes GPCR Retreat, Bromont, Que. Abst. #27.
79. Mao H., Ghahremani, M.H., Daigle, M., Albert, P.R. (2001) RGS-17, a novel Gαo-interacting regulator of G protein signaling expressed in the limbic system. 3rd Great Lakes GPCR Retreat, Bromont, Que. Abst. #32.
80. Ghahremani, M.H., Mao H., Daigle, M., Albert, P.R. (2001) RGS-17, a novel Gαo-interacting regulator of G protein signaling expressed in the limbic system. Society for Neuroscience, San Diego. Abst. ; Vol. 27: 732.2
81. Kushwaha, N. and Albert, P.R. (2001) Regulation of cAMP, [Ca++]i, and MAPK by 5-HT1A receptors in raphe RN46A neuronal cells. Society for Neuroscience, San Diego. Abst. ; Vol. 27: 265.3 .
82. Lemonde, S., Ou, X.M., Albert, P.R. (2001) Freud-1 mRNA distribution in the rat brain correlates with 5-HT1A receptor expression. Society for Neuroscience, San Diego. Abst. ; Vol. 27: 380.6
83. Ou XM; Jafar-Nejad H; Albert PR (2001) Freud-1: A Novel Transcription Factor that mediates neuronal repression of the 5-HT1A receptor gene. Society for Neuroscience, San Diego. Abst. ; Vol. 27: 265.8
84. Rogaeva, A., Jafar-Nejad, H., Ou, X.M., Lemonde, S., Albert, P.R. (2002) A novel repressor in the dopamine D2 receptor gene. CIHR Student Poster Competition, Winnipeg, Manitoba.
85. Albert, PR (2002) Regulation of 5-HT1A receptor gene expression. 23rd Congress of the Collegium Internationale NeuroPsychopharmacologicum (CINP), Montreal, Quebec. Int J Neuropsychopharmacol 5:S36
86. Rogaeva, A., Jafar-Nejad, H., Ou, X.M., Lemonde, S., Albert, P.R. (2002) A novel repressor element in the dopamine-D2 receptor gene. CIHR Student Poster Competition, Winnipeg, Manitoba.
87. Rogaeva, A., Lemonde, S., Jafar-Nejad, H., Ou, X.M., Albert, P.R. (2002) Novel polymorphisms in the dopamine-D2 receptor gene. Canadian College of Neuropsychopharmacology 25th Anniversary Annual Meeting, Ottawa, Ontario, Canada.
88. Kushwaha, N., and Albert, P.R. (2002) Regulation of calcium and MAPK signaling by 5-HT1A mutant receptors in neuronal cells. Canadian College of Neuropsychopharmacology 25th Anniversary Annual Meeting, Ottawa, Ontario, Canada.
89. Lemonde, S. and Albert, P.R. (2002) Impaired repressor function of the C(-1019)G polymorphism in the 5-HT1A receptor gene associated with major depression. Canadian College of Neuropsychopharmacology 25th Anniversary Annual Meeting, Ottawa, Ontario, Canada.
90. Banihashemi, B. and Albert, P.R. (2002) Dopamine-D2S receptor inhibition of calcium influx, adenylyl cyclase and TRH-induced mitogen-activated protein kinase in pituitary cells: distinct Galpha-i and Gbeta-gamma requirements. Endocrine Society Meeting, San Francisco.
91. Liu, G.\*, Ghahremani, M.H., Banihashemi, B. and Albert, P.R. (2002) Growth hormone-induced diacylglycerol and ceramide formation via Gαi3 and Gβγ in GH4 pituitary cells: potentiation by dopamine-D2 receptor activation. Endocrine Society Meeting, San Francisco. \***MERCK TRAVEL AWARDEE**
92. Lemonde, S. and Albert, P.R. (2002) Repressor Elements for Cell-specific Expression of the Human 5-HT1A Gene. European Neuroscience Soc., Paris, France June, 2002.
93. Kushwaha, N. and Albert, P.R. (2002) Structure-function analysis of the second intracellular loop of the 5-HT1A receptor. 4th Great Lakes GPCR Meeting, Ann Arbor, MI.
94. Rogaeva, A., Goto, A., Jafar-Nejad, H., Lemonde, S., Albert, P.R. (2002) Repressor element with a novel polymorphism in the dopamine-D2 receptor gene. 4th Great Lakes GPCR Meeting, Ann Arbor, MI.
95. Mao, H., Goto, A., D. Chen, Chidiac, P., Daigle M., Ghahremani, M.H., Albert, P.R. (2002) Characterization of RGS17, a novel regulator of G protein signaling expressed primarily in the CNS. 4th Great Lakes GPCR Meeting, Ann Arbor, MI.
96. Lemonde, S., Bown, C.D., Albert, P.R. (2002) Subcellular localization and tissue distribution of Freud-1, a novel repressor of 5-HT1A gene expression. 4th Great Lakes GPCR Meeting, Ann Arbor, MI.
97. Rogaeva, A., Jafar-Nejad, H., Lemonde, S., Albert, P.R. (2002) A novel repressor and associated functional polymorphism of the dopamine D2 receptor gene. Society for Neuroscience, Orlando, FL. Abst. ; Vol. 28:
98. Lemonde, S., Bown, C.D., Albert, P.R. (2002) Subcellular localization and tissue distribution of Freud-1, a novel repressor of 5-HT1A gene expression. Society for Neuroscience, Orlando, FL. Abst. ; Vol. 28:
99. Schimmer, B.P., Al-Hakim, A., Rui, X., Tsao, J., Frigeri C. and Albert, P. (2003) Signal transduction in the adrenal cortex–insights from analysis of ACTH-resistant Y1 adrenal cell mutants. Molecular Steroidogenesis Conference, Bath Spa, England.
100. Mao, H., Daigle, M. and Albert, P.R. (2003) Cross-talk between Gαi3 protein and TNF pathways mediates cell transformation. Amer. Assoc. Cancer Res., Toronto, ON.
101. Rogaeva, A., Jafar-Nejad, H., Lemonde, S., Albert, P.R. (2003) A novel repressor and associated functional polymorphism of the dopamine D2 receptor gene. CIHR Poster Competition, Winnipeg MN. **GOLD PRIZE WINNER**
102. Rogaeva, A., Jafar-Nejad, H., Lemonde, S., Albert, P.R. (2003) A novel repressor and associated functional polymorphism of the dopamine D2 receptor gene. 25th annual symposium, Neurobiology of Severe Mental Disorders: From Cell to Bedside. Centre for Neuroscience Research, Université de Montréal. **AWARD WINNER.**
103. Albert, P.R., Banihashemi, B., and Liu, G. (2003) Dopamine-D2 receptors: novel aspects of signaling, regulation, and implications for schizophrenia. 25th annual symposium, Centre for Neuroscience Research, Université de Montréal.
104. Albert, P.R., Robillard, L., Banihashemi, B. (2003) Dopamine-D2 receptors: novel aspects of signaling, regulation and implications for schizophrenia. 2003 CCNP Annual Meeting, Montreal, PQ.
105. Banihashemi, B. and Albert, P.R. (2003) Dopamine-D2S and -D2L receptors signal oppositely to regulate TRH-induced MAPK activity in pituitary GH4 cells. Abstract P3-119. Endocrine Soc. Meeting, Philadelphia, PA.
106. Albert, P.R., Banihashemi, B. and Liu, G. (2003) G protein specificity of dopamine D2 receptor inhibition of lactotroph function. Endocrine Soc. Meeting, Philadelphia, PA.
107. Bown, C.D., Lemonde, S., Albert, P.R. (2003) Up-regulation of 5-HT1A receptor expression by chronic agonist treatment in primary rat hippocampal and cortical cultures. Society for Neuroscience, New Orleans, LA. Abst. 958.7
108. Czesak, M., Lemonde, S., Albert, P.R. (2003) HES-5 as a potential repressor of the 5-HT1A Receptor during development. Society for Neuroscience, New Orleans, LA. Abst. 672.3.
109. Kushwaha, N. and Albert, P.R. (2003) Structural determinants of 5-HT1A receptor/G protein coupling specificity. Society for Neuroscience, New Orleans, LA. Abst. 362.9.
110. Rogeava, A. and Albert, P.R. (2003) Histone deacetylase-independent repression at a polymorphic element in the dopamine-D2 receptor gene. Society for Neuroscience, New Orleans, LA. Abst. 753.12
111. Hadjighasem, M., Lemonde, S., and Albert, P.R. (2003) Human Freud-1 and Freud-2: novel repressors of the 5-HT1A receptor gene. 2003 World Congress of Psychogenetics, Quebec City, PQ.
112. Albert, P.R. (2003) Decoding receptor-G protein-effector specificity. IBC 8th International G protein-coupled receptors. Boston, MA.
113. Kushwaha, N. and Albert, P.R. (2003) Structural determinants of 5-HT1A receptor/G protein coupling specificity. Bionorth Meeting, Ottawa, ON.
114. Rogaeva, A. and Albert, P.R. (2003) Histone deacetylase-independent repression at a polymorphic element in the dopamine-D2 receptor gene. Bionorth Meeting. Ottawa, ON **GOLD PRIZE**
115. Albert, P.R., Banihashemi, B., Liu, G. (2004) G protein specificity in prolactin and growth hormone regulation. 2004 Prolactin Gordon Conference. Ventura, CA.
116. Albert, P.R. (2004) A functional promoter polymorphism of the 5-HT1A receptor gene: association with depression and completed suicide. Biol. Psych. 55(8S): 46S (#160).
117. Albert, P.R., Lemonde, S., Bakish, D., Du, L. , Hrdina, P. (2004) The C(-1019)G 5-HT1A functional polymorphism: association with depression, suicide and antidepressant response. CCNP Meeting, Kingston ON.
118. Hadjighasem, M., Lemonde, S., and Albert, P.R. (2004) Human Freud-1 and Freud-2: novel repressors of the 5-HT1A receptor gene. CIHR Poster Competition, Winnipeg MN. **AWARD WINNER**
119. Albert, P.R., Lemonde, S., Czesak, M., and Peterson, E. (2004) Gene regulation at the C(-1019)G serotonin1A receptor promoter polymorphism and its association with major depression and suicide. ACNP Annual Meeting, San Juan, Puerto Rico. Neuropsychopharmacol. 29: S37-S38.
120. Czesak, M., Lemonde, S., Albert, P.R. (2004) Opposite regulation of pre- and post-synaptic 5-HT1A receptor gene transcription by NUDR/Deaf-1. Society for Neuroscience, San Diego, CA. http://sfn.scholarone.com/, No. 571.8.
121. Jacobsen, K.X., Czesak, M., Albert, P.R. (2004) Coordinate regulation of serotonin 1A receptor transcription by bHLH proteins Hes1, Hes5 and Hes6. Society for Neuroscience, San Diego, CA. http://sfn.scholarone.com/, No. 35.12.
122. Rogaeva, A., Galaraga, K., Albert, P.R. (2004) Domain characterization of human Freud-1, a novel repressor of the 5-HT1A receptor gene. Great Lakes GPCR Meeting, Bromont, Quebec.
123. Wilson, A.M., Mao, H., Albert, P. R. (2004) Effect of TNF-IP, a Gi3 interacting protein, on D2S receptor signalling in Balb/c 3T3 cells. Great Lakes GPCR Meeting, Bromont, Quebec.
124. Jacobsen, K.X., Czesak, M., Albert, P.R. (2004) Coordinate regulation of serotonin 1A receptor transcription by bHLH proteins Hes1, Hes5 and Hes6. Great Lakes GPCR Meeting, Bromont, Quebec.
125. Kushwaha, N., Wilson, A. M., Daigle, M. Albert, P.R. (2004) Interacting proteins of the second intracellular loop (i2) of the 5-HT1A receptor. Great Lakes GPCR Meeting, Bromont, Quebec.
126. \*Hadjighasem, M., Lemonde, S., and Albert, P.R. (2005) Freud-2: a novel repressor of the 5-HT1A receptor gene. CCNP Annual Meeting, July, St. John, NF **\*TRAVEL AWARDEE**
127. Burns, A.M., Bethea, C.L., Rogaev, E.I., Albert, P.R. (2005) Variation of the C(-1019)G 5-HT1A receptor polymorphic element in schizophrenia and in primate species. Society for Neuroscience, Washington, D.C.. Abst. ; Vol. 31:
128. Rogaeva, A., Galaraga, K., Albert, P.R. (2005) Mechanism of calcium-sensitive regulation of serotonin-1A receptor gene expression by a novel repressor, human Freud-1 (long isoform). Society for Neuroscience, Washington, D.C.. Abst. ; Vol. 31:
129. Wilson, A.M., Mao, H., Albert, P. R. (2005) TNF-IP, a Gi3 interacting death effector domain protein, inhibits G-protein coupling to MAPK and calcium signaling. Society for Neuroscience, Washington, D.C.. Abst. ; Vol. 31:
130. Remes-Lenicov, F., Albert, P.R. (2005) Calcium-dependent induction of neuronal tryptophan hydroxylase (TPH2) transcription and inhibition by 5-HT1A autoreceptor activation. Society for Neuroscience, Washington, D.C.. Abst. ; Vol. 31:
131. Jacobsen, K.X., Czesak, M., Albert, P.R. (2005) Combined actions of Hes1, Hes5, Hes6 and NUDR on serotonin 1A receptor transcriptional regulation at a functional polymorphism. Society for Neuroscience, Washington, D.C.. Abst. ; Vol. 31:
132. Czesak, M., Lemonde, S., Albert, P.R. (2005) Transcriptional regulation at a functional polymorphism of the 5-HT1A gene by Deaf-1/NUDR is cell type-dependent and trichostatin A-sensitive. Society for Neuroscience, Washington, D.C.. Abst. ; Vol. 31:
133. Kushwaha, N., Bermack, J. and Albert, P.R. (2005) Molecular determinants in the second intracellular loop of the 5-HT1A receptor for G-protein coupling. Society for Neuroscience, Washington, D.C.. Abst. ; Vol. 31:
134. Albert, P.R. and Lemonde, S. (2006) Association of the 5-HT1A C(-1019)G functional promoter polymorphism with affective disease and response to antidepressants. Int. Soc. of Affective Disorders Meeting, Lisbon, Portugal. J. Affective Disorders, March 2006, Volume 91, Supplement.
135. Kushwaha, N., Harwood, S.C., Wilson, A. and Albert, P.R. (2006) Specific residues of the 5-HT1A receptor second and third intracellular domain C-terminal determine G[beta][gamma] or G[alpha]i coupling specificity, respectively. ASBMB Annual Meeting, San Francisco. April 1-5. *FASEB J.* 2006 20:A918
136. Albert, Paul R. (2006) Altered regulation of the 5-HT1A receptor gene at the C(-1019)G polymorphism: association with reduced response to antidepressants. Soc. for Biol. Psych., Toronto. May 18-20.
137. Szewczyk, B., Iyo, A.H., Harris, T., Czesak, M., Albert, P.R., Rajkowska, G., Stockmeier, C., Austin, M.C. (2006) Decreased level of NUDR in the prefrontal cortex of female subjects with major depression. Soc. for Biol. Psych., Toronto. May 18-20.
138. Itzhaki Van-Ham, I., Banihashemi, B., Wilson, A.M., Jacobsen, K.X., Czesak, M. and Albert, P.R. (2006) Differential signaling of dopamine-D2S and -D2L receptors to inhibit ERK1/2 phosphorylation. Endo06: 88th Annual Endocrine Society Meeting, Boston MA Abstr. P3-177.
139. Czesak, M., Burns, A., Remes-Lenicov, F., Albert, P.R. (2006) Characterization of rat rostral raphe primary cultures: A model for examining pre-synaptic serotonergic neurons.Int. Soc. Devel. Neurosci. Meeting, Banff, AB. Int. J. Dev. Neurosci. 24(8): 548-9.
140. Remes-Lenicov, F. and Albert, P.R. (2006) Neuron-specific calcium-dependent induction of tryptophan hydroxylase-2 (TPH2) transcription.Int. Soc. Devel. Neurosci. Meeting, Banff, AB. Int. J. Dev. Neurosci. 24(8): 548.
141. Rogaeva, A. and Albert, P.R. (2006) Promoter recognition and repression of serotonin-1A and dopamine-D2 genes by Freud-1/CC2D1A, a novel gene linked to mental retardation. Int. Soc. Devel. Neurosci. Meeting, Banff, AB. Int. J. Dev. Neurosci. 24(8): 547-8.
142. Jacobsen, K.X. and Albert, P.R. (2006) Coordinated actions of Hes1, Hes5, Hes6 and NUDR on 5-HT1A transcription at a functional polymorphism. Int. Soc. Devel. Neurosci. Meeting, Banff, AB. Int. J. Dev. Neurosci. 24(8): 547.
143. Czesak, M., Remes-Lenicov, F., Burns, A., Albert, P.R. (2006) Characterization of multiplex gene expression in raphe primary cultures optimized for serotonergic cells.Society for Neuroscience, Washington, D.C.. Abst.
144. Roy, P., Boyer, P., Hunt, J., Albert, P. R. (2007) Association study of novel functional polymorphisms of the D2DR gene with schizophrenia. Int. Congress on Schizophrenia Research, Colorado Springs, CO. 3/07
145. \*Nafisi, H., Banihashemi, B. and Albert, P.R. (2007) RasGAP3 mediates G alpha i3-induced inhibition of Mitogen-Activated Protein Kinase in pituitary cells, Endocrine Society Annual Meeting, June 2-5, Toronto. \***TRAVEL AWARDEE**
146. Nafisi, H., Banihashemi, B. and Albert, P.R. (2007) G alpha i3-induced inhibition of Mitogen-Activated Protein Kinase in pituitary cells: Identification RasGAP3 as a potential target for growth inhibition. Keystone Symposium: Molecular Targets for Cancer. March 18 – 23, Whistler, B.C.
147. \*Hadjighassem, M. and Albert, P.R. (2007) Freud-2/CC2D1B: a novel repressor of post-synaptic 5-HT1A receptor expression. CCNP Annual Meeting, Banff, AB June15-18, 2007. \***Jock Cleghorn Prize**
148. \*Urben, J., Kushwaha, N., Albert, P.R. (2007) Protein phosphatase 2A interaction with the serotonin-1A receptor. Great Lakes GPCR Retreat, London ON, Sept. 27-9. \***Canadian Pharmacological Society Prize**.
149. Laliberte, B., Caron, A., Wilson, A.M., Daigle, M., Mao, H. (2007) TNFAIP8 mediates Gi-induced transformation of murine fibroblast through inhibition of the extrinsic death pathway. Great Lakes GPCR Retreat, London ON, Sept. 27-9.
150. Nafisi, H., Banihashemi, B. and Albert, P.R. (2007) GAP1IP4BP/RASA3 mediates G alpha i3-induced inhibition of mitogen-activated protein kinase in pituitary cells. Great Lakes GPCR Retreat, London ON, Sept. 27-9. J. Rec. Signal Transd. 28:142-3, 2008
151. Czesak, M., Mosher T., Visvader, J., Albert, P.R. (2007) Downregulation of cortical 5-HT1A receptor gene expression in Deaf-1/NUDR knockout mice. Society for Neuroscience, San Diego, CA. Abst. 799.17
152. **Mosher, T.M., Daigle, M., Shively, C.A., Willard, S.L., Albert, P.R. (2007)** Association of 5-HT1A receptor promoter polymorphisms with depressive behavior in Cynomolgus monkeys (Macaca Fascicularis). Society for Neuroscience, San Diego, CA. Abst. 465.4
153. Austin, M.C., Szewczyk, B., Harris, T., Albert, P.R., Czesak, M., Konick, L., Dieter, L., Herbst, N., Overholser, J.C., Jurjus, G., Rajkowska, G., Stockmeier, C.A., (2007) Decreased protein expression of the 5-HT1A transcription factor NUDR, and 5-HT1A receptors in the prefrontal cortex of females with major depressive disorder. Society for Neuroscience, San Diego, CA. Abst. 707.13
154. Szewczyk, B., Harris, T., Albert, P.R., Rogaeva, A., Konick, L., Dieter, L., Herbst, N., Overholser, J.C., Jurjus, G., Stockmeier, C.A., Austin, M.C. (2007) Decreased level of Freud-1 protein in prefrontal cortex of subjects with major depression. Society for Neuroscience, San Diego, CA. Abst. 707.13
155. \*Czesak, M., Lu, J., Mosher, T.M., Burns, A.M., Stockmeier, C.A., Austin, M.C., Overholser, J., Jurjus, G., Meltzer, H.Y., Albert, P.R. (2008) DNA methylation at 5-HT1A receptor promoter C(-1019)G polymorphism CpG sites in schizophrenia and depression. ISAD Meeting, March, 13, Cape Town, South Africa. **\*TRAVEL AWARDEE; Johnson&Johnson Best Poster (Runner-up**). J. Affect. Dis.,Volume 107, Supplement 1, Page S74. DOI: <http://dx.doi.org/10.1016/j.jad.2007.12.049>
156. Nafisi, H., Banihashemi, B. and Albert, P.R. (2008) Specific role of the Ras and Rap GTPase activating protein RASA3 in G-protein mediated inhibition of mitogen-activated protein kinase activity in lactotroph cells. Endocrine Society Annual Meeting, June 14-18, San Francisco, CA.
157. Albert, P.R., Lu, J., Czesak, M., Le François, B., Stockmeier, C.A., Austin, M.C., Jurjus, G., Overholser, J., Meltzer, H.Y. (2008) DNA methylation of 5-HT1A receptor gene polymorphism C(-1019) in schiophrenia prefrontal cortex increase its transcription. CCNP Annual Meeting, Toronto, ON June 4-6.
158. Lu, J. Le François, B., Burns, A.M., Stockmeier, C.A., Austin, M.C., Overholser, J.C., Jurjus, G., Meltzer, H.Y., Albert, P.R. (2008) Increased DNA methylation of the 5-HT1A receptor promoter in suicide brain. CINP 50th Meeting, July 14-17, Munich, Germany. Int. J. Neuropsychopharmacol 11 (Suppl. 1): p. 105, P-01.34
159. Albert, P.R. (2008) Transcriptional regulators and functional polymorphisms in the 5-HT1A receptor gene: implications in mental illness. Serotonin Club Meeting, Oxford, UK. Fund. Clin. Pharmacol. 22Suppl2: 110.
160. Albert, P.R. (2008) Genetic and functional analysis of the C(-1019)G 5-HT1A promoter polymorphism. ACNP Meeting, Scottsdale, AZ.
161. Yip, L., Creusot, R.J., Sheng, D., Chang, P., Czesak, M., Albert, P.R., Collier, A., Turley, S.J., Fathman, C.G., and Su, L. (2009) Deaf1 isoforms control changes in peripheral tissue antigen gene expression in the non-obese diabetic mouse pancreatic lymph node during Type I diabetes pathogenesis. FOCIS2009, June 11-14, San Francisco, CA
162. Abiye H. Iyo1, Niamh Kieran1, Agata Chandran1, Federico R. Lenicov, Paul R. Albert2, Ivy Wicks1, Garth Bissette1, and Mark C. Austin1 (2009) Chronic restraint stress down-regulates Freud-1 but not NUDR in the rat prefrontal cortex. Soc. for Biol. Psychiatry, Vancouver, BC
163. Power, A.J., Albert, P.R., and LeFrançois, B. (2009) Epigenetic regulation of the 5-HT1A receptor. Young Researchers Forum, April 3, IMHR, Ottawa.
164. Souslova, T. and Albert, P.R. (2009) The mental retardation gene Freud-1/CC2D1A is a transcription repressor that recruits Sin3A and BRG1 complexes. Abst. 636.9, Society for Neuroscience, Chicago, IL.
165. Albert, P.R., Galaraga, K., Rogaeva, A. (2009) Calcium/calmodulin-dependent protein kinase IV phosphorylation of Freud-1/CC2D1A de-represses the 5-HT1A receptor gene. Abst. 131.5, Society for Neuroscience, Chicago, IL.
166. Millar, A., Souslova, T. and Albert, P.R. (2009) Mutational dissection of Freud-1/CC2D1A, a multi-functional protein implicated in mental retardation. Abst. 636.8, Society for Neuroscience, Chicago, IL.
167. Le François, B., Czesak, M., Lu, J., Austin, M.C., Stockmeier, C.A., Jurjus, G., Overholser, J., Meltzer, H.Y., Albert, P.R. (2009) DNA methylation of the 5-HT1A receptor C(-1019) promoter polymorphism in schizophrenia prefrontal cortex increases its transcription. Abst. 745.7, Society for Neuroscience, Chicago, IL.
168. Wong A, Herrmann N, Black SE, Tennen G, Gladstone DJ, Sneiderman A, Gao F, Aviv R, Albert PR, Lanctôt KR. (2010) Activation of indoleamine 2,3-dioxygenase in post-stroke depression patients. Canadian Neurological Meeting, Quebec City, QC.
169. Johnson, S., Grunewald, M., Johnson, C., Stockmeier, C.A., Miczek, K.A., Albert, P.R., Paul, I., Austin, M.C., Wang, J., Sittman, D. and Ou, X.-M. (2010) The MAO A transcriptional repressor, R1, is decreased in human major depressive disorder (MDD) and in chronic social stress in rodents. Soc. Biol. Psychiatry, May 20-22, New Orleans, LA. Biol. Psych. 67(Suppl): 470.
170. Souslova, T., Albert, P.R. (2010) The mental retardation gene Freud-1/CC2D1A represses 5-HT1A receptor gene by recruiting Sin3A and BRG1 complexes. Canadian Neuroscience Meeting, May 15-17, Ottawa, ON.
171. Ma, X., Nafisi, H., and Albert, P.R. (2010) RASA3, a Ras-GTPase activating protein, is necessary for coupling of the dopamine D2S receptor to inhibition of MAPK activation. Canadian Neuroscience Meeting, May 15-17, Ottawa, ON.
172. Le François, B., Czesak, M., Lu, J., Austin, M.C., Stockmeier, C.A., Jurjus, G., Overholser, J., Meltzer, H.Y., Albert, P.R. (2010) DNA methylation of the 5-HT1A receptor C(-1019) promoter polymorphism in schizophrenia prefrontal cortex increases its transcription. Canadian Neuroscience Meeting, May 15-17, Ottawa, ON.
173. Millar, A., Souslova, T., Albert, P.R. (2010) Mutational dissection of Freud-1/CC2D1A, a multi-functional protein implicated in mental retardation. Canadian Neuroscience Meeting, May 15-17, Ottawa, ON.
174. Zhou, Y.Y., Daigle, M., and Albert, P.R. (2010) Use of bioluminescence resonance energy transfer to monitor the effect of uncoupling mutations on 5-hydroxytryptamine 1A receptor-G protein interaction. Canadian Neuroscience Meeting, May 15-17, Ottawa, ON.
175. Johnson S, Grunewald M, Johnson C, Stockmeier CA, Miczek KA, Albert PR, Paul I, Austin MC, Wang J, Sittman D and Ou X (2010) The MAO-A transcriptional repressor, R1, is decreased in human major depressive disorder (MDD) and in chronic social stress in rodents. Annual Meeting of Society of Biological Psychiatry, New Orleans, LA.
176. Gold A, Herrmann N, Swardfager W, Albert PR, Saleem M, Daigle M, Oh PI, Lanctôt KL (2010) TNF-α predicts memory change in coronary artery disease subjects: involvement of the 5-HT1A receptor? Society for Neuroscience, San Diego, CA.
177. Swardfager W, Herrmann N, Albert PR, Saleem M, Walker SE, Daigle M, Oh PI, Lanctôt KL (2010) Indoleamine 2,3-dioxygenase activity is associated with lower serum BDNF concentrations in subjects with coronary artery disease. Society for Neuroscience, San Diego, CA.
178. Zhang X, Nicholls PJ, Laje G, Sotnikova TD, Gainetdinov RR, Albert PR, Rajkowska G, Stockmeier CA, Steffens DC, Austin MC, McMahon FJ, Krishnan RR, Garcia-Blanco MA, Caron MG (2010) A functional alternative splicing mutation in human tryptophan hydroxylase-2. Society for Neuroscience, San Diego, CA.
179. Wong A, Herrmann, N, Black SE, Tennen G, Gladstone D, Gao F, Aviv R, Snaiderman A, Albert P, Lanctôt K. Activation of Indoleamine 2,3-Dioxygenase in Post-stroke Depression Patients. Presented at the 1st Canadian Stroke Congress. Stroke. July 2010; 41(7):e504.
180. Le François, B., Czesak, M., Lu, J., Austin, M.C., Stockmeier, C.A., Jurjus, G., Overholser, J., Meltzer, H.Y., Albert, P.R. (2010) DNA methylation of the 5-HT1A receptor C(-1019) promoter polymorphism in schizophrenia prefrontal cortex increases its transcription. Serotonin Club 2010, July 9-11, Montreal, Quebec.
181. Millar, A., Souslova, T., Albert, P.R. (2010) Mutational dissection of Freud-1/CC2D1A, a multi-functional protein implicated in mental retardation. Serotonin Club 2010, July 9-11, Montreal, Quebec.
182. Albert, P.R. (2010) Genetic and epigenetic regulation of the 5-HT1A receptor: Implications for major depression, schizophrenia and suicide. Serotonin Club 2010, July 9-11, Montreal, Quebec.
183. Albert, P.R. (2010) Transcriptional dys-regulation of the 5-HT1A autoreceptor in mental illness. Great Lakes GPCR Meeting, October 21-23, King City, Ontario.
184. Le François, B.\*, Czesak, M.\*, Millar, A.M., Deria, M., Daigle, M., Visvader, J.E., Anisman, H., Albert, P.R. (2011) Altered transcriptional regulation of 5-HT1A receptors by Deaf-1 *in vivo:* increase in autoreceptor levels and decrease in 5-HT levels. THE NEUROBIOLOGY OF DEPRESSION: Revisiting the Serotonin Hypothesis, 33rd International Symposium of the GRSNC, U. de Montréal, Quebec. May 2-3.
185. Zhang X, Nicholls PJ, Laje G, Sotnikova TD, Gainetdinov RR, Albert PR, Rajkowska G, Stockmeier CA, Speer MC, Steffens DC, Austin MC, McMahon FJ, Krishnan RR, Garcia-Blanco MA, Caron MG (2010) A functional alternative splicing mutation in human tryptophan hydroxylase-2. The 16th Biennial Winter Workshop in Psychoses, 30 January to 2 February 2011 Innsbruck, Austria. International Clinical Psychopharmacology 26:e154 · September 2011 DOI: 10.1097/01.yic.0000405901.80483.0b
186. Millar, A., Souslova, T., Albert, P.R. (2011) Functional domain analysis of Freud-1/CC2D1A, a multi-functional protein implicated in mental retardation. THE NEUROBIOLOGY OF DEPRESSION: Revisiting the Serotonin Hypothesis, 33rd International Symposium of the GRSNC, U. de Montréal, Quebec. May 2-3.
187. Ou, X.M., Johnson, S., Luo, J., Urrutia, R., Udemgba, C., Albert, P.R., Stockmeier, C.A., Sittman, D.B. (2011) The role of a genetic variant of TIEG2 (KLF11) in ethanol-induced monoamine oxidase B expression. NIDA and NIAAA Genetics Satellite Miniconvention to World Congress on Psychiatric Genetics, Sept. 9, 2011; Washington, DC
188. Rubinow MJ, Mahajan G, May W, Overholser JC, Jurjus GJ, Dieter L, Herbst N, Albert PR, Daigle M, Miguel-Hidalgo JJ, Rajkowska G, Stockmeier CA (2011) Influence of HTR1A promoter polymorphism and major depressive disorder on amygdala volume and cellular makeup: a postmortem stereological study. ACNP, Dec. 3-8, Waikoloa, Hawaii.
189. Duncan JW, Wang J, Stockmeier CA, Meyer JH, Albert PR, Johnson S, Paul IA, Ou XM. (2012) Chronic social stress decreases the protein expression of R1, a transcriptional repressor of MAO A, in the prefrontal cortex of rats. Biological Psychiatry 71:163S. May 5-6, Philadelphia, PA.
190. Rubinow MJ, Mahajan G, May W, Overholser JC, Jurjus GJ, Dieter L, Herbst N, Albert PR, Daigle M, Miguel-Hidalgo JJ, Rajkowska G, Stockmeier CA (2011) Influence of major depressive disorder on basolateral amygdala volue and celll numbers: a post-mortem stereological study. Society for Biological Psychiatry, May, Philadelphia, PA.
191. Albert PR, LeFrançois B, Millar AM, Czesak, M (2012) Gènes de sérotonine et la dépression: le dérèglement de la récepteur sérotonine-1A dans la dépression. ACFAS Meeting May 9-10. Montréal, QC
192. \*Millar AM , \*Mériden K, Albert PR (2012) Analyse fonctionnelle de CC2D1A/Freud-1, un régulateur de la transcription du récepteur 5-HT1A.ACFAS Meeting May 9-10. Montréal, QC.\*equal contribution
193. Albert PR (2012) Chair, Presidential symposium. Mental Illness: New Understanding, New Treatments. CCNP Annual Meeting 2012, May 23-6. Vancouver, BC
194. Albert PR, LeFrançois B, Millar AM, Czesak, M (2012) Transcription dysregulation of 5-HT1A receptors in psychiatric disorders. 25th ECNP Congress, 13-17 October, Vienna, Austria. Eur. Neuropsychopharm Volume 22, Supplement 2, Pages S127-8, S.11.01 (October 2012)
195. Swilley SL, Johnson S, Udemgba C, Albert PR, Luo J, Sittman D and Ou XM (2012) Ethanol Increases KLF11 (TIEG2) Promoter Activity in SH-SY5Y Cells. Oct. 13-17. Society for Neuroscience, New Orleans LA.
196. Donaldson ZR, Le Francois B, Santos T, Stockmeier CA, Boldrini M, Arango V, Albert PR, Hen R (2012) The functional G(-1019)C polymorphism, rs6295, is associated with modest transcriptional imbalance of 5-HT1A mRNA. Oct. 13-17. Society for Neuroscience, New Orleans LA.
197. Luderman K, Javitch J, Albert PR, Gnegy MR (2013) Protein Kinase C  and the Dopamine Transporter Regulate Surface D2-Like Dopamine Receptor Localization. Dopamine 2013, May 24-8, Alghero, Italy
198. Albert PR (2013) Genetic and epigenetic alterations in serotonin-1A receptors in human depression and suicide subtypes. Int. Association of Suicide Research 2013 World Congress. June 11, Montreal, Quebec.
199. \*Luckhart C, \*Philippe TJ, Le François B and Albert PR (2013) The role of Deaf1 in serotonin 1A autoreceptor expression in vivo. CCNP Annual Meeting 2013, May 29-June 1, Toronto ON. \*Co-first authors
200. Harris SS, Johnson S, Udemgba C, Albert PR, Luo J, Sittman D and Ou XM (2013) Ethanol induced activation of the human KLF11 (TIEG2) promoter. Oct. 13-17. 36th Annual Scientific Meeting of the Research-Society-on-Alcoholism, Orlando FL.
201. Albert PR (2014) Developmental dys-regulation of the serotonin system in determining anxiety and depression phenotype. World Congress on Brain, Behavior and Emotions, April 7-10, Montreal, QC.
202. Vahid-Ansari F, Lagace D, Albert PR (2014) A new preclinical model of post-stroke depression using endothelin-1-induced focal ischemia in the mouse medial prefrontal cortex. Advances in Stroke Recovery, June 9-10, Ottawa ON.
203. Vahid-Ansari F, Daigle M, Manzini MC, Walsh CA, Albert PR (2014) Raphe-specific Freud-1 knockout in adulthood induces 5-HT1A autoreceptor overexpression leading to depression/anxiety phenotype. CCNP Annual Meeting 2014, June 18-21. Banff, AB.
204. Albert PR (2014) Genetic mechanisms for long-term alterations in serotonin in depression. 29th CINP World Congress, June 22-6, Vancouver, BC.
205. Albert PR, Le François B, Soo J, Millar AM, Le Guisquet AM, Leman S, Minier F, Belzung C (2014) Chronic mild stress and antidepressant treatment alter 5-HT1A receptor DNA methylation of a conserved SP4 site. 29th CINP World Congress, June 22-6, Vancouver, BC.
206. Donaldson ZR, Le Francois B, Santos T, Boldrini M, Arango V, Stockmeier CA, Ressler, KJ, Albert PR, Hen R (2014) The functional serotonin 1a receptor promoter polymorphism, rs6295, is associated with psychiatric illness and differences in transcription. Society for Neuroscience, Washington DC
207. Swardfager W, Andreazza A, Ramirez JE, Scola G, Lanctôt KL, Herrmann N, Scott CJ, Chan PC, Sahlas DJ, Albert PR, Black SE (2014) Neuropsychological and multi-analyte serum profiling of subcortical ischemic vascular disease in Alzheimer’s disease and healthy elderly. Advances in Stroke Recovery, June 9-10, Ottawa ON.
208. Albert PR, Hupe G, Geddes S, Beique JC (2015) Optogenetic targeting of serotonin neurons to study anxiety and depression. Symposium: "Probing the link between brain and behavior with optogenetics". Canadian Society for Brain, Behaviour and Cognitive Science 25th Annual Meeting, June 5-7, Carleton University, Ottawa ON. Can J Exper Psychol 69(4): 344, Published: Dec 2015
209. Vahid-Ansari F, Lagace DC, Albert PR (2015) Post-stroke depression in a new focal ischemic mouse model is reversed by chronic fluoxetine treatment and involves brain region-specific FosB induction. CCNP Annual Meeting 2015. June 9-12, Ottawa ON.
210. Hupe G, Geddes S, Vahid-Ansari F, Daigle M, Lagace DC, Beique JC, Albert PR (2015) *In vivo* Optogenetics to examine the role of the Serotonin System in Depression. CCNP Annual Meeting 2015. June 9-12, Ottawa ON.
211. Philippe TJ, Le Francois B, Donaldson ZR, Hen R, Albert PR (2015) Effects of Deaf1 and MeCP2 on HTR1A promoter regulation. CCNP Annual Meeting 2015. June 9-12, Ottawa ON.
212. Cardin V, Albert PR (2015) The role of 5-HT1A autoreceptor in response to antidepressant treatment. CCNP Annual Meeting 2015. June 9-12, Ottawa ON.
213. Albert PR (2015) Transcriptional regulation of dopamine-D2 receptors in schizophrenia. CCNP Annual Meeting 2015. June 9-12, Ottawa ON.
214. Vahid-Ansari F, Lagace DC, Albert PR (2015) Post-stroke depression and anxiety in a new focal ischemic mouse model is reversed by combined treatment which activates depression/anxiety circuitry. International Journal of Stroke Vol. 10 Issue S4, Special Issue: Canadian Stroke Conference, 2015, Toronto, 17 September 2015, Page 27, HP4.5.
215. Albert PR, Le François B, Philippe, TJ (2015) Deaf1-MeCP2 interaction mediates of genotype- and methylation-dependent transcription of 5-HT1A receptor. Janelia Conference: Behavioral Epigenetics: Conserved Mechanisms in Diverse Model Systems. September 20-23, Janelia Research Campus, Ashburn, VA.
216. Albert PR (2015) Transcriptional Integration of Genotype-Environment Interactions at the HTR1A Gene. International Association for Suicide Research Meeting, October 11-14, New York City, NY.
217. Szewczyk B, Stachowicz K, Nowak G, Daigle M, Luckhart C, Cardin V, Hen R, Tanaka KF, Albert PR (2015) Effects of zinc treatment on the 5-HT1A receptor function: behavioural responses. 27th ECNP Congress, p.1.b.017, Aug. 29-Sept. 1, Amsterdam, the Netherlands.
218. Albert PR (2016) Reversal of adult stress-induced DNA methylation by chronic antidepressant treatment: a pathway to behavioral recovery. CCNP/CDRIN Joint Meeting, June 14-18, Halifax, NS.
219. Albert PR (2016) In vivo roles of serotonin-1A receptor regulation in depression and anxiety phenotypes. Great Lakes GPCR Retreat, October 14-16, Chicago IL
220. Harkin E and Albert PR (2016) Transcriptional regulation of the serotonin 1A receptor by lithium: roles of glycogen synthase kinase 3β and Deaf-1. Ottawa-Carleton Institute for Biology meeting, Ottawa ON, May 5-6, 2016.
221. Vahid-Ansari F, Daigle M, Manzini MC, Walsh CA, Albert PR (2016) Conditional knockout of 5-HT1A regulator Freud-1/CC2D1A in adult 5-HT neurons increases 5-HT1A autoreceptors, anxiety and depression behaviors. CCNP/CDRIN Joint Meeting, June 14-17, Halifax, NS.
222. Cardin V, Hen R, Daigle M, Albert PR (2016) The role of 5-HT1A autoreceptors in response to antidepressant treatment. CCNP/CDRIN Joint Meeting, June 14-17, Halifax, NS.
223. Albert PR, Le François B, Soo J, Millar AM, Daigle M, Le Guisque AM, Leman S, Minier F, Belzung C (2016) Reversal of adult stress-induced DNA methylation by chronic antidepressant treatment: a pathway to behavioral recovery. CCNP/CDRIN Joint Meeting, June 14-17, Halifax, NS. P. 17.
224. \*Vahid-Ansari F, Daigle M, Manzini MC, James J, Merali Z, Albert PR (2017) Abrogated Freud-1/CC2D1A repression of 5-HT1A autoreceptors induces a treatment-resistant anxiety-depression phenotype. CCNP Meeting, Kingston ON June 7-9. **\*TRAVEL AWARDEE**
225. Albert PR (2017) Novel transcriptional pathways regulating 5-HT and anxiety-depression phenotypes. CCNP Meeting, Kingston ON June 7-9.
226. Vahid-Ansari F and Albert PR (2017) Alterations in corticolimbic activity associated with post-stroke depression and its treatment. Canadian Stroke Congress, Calgary AB. #178 Sept. 9-11.
227. Bauer J, Daigle M, Albert PR (2017) Sp4 Enhances the Transcriptional Activity of the Human Serotonin 1a Receptor Promoter in a Human Non-Neuronal Cell Line. Ir J Med Sci 186:S474-S475.
228. Zahrai A, Vahid-Ansari F, Hupe G, Daigle M, Albert PR (2017) Optogenetic activation and inhibition of serotonin (5-HT) neurons *in vivo*. OHRI Research Day, Ottawa ON
229. \*Vahid-Ansari F, Daigle M, Manzini MC, Tanaka K, James J, Merali Z, Albert PR (2018) Differential 5-HT1A autoreceptor sensitivity to fluoxetine within raphe of a novel treatment-resistant depression/anxiety model. ISSR Meeting, Cork, Ireland. July 15-18. **\*TRAVEL AWARDEE**
230. Albert PR (2018) Transcriptional deregulation of 5-HT1A autoreceptors lead to SSRI-resistant anxiety-depression phenotype. ISSR Meeting, Cork, Ireland. July 15-18.
231. Albert PR (2018) When SSRI’s don’t work: altered 5-HT1A autoreceptor gene repression results resistance to chronic SSRI treatment. Canadian College of Neuropsychopharmacology Annual Meeting. Vancouver, Canada. June 28-30.
232. \*Vahid-Ansari F, Daigle M, Albert PR (2018) Chronic desipramine treatment reverses anxiety and depression phenotypes in a mouse model of fluoxetine resistance. CCNP Meeting, UBC, Vancouver, BC June 28-30. **\*DEWHURST TRAVEL AWARDEE**
233. Vahid-Ansari F, Zahrai A, Albert PR (2018) Chronic fluoxetine-induced activity changes associated with recovery from post-stroke depression phenotypes. Advances in Stroke Recovery, June 11-12, Gatineau, QC.
234. Zhang M, Vahid-Ansari F, Hupe G, Albert PR (2018) Combatting post-stroke depression via optogenetic stimulation of the serotonin system in a transgenic mouse model. Advances in Stroke Recovery, June 11-12, Gatineau, QC.
235. \*Vahid-Ansari F, Albert PR (2018) Fluoxetine-induced behavioral and cognitive recovery from unilateral prefrontal cortical stroke involves reduced glutamatergic hyper-activation and enhanced GABAergic activity. \***Selected Oral Presentation**. 11th World Stroke Congress, October 17-20, Montreal, Quebec.
236. \*Vahid-Ansari F, Zahrai A, Daigle M, Albert PR (2018) Targeting noradrenaline for treatment of anxiety and depression phenotypes in a fluoxetine-resistant mouse model of impaired serotonergic activity. \***Selected Oral Presentation**. OHRI Research Day, November 8, Ottawa ON
237. \*Zahrai A, Vahid-Ansari F, Albert PR (2018) Chronic fluoxetine induces serotonin axonal plasticity in recovery from post stroke depression. **\*MSc Poster Award.** OHRI Research Day, November 8, Ottawa ON.
238. Zhang M, Vahid-Ansari F, Hupe G, Albert PR (2018) Combatting post-stroke depression via optogenetic stimulation of the serotonin system in a transgenic mouse model. OHRI Research Day, November 8, Ottawa ON.
239. Zahrai A, Vahid-Ansari F, Albert PR (2019) Chronic fluoxetine induces serotonin axonal plasticity in a poststroke depression model in mice. UOttawa Brain Health Research Day, May 9, Institute for Mental Health Research, Ottawa ON. J Psychiatry Neurosci 44 (5 Suppl 1):S3.
240. \*Vahid-Ansari F, Zahrai A, Daigle M, Albert PR (2019) Chronic desipramine-induced noradrenergic neuroplasticity and recovery of anxiety and depression phenotypes in a fluoxetine-resistant mouse model. CCNP Meeting, McGill, Montreal, QC June 12-15. **\*DEWHURST TRAVEL AWARDEE**
241. Zhang M, Vahid-Ansari F, Albert PR (2019) Direct Serotonin System Stimulation via Optogenetics as Treatment for Post-Stroke Depression in a Mouse Model. CCNP Meeting, McGill, Montreal, QC June 12-15.
242. Zahrai A, Vahid-Ansari F, Albert PR (2019) Chronic fluoxetine induces serotonin axonal plasticity in recovery from post-stroke depression in a mouse model. Canadian Stroke Congress, Ottawa ON, October 3-5.
243. Vahid-Ansari F, Zahrai A, Albert PR (2019) Chronic antidepressant fluoxetine enhances axonal plasticity associated with recovery from post-stroke depression phenotypes. Canadian Stroke Congress, Ottawa ON, October 3-5.
244. Zhang M, Vahid-Ansari F, Albert PR (2019) Direct Serotonin System Stimulation via Optogenetics as Treatment for Post-Stroke Depression in a Mouse Model. Canadian Stroke Congress, Ottawa ON, October 3-5.
245. Zhang M, Vahid-Ansari F, Albert PR (2021) Actions of Acute and Persistent Optogenetic Stimulation of Serotonin Neurons in a Post-Stroke Depression Mouse Model. CCNP Virtual Meeting, Nov. 4.
246. Vahid-Ansari F, Zahrai A, Daigle M, Albert PR (2021) Chronic desipramine induces norepinephrine (NE) projections to promote recovery in a mouse model of fluoxetine-resistant depression. CCNP Virtual Meeting, Nov. 4.

**INVITED LECTURES AND SYMPOSIA**

1. 6/10/85 TRH-induced changes in cytosolic free calcium. TSH and TRH Symposium, Endocrine Society Meetings, Baltimore, MD
2. 11/85 TRH-induced changes in cytosolic free calcium: relation to PRL secretion. NATO Advanced Research Workshop "GH Pituitary Cell Strains as Tools in Molecular and Cellular Biology". Abstract #S23 Chantilly, France.
3. 9/12/89 Cloning and expression of rat serotonin and dopamine receptor genes. Dept. of Pharmacology, McGill University, Montreal.
4. 10/16/89 Cloning and functional expression of the dopamine-D2 and 5-HT1A receptors. McGill Cancer Centre, McGill University, Montreal.
5. 10/18/89 Cloning, expression, and function of dopamine and serotonin receptors. Neuroscience Institute, Montreal General Hospital, Montreal.
6. 11/20/89 Cloning and functional expression of the dopamine-D2 and serotonin-1A receptors. Douglas Mental Institute, Montreal.
7. 2/22/90 Cloning and functional expression of dopamine-D2 and serotonin-1A receptors. Endocrine Unit, Royal Victoria Hospital, Montreal.
8. 3/20/90 Cloning and functional expression of dopamine-D2 and serotonin-1A receptors. Department of Biochemistry, Université de Montréal.
9. 11/5/90 Coupling of the 5-HT1A receptor to G proteins. Department of Biochemistry, McGill University.
10. 10/17/91 Cloning and expression of the rat serotonin-1A receptor gene. Montreal Neurological Institute, McGill University.
11. 11/13/91 Molecular biology of the 5-HT1A receptor: low stringency cloning and eukaryotic expression. Neurosci. Satellite Symp., New Orleans, LA.
12. 3/25/92 Signal transduction switching and oncogenic transformation. McGill Cancer Centre, McGill University.
13. 3/15/93 Signal Transduction of Serotonin and Dopamine Receptors. Douglas Research Institute, McGill University.
14. 5/13/93 Signal Transduction and Regulation of Serotonin Receptors. Institute for Dementia Research, Miles Pharmaceutical, West Haven, Conn.
15. 9/27/93 Signalling and Regulation of Serotonin1A receptors. Montreal Children's Research Institute, McGill University.
16. 10/12/93 Heterologous expression of G protein coupled receptors in pituitary and fibroblast cells. Dept. of Pharmacology, University of Ottawa, Ottawa, Ont.
17. 10/22/93 Function and regulation of the 5-HT1A receptor. Dept. of Psychiatry, McGill University, Montreal.
18. 12/13/93 The 5-HT1A receptor: signalling, desensitization, and gene transcription. Study/Panel, A. C. N. P. Ann. Meeting, Honolulu, Hawaii.
19. 3/24/94 G protein specificity in receptor coupling. Interdisciplinary Endocrine Research Seminar, Royal Victoria Hospital, McGill University, Montreal.
20. 3/30/94 Genes and Drugs. Round Table Discussant, McGill Pharmacology Research Day
21. 7/21/94 Are the long and short forms of the dopamine-D2 receptor functionally different? Dopamine-'94, IUPHAR Satellite Meeting, Quebec City.
22. 9/28/94 Plasticity in serotonin and dopamine receptor signalling. Dept. of Biology, New York University, New York, NY.
23. 11/21/94 G protein specificity in dopamine and serotonin receptor signalling. Dept. of Neurology, University of Ottawa, Ottawa.
24. 1/28/95 Antisense strategies: do they make sense? Winter Conference on Brain Research, Steamboat Springs, CO.
25. 2/27/95 G protein specificity in receptor coupling: Antisense approaches. Astra Pain Research Unit, Laval, Quebec.
26. 3/13/95 Signalling and modulation of dopamine and serotonin receptors. Dept. of Pharmacology, University of Texas Medical School, Houston, TX.
27. 3/16/95 Longterm effects of antidepressant treatment. St. Mary's Hospital Centre, Montreal, Quebec.
28. 5/1/95 Plasticity of G protien-coupled receptor signalling. Dept. of Neurobiology, Case Western University, Cleveland USA.
29. 10/2/95 G protein coupling specificity of the dopamine D2 receptor. Dept. of Physiology, Queen's University, Kingston, Ont.
30. 2/15/96 Molecular plasticity of G protein-coupled receptor signalling. Research Institute, Montreal General Hospital, McGill, Montreal.
31. 2/23/96 Protein kinase C as a specifier of G protein coupling. NRC, Ottawa.
32. 3/5/96 Transcriptional regulation of 5-HT1A receptors: clinical correlates to depression. Institute of Mental Health, Royal Ottawa Hospital, Ottawa.
33. 3/15/96 Molecular plasticity of serotonin and dopamine receptors: a missing link in mental illness? Neurology City-wide Grand Rounds, Ottawa General Hospital, Ottawa.
34. \*3/20/96 Presentation, Michael Smith Award. MRC, Ottawa.
35. 4/3/96 Protein kinase C as a specifier of 5-HT1A signalling pathways. SUNY, Brooklyn, N.Y.
36. 3/26/96 G protein specificity in 5-HT1A and dopamine-D2 receptor signalling. Departments of Pharmacology and Physiology, University of Ottawa.
37. 4/25/96 G protein specificity in 5-HT1A and dopamine-D2 receptor signalling. Dept. of Clinical Biochemistry, University of Toronto, Toronto.
38. 5/6/96 Protein kinase C as a modulator of dopamine and serotonin receptors, NRI, University of Ottawa, Ottawa.
39. 12/4/96 PLC-B2: A switch for Gi-coupled receptor signalling. Neurotransmission Group, University of Ottawa, Ottawa.
40. 9/16/97 How receptors talk to G proteins: new sites for pharmacological intervention. Dept. Of Pharmacology & Therapeutics, McGill University, Montreal.
41. 9/17/97 Structure and regulation of the 5HT1A receptor gene. Maisonneuve-Rosemont Hospital Research Center, Montreal.
42. 9/18/97 Regulation of receptor-G protein coupling. Département de Pharmacologie, Université de Montréal, Faculté de Médecine, Montreal.
43. 10/20/97 Regulation of 5-HT1A Receptors and Signaling. Loeb Research Institute, Ottawa
44. 10/09/97 Structure-function analysis of 5-HT1A receptor coupling. Advances in serotonin Research: Molecular Biology, Signal Transduction and Therapeutics, San Francisco.
45. 06/01/98 Plasticity in receptor G protein signalling. Banting and Best Department of Medical Research, University of Toronto.
46. 19/03/98 Structure-functiion analysis of 5-HT1A receptor coupling. Astra Pharmaceutical, Montreal
47. 29/04/98 Regulation and function of the 5-HT1A receptor gene. Loeb Research Institute
48. 23/10/98 Receptor selectivity of the cloned opossum GRK2 in intact OK cells: Role in desensitization of endogenous alpha2C-adrenergic but not 5-HT1B receptors. Neurotransmission Theme, University of Ottawa
49. 29/10/98 5-HT1A receptor mutations in depression. Medical Hall of Fame, University of Ottawa.
50. 3/3/99 Molecular mechanisms in the treatment and etiology of depression. Honours Seminar Course, Dept. of Physiology, Univ. of Ottawa
51. 3/22/99 Current research on 5-HT1A receptors. Novartis, Montreal, Quebec.
52. 3/24/99 Polymorphism linked to major depression and related mental illnesses. University Medical Discoveries Initiative, Toronto, Ont.
53. 4/21/99 Polymorphism linked to major depression and related mental illnesses. Milestone Medica Corp., Montreal, Quebec.
54. 7/16/99 Enhancing neuronal communication. Site visit of ORDCF, NRI, Ottawa.
55. 7/22/99 A putative marker of major depression in the 5-HT1A receptor gene. Institute for Mental Health Research, Royal Ottawa Hospital, Ottawa.
56. 10/1/99 Receptor-G protein coupling specificity. Neuroscience Research Group, University of Calgary, Calgary, AB.
57. 11/23/99 Determinants of G protein specificity in receptor signalling. Great Lakes G Protein-Coupled Receptors Meeting, London, Ont.
58. 3/28/00 A G coupling domain in the second intracellular loop of the 5-HT1A receptor. Am. Soc. for Neurochem., Chicago, IL
59. 4/3/00 Structure and regulation of rat and human 5-HT1A receptor genes. OHRI Retreat, Carling Lake, Quebec.
60. 10/21/00 Repression and depression. Transcriptional regulation of the 5-HT1A receptor gene. 2nd Great Lakes G Protein-Coupled Receptors Meeting, London, Ont.
61. 12/8/00 Repression and depression. Transcription regulation of the 5-HT1A receptor gene. IBRO Course of Brain Research, IVIC, Caracas, Venezuela.
62. 3/24/01 Repression and depression. Transcription control of the 5-HT1A receptor gene. Killam Seminar, Montreal Neurological Institute.
63. 8/4/01 Regulation of serotonin and glucocorticoid systems in mood disorders. Symposium Chair. 32nd Ann. Congress, Int. Soc. Psychoneuroendocrinol., Quebec City.
64. 8/4/01 Mechanisms of transcriptional regulation of serotonin-1A receptor by glucocorticoids and mental illness. 32nd Ann. Congress, Int. Soc. Psychoneuroendocrinol., Quebec City.
65. 10/11/01 A common polymorphism that impairs repression of the 5-HT1A receptor gene for susceptibility to mental illness and ischemia. 10th International Symposium, “The new frontiers of neurochemistry and biophysics on diagnosis and treatment of neurological disease” (Satellite of international society of neurochemistry). Firenze, Italy.
66. 4/15/02 Molecular Approaches to Understanding Depression. OHRI First Anniversary Retreat, Ottawa, ON.
67. 6/12/02 Repression and depression. Transcriptional regulators of the 5-HT1A gene. CCNP Annual Meeting, Ottawa, ON.
68. 6/26/02 Regulation of 5-HT1A receptor gene expression. 23rd Congress of the Collegium Internationale NeuroPsychopharmacologicum (CINP), Montreal, Quebec.
69. 10/31/02 Molecular approaches to understanding depression. Department of Psychiatry, McMaster University, Hamilton, ON.
70. 2/16-17/03 Participant, Consultation on Psychiatric Genetics, Neurogenetics, and Brain Genomics, Toronto, ON.
71. 03/07/03 Finding functional polymorphisms for depression and schizophrenia. Institute of Mental Health Research, Royal Ottawa Hosp., Ottawa, ON.
72. 03/06/03 Dopamine-D2 receptors: signaling and desensitization. Dept. Physiology, U. de Montreal.
73. 5/4/03 Chairperson, Theme I. Neurobiology of severe mental disorders: from cell to bedside. 25th annual symposium, Centre for Neuroscience Research, Université de Montréal.
74. 5/23/03 G-proteins as mitogens or mitogenic inhibitors: depends on whom you talk to. Robarts Research Institute, London, ON.
75. 5/24/03 Novel transcriptional regulators of the 5-HT1A receptor. Southwestern Ontario Neuroscience Group Annual Meeting, London, ON.
76. 6/01/03 Dopamine-D2 receptors: novel aspects of signaling, regulation, and implications for schizophrenia. CCNP Annual Meeting, Montreal, QC.
77. 6/20/03 G protein specificity of dopamine D2 receptor inhibition of lactotroph function. Endocrine Soc. Meeting, Philadelphia, PA.
78. 8/7/03 Decoding receptor-G protein-effector specificity. Tularik, San Francisco, CA.
79. 10/21/03 Decoding receptor-G protein-effector specificity. IBC 8th International G protein-coupled receptors. Boston, MA.
80. 11/17/03 Quest. Diagnostics and Therapeutics for Depression. Bionorth Business Case competition. Ottawa, ON.
81. 1/28/04 Repression and depression: the role of transcriptional repressors of the 5-HT1A receptor gene in major depression and suicide. Dept. of Neuroscience, Karolinska, Sweden.
82. 2/3/04 G protein specificity in prolactin and growth hormone regulation. 2004 Prolactin Gordon Conference. Ventura, CA.
83. 4/13/04 Transcriptional regulation of the Serotonin-1A receptor in mental illness and antidepressant action. Department of Pharmacology, Weill Medical College of Cornell University, N.Y., N.Y.
84. 4/29/04 Symposium: 5-HT1A Receptors: New Roles for an Established Player in the Pathogenesis and Treatment of Major Depression [Chair: Bernard Lerer Co-Chair: Paul R. Albert], Society of Biological Psychiatry, N.Y., N.Y.
85. 6/2/04 Symposium: 5-HT and depression. The C(-1019)G 5-HT1A functional polymorphism: association with depression, suicide and antidepressant response. CCNP Meeting, Kingston ON.
86. 9/28/04 5-HT1A receptors, repression and depression: guilt by association. Dept. of Pharmacology, Wayne State University, Detroit, MI.
87. 10/29/04. Transcriptional regulation of the 5-HT1A receptor gene in depression. Oregon National Primate Research Center, Portland, OR.
88. 12/12-16/04. Gene regulation at the C(-1019)G serotonin1A receptor promoter polymorphism and its association with major depression and suicide. ACNP Annual Meeting, Puerto Rico.
89. 1/12/05. Finding functional promoter polymorphisms for mental illness. CAMH, University of Toronto, Toronto ON.
90. 2/09/05. Genetic regulation of serotonin receptor function and its association with affective disease and treatment outcome. Centre Pierre Janet, Gatineau, Quebec.
91. 3/15/05. Gene repressor mechanisms in the serotonin system implicated in major depression. Department of Pharmacology, McGill Univ., Montreal, Quebec.
92. 4/11/05. Transcriptional regulators of the 5-HT1A receptor gene: association with depression. Loeb Seminar Series, OHRI, Ottawa, Canada.
93. 6/14/05. Regulation of serotonin and dopamine systems in health and disease. Canadian Congress of Neurological Sciences. Ottawa, ON.
94. 6/17/05. Genetic mechanisms of serotonin-1A autoreceptor regulation in major depression. Univ. of Mississippi, Jackson, MS.
95. 11/7/05. Transcriptional regulation in the serotonin system implicated in mental illness and antidepressant action. Columbia University, N.Y.
96. 3/6/06. Association of the 5-HT1A C(-1019)G functional promoter polymorphism with affective disease and response to antidepressants. Symposium: “Pharmacogenetics of Antidepressants and Mood-Stabilisers”, International Soc. of Affective Disorders Meeting, Lisbon, Portugal
97. 5/18-20/06. Altered regulation of the 5-HT1A receptor gene at the C(-1019)G polymorphism: association with reduced response to antidepressants. Symposium: **Genetic, Imaging, and Biological Studies of the Serotonin 5-HT1A Receptor.** Soc. for Biol. Psych., Toronto.
98. 9/29/06. Finding functional promoter polymorphisms for mental illness. CIHR Canada-China Workshop on Neurogenetics, Ottawa.
99. 1/26/07. Transcriptional regulators of the serotonin and dopamine receptors in mental illness. Carleton University, Ottawa.
100. 6/18/07. Biomarker Program in Stroke. 5th Annual General Meeting. Centre for Stroke Recovery. Toronto, ON.
101. 7/31/07. Transcriptional regulators of serotonin and dopamine receptor genes: implications in depression and mental retardation. Dept. of Pharmacology, Dalhousie University, Halifax, NS.
102. 10/15/07. Functional polymorphisms in 5-HT1A and dopamine-D2 receptor genes and their association with major depression, suicide, and antidepressant response. Centre de Recherche Fernand-Seguin. Univ. de Montreal, Que.
103. 10/17/07. Procedures and tips for the comprehensive exam. Grant writing/ PhD Comp. exam workshop, Univ. of Ottawa, Ottawa, ON.
104. 10/30/07. Biomarkers in Post-Stroke Depression and Recovery. HSFO-CSR Review Panel, Ottawa, ON.
105. 3/19/08. Chair. Free rapid communications session. ISAD Annual Meeting, Cape Town, South Africa.
106. 4/2/08. Freud-1: A transcription repressor of serotonin and dopamine receptors linked to mental retardation. Robarts Research Institute, UWO, London, ON
107. 5/16/08. Serotonin receptors and G protein signaling. Electrosensory Systems Annual Meeting. Merrickville, ON.
108. 7/18/08. Symposium: Maternal, epigenetic and genetic influences on serotonergic development and mental illness. Chair. Serotonin Club Meeting, Oxford, UK.
109. 7/18/08. Transcriptional regulators and functional polymorphisms in the 5-HT1A receptor gene: implications in mental illness. Serotonin Club Meeting, Oxford, UK.
110. 12/05/08. G protein specificity in receptor signaling. NRC Workshop in Bioimaging, Ottawa, ON.
111. 12/09/08. Genetic and functional analysis of the C(-1019)G 5-HT1A promoter polymorphism. ACNP Meeting, Scottsdale, AZ.
112. 4/24/09. DNA methylation of the 5-HT1A receptor gene in mental illness. Douglas Research Institute, McGill University, Montreal, Que.
113. 6/5/09. Mechanisms and Biomarkers for Stroke Recovery. Heart and Stroke Foundation Centre for Stroke Recovery Annual General Meeting, Toronto, ON.
114. 6/5/09. The Future of HSFCSR: Brainstorming New Multisite Initiatives. Heart and Stroke Foundation Centre for Stroke Recovery Annual General Meeting, Toronto, ON.
115. 6/16/09. Genetic and epigenetic modifications at the 5-HT1A receptor gene in mental illness. Columbia University, New York City, NY.
116. 10/27/09. Transcriptional regulation of serotonin and dopamine receptor genes by Freud-1/2: implications for mental retardation, depression and suicide. Dept. of Pharmacology, University of Toronto
117. 11/07/09. Altered regulation of the serotonin-1A receptor gene in major depression and suicide. Open Minds Symposium, INMHA, CIHR, CPRF , Ottawa, ON.
118. 5/16/10. Chair: Epigenetics of Mental Illness: Environment-Genome Interactions. CAN-CCNP Joint Meeting, Ottawa, ON.
119. 5/16/10. 5-HT1A Genotype and DNA Methylation in schizophrenia and suicide. CAN-CCNP Joint Meeting, Ottawa, ON.
120. 5/22/10. Roles of serotonin-1a receptors in depression, antidepressant therapy and neurogenesis. 4th Canadian IBRO School of Neuroscience, Ottawa, ON.
121. 6/19/10. Epigenetic modification in mental illness. 2nd Annual Brain Health Research Day, Ottawa, ON.
122. 7/10/10. Genetic and epigenetic regulation of the 5-HT1A receptor: Implications for major depression, schizophrenia and suicide. Serotonin Club Meeting, Montreal, Canada.
123. 10/21/10. Transcriptional dysregulation of 5-HT1A autoreceptors in mental illness. Great Lakes GPCR Meeting, Kingsbridge Conference Centre, King City, ON.
124. 1/21/11. Transcriptional dysregulation of 5-HT1A autoreceptors in mental illness. Université Laval, Quebec City, QC.
125. 3/7/11. Transcriptional analysis to identify mechanisms and genetic markers for depression. Neuroscience Seminar Series, Univ. of Ottawa, Ottawa, ON.
126. 5/2/11. Transcriptional regulation of serotonin receptors. THE NEUROBIOLOGY OF DEPRESSION: Revisiting the Serotonin Hypothesis, 33rd International Symposium of the GRSNC, U. de Montréal, Quebec.
127. 6/17/11. Directing serotonin receptor signaling to develop new antidepressants. Brain Health Research Day, Univ. of Ottawa, Ottawa, ON.
128. 11/29/11. Transcriptional control of serotonin autoregulation in major depression. Dept. Neuroscience and Psychiatry. Columbia University, New York, NY.
129. 3/12/12. Serotonin-1A autoreceptor dys-regulation in major depression and suicide. SUNY Downstate, Brooklyn, NY
130. 4/10/12. Transcriptional regulators and functional polymorphisms in the 5-HT1A receptor gene: implications in depression. Weill Cornell Medical College, New York, NY
131. 4/12/12. The serotonin system in depression and anxiety disorder. Department of Biology, New York University, New York, NY
132. 4/19/12. Transcriptional dysregulation of 5-HT1A receptors in psychiatric disorders. City University of New York, Staten Island, NY
133. 5/9/12. Gènes de sérotonine et la dépression: le dérèglement de la récepteur sérotonine-1A dans la dépression. ACFAS Meeting May 9-10. Montréal, QC
134. 5/25/12 Chair, Presidential symposium. Mental Illness: New Understanding, New Treatments. CCNP Annual Meeting 2012, May 23-6. Vancouver, BC
135. 10/1/12. Altered transcriptional and epigenetic regulation of the 5-HT system in depression and anxiety. New York State Psychiatric Institute, New York City, NY
136. 10/15/12. Transcription dysregulation of 5-HT1A receptors in psychiatric disorders. 25th ECNP Congress, 13-17 October, Vienna, Austria.
137. 10/19/12. Molecular mechanisms of serotoninergic autoreceptor desensitization. Institute of Pharmacology Polish Academy of Sciences, Krakow, Poland.
138. 2/12/13. Neurobiology of the serotonin system. Crash Course in Psychiatry. Lady Davis Institute, McGill University, Montreal, Quebec.
139. 3/18/13. Transcriptional dys-regulation in mental illness. Douglas Research Institute, McGill University, Montreal, Quebec.
140. 5/30/13 Chair, Presidential symposium. New Approaches in Translational Neuropsychopharmacology. CCNP Annual Meeting 2013, May 29-June 1. Toronto, ON
141. 6/11/13. Genetic and epigenetic alterations in serotonin-1A receptors in human depression and suicide subtypes. IASR 2013 World Congress. Montreal, Quebec.
142. 6/18/13. Hen Lab Research Update. Columbia University, New York, NYC.
143. 9/11/13. Schizophrenia and personalized medicine: 5-HT1A receptor polymorphism. CIHR-CCJHRI symposium. Beijing, China.
144. 1/6/14. Epigenetics and the serotonin system. Brain Canada Neuroepigenetics Group meeting, Douglas Research Institute, Montreal, Canada.
145. 2/25/14. Neurobiology of the serotonin system. Crash Course in Psychiatry. Allan Memorial Institute, McGill University, Montreal, Quebec.
146. 4/7-9/14. Developmental dys-regulation of the serotonin system in determining anxiety and depression phenotypes. World Congress on Brain, Behavior and Emotions 2014, Montreal, Quebec.
147. 6/18/14 Chair, Symposium. **Neurogenesis, Stress and Depression**. CCNP 2014 Annual Meeting, Banff, Alberta
148. 6/26/14. Speaker, The ABCs and CpGs of Epigenetics Workshop, 29th CINP World Congress, Vancouver, BC.
149. 6/25/14. Symposium Chair and Speaker. “Genetic mechanisms for longterm alterations in serotonin in depression” in symposium S28: Serotonin, stress and depression: genetic and epigenetic factors. 29th CINP World Congress, Vancouver, BC
150. 11/12/14. Translating basic research into mental health: focus on serotonin and major depression. Resident Research day, Dept. Psychiatry, Civic Hospital, Ottawa, ON
151. 1/16/15. Translating basic research into the clinic: role of genes and environment in the development of depression. Neuroscience Rounds, Dept. of Neurology, University of Ottawa.
152. 6/6/15. Optogenetic targeting of serotonin neurons to study anxiety and depression. Symposium Title: Probing the link between brain and behavior with optogenetics. Canadian Society for Brain, Behaviour and Cognitive Science 25th Annual Meeting, Carleton University, Ottawa, ON.
153. 6/10/15. Symposium Chair: Altered Dopamine-D2 receptor function in addiction and schizophrenia. CCNP 2015 Annual Meeting, Ottawa ON.
154. 6/10/15. Transcriptional regulation of dopamine-D2 receptors in schizophrenia. CCNP 2015 Annual Meeting, Ottawa ON.
155. 9/17/15. A mouse model of post-stroke depression. Advances in Stroke Recovery Meeting, Toronto Congress Centre, Toronto, ON.
156. 9/20-3/15. Deaf1-MeCP2 interaction mediates of genotype- and methylation-dependent transcription of 5-HT1A receptor. Janelia conference '**Behavioral Epigenetics: Conserved Mechanisms in Diverse Model Systems'**, Janelia Research Center, Ashburn, VA.
157. 10/13/15. Transcriptional Integration of Genotype-Environment Interactions at the HTR1A Gene. IASR 2015 World Congress. New York City, NY
158. 6/16/16. Symposium Chair: Stress, epigenetics, depression and suicide. CCNP/CDRIN Meeting 2016, Halifax, NS
159. 6/16/16. Reversal of adult stress-induced DNA methylation by chronic antidepressant treatment: a pathway to behavioral recovery. CCNP/CDRIN Meeting 2016, Halifax, NS
160. 10/15/16. In vivo roles of serotonin-1A receptor regulation in depression and anxiety phenotypes. Great Lakes GPCR Retreat, October 14-16, Chicago IL
161. 5/31/17. Optogenetics Workshop. Brain Health Research Day. University of Ottawa.
162. 6/9/17. Symposium Chair. Novel signaling mechanisms for treatment of anxiety and depression. CCNP2017 Meeting, Kingston, ON
163. 6/9/17. Novel transcriptional pathways regulating 5-HT and anxiety-depression phenotypes. CCNP2017 Meeting, Kingston, ON
164. 6/7/17. A molecular biologist in Psychiatry: from signaling to transcription in behavior. Heinz Lehmann Award Lecture. CCNP2017 Meeting, Kingston, ON
165. 5/14/18. Fluoxetine, exercise or both for recovery from post-stroke depression? OHRI Retreat, Ottawa, ON.
166. 6/30/18. Symposium Chair. New approaches for treatment of mental illness. CCNP2018 Meeting, UBC, Vancouver, BC
167. 6/30/18. When SSRI’s don’t work: altered 5-HT1A autoreceptor gene repression results resistance to chronic SSRI treatment. CCNP2018 Meeting, UBC, Vancouver, BC
168. 7/18/18. Differential 5-HT1A autoreceptor sensitivity to fluoxetine within raphe of a novel treatment-resistant depression/anxiety model. ISSR2018 Meeting, Cork, Ireland.
169. 5/9/19. Sex differences in serotonin models of anxiety and depression. Brain Health Research Day, Inst for Mental Health Research, Ottawa ON.
170. 9/27/19. The 5-HT1A autoreceptor: a double-edged regulator of serotonin activity and response to antidepressants. Great Lakes GPCR Retreat 2019, Sept 26-28, Bromont, Quebec.
171. 3/25/22. Reconnecting brain serotonin networks for recovery from anxiety and depression. 16th Annual Undergraduate Research Day, Dr. F.C. MacIntosh Lectureship Keynote Lecture, Dept. of Physiology, McGill University, Montreal, Quebec.

**AD HOC REVIEWS**

**Research Journals:** Endocrinology, J. Neurochemistry, Neuroreport, Can. J. Bioch. and Physiol, J. Pharmacol. Exp Ther., Am. J. Physiol., J. Neuroscience, J. Biol. Chem., PLOS One, Neuropharmacol., J. Biol. Chem.

**Editorial Positions:**

1/94-9/95 Deputy Editor, Neuroreport

Neuropharmacology/Neurotoxicology section

A.C. Cuello, editor

10/09-7/20 Associate Editor, Journal of Psychiatry and Neuroscience

3/11-12/12 Guest Editor, Proc. Royal Soc. London B Special Issue: THE NEUROBIOLOGY OF DEPRESSION: Revisiting the Serotonin Hypothesis

7/20-7/25 Editor-in Chief, Journal of Psychiatry and Neuroscience

**Editorial Board Membership**

1/97-1/01 Endocrinology (1-2 ms/month)

7/03-9/08 J. Biol. Chem. (4 ms/month)

12/03-1/17 Int. J. Neuropsychopharmacol. (1 ms/month)

**PROFESSIONAL SOCIETIES:**

1986-2009 Endocrine Society

1990-2016 Society for Neuroscience

2001- Canadian Congress of Neuropsychopharmacology (CCNP)

2002-9 American Society for Biochemistry and Molecular Biology (ASBMB)

2007-12 International Society for Affective Disorders (ISAD)

2007-18 Collegium Internationale Neuro-Psychopharmacologicum (CINP)

**Organizing Committee**

1998-present Great Lakes GPCR Retreat

2004-8 International Society of Affective Disorders 2008 Meeting, Capetown, South Africa

2013-4 CCNP 2014 35th Annual Meeting, Banff, Alberta

2013-4 1st Canadian Depression Research and Intervention Network (CDRIN) Meeting, Ottawa, ON

**Meetings Organized**

Oct. 20-22, 2005 Organizer, Great Lakes GPCR Retreat, Chateau Montebello, Quebec

June 19, 2009 Co-organizer, 1st Annual Brain Health Research Day, University of Ottawa

May 14-16, 2010 Organizer, 33rd Annual Canadian Congress of Neuropsychopharmacology (CCNP) Meeting (1st joint meeting with CAN), Westin Hotel, Ottawa, ON

July 9-11, 2010 Organizer, International Society for Serotonin Research 2010 Meeting. Serotonin: The New Wave, Omni Mont Royal Hotel, Montreal, Quebec

May 2-3, 2011 Co-organizer, THE NEUROBIOLOGY OF DEPRESSION: Revisiting the Serotonin Hypothesis, GRSNC, Université de Montréal, Montreal, Quebec

June 17, 2011 Co-organizer, Brain Health Research Day, University of Ottawa

May 9-10, 2012 Co-organizer, 80e Congrés de l’ACFAS Symposium 131, Les faces cachées de la sérotonine, Palais des Congrés, Montréal, Québec.

March 26-7, 2014 Co-organizer, Canadian Depression Research and Intervention Network (CDRIN) Conference 2014 “Transforming Depression through Connections”, Ottawa Convention Centre, Ottawa ON.

June 18-21, 2014 Co-organizer, 37th Annual Canadian Congress of Neuropsychopharmacology (CCNP) Meeting, Banff, Alberta.

June 9-12, 2015 Organizer, 38th Annual Canadian Congress of Neuropsychopharmacology (CCNP) Meeting, Ottawa, ON.

May 12, 2017 Co-organizer, From Neuron to Patient Commemorative Symposium, OHRI, Ottawa, ON.

June 1, 2017 Co-organizer, Brain Health Research Day 2017, University of Ottawa, Ottawa, ON

October 19-21, 2017 Co-organizer, 18th Annual Great Lakes GPCR Retreat, Westin Hotel, Ottawa, Ontario

May, 2019 Co-organizer, Brain Health Research Day 2019, IMHR, Ottawa, ON

November 7, 2019 Co-Chair, OHRI Research Day, St. Elias Centre, Ottawa ON

6/2019-3/2020 Scientific Committee Member, Neuroscience and Mental Health Trainee Network Meeting, IMHR, Ottawa ON.

Nov 18-19, 2020 Co-Chair, OHRI Research Day Virtual Meeting

April 23, 2021 Co-Chair, Celebrating Dr. Johnny Ngsee Virtual Meeting

Nov 18-19, 2021 Co-Chair, OHRI Research Day Virtual Meeting

**Council/Committee Membership:**

6/04-6/08 Canadian Congress of Neuropsychopharmacology (CCNP)

3/05-3/08 Journals Managing Subcommittee, Endocrine Society

9/06-9/07 Chair, Molecular Endocrinology EIC Search Subcommittee, Endocrine Society

6/08-6/10 Vice-President, Canadian Congress of Neuropsychopharmacology

6/08-6/14 Member, CINP Constitution and Bylaws Committee

6/08-6/12 Member, ISAD Scientific Programme Committee

6/10-6/12 President-Elect, Canadian Congress of Neuropsychopharmacology

6/12-6/14 President, Canadian Congress of Neuropsychopharmacology

6/12-6/14 Chair, Awards Committee, Canadian Congress of Neuropsychopharmacology

6/14-6/16 Chair, Nomination Committee, Canadian Congress of Neuropsychopharmacology

8/14-9/14 2014 Sourkes Prize Jury, Dept. of Pharmacology and Therapeutics, McGill

8/15- Chair, Sourkes Prize Jury, Dept. of Pharmacology and Therapeutics, McGill

6/17- Member, CIHR College of Reviewers

**CAREER AWARDS**:

9/80-6/85 N.I.H. Predoctoral Training Grant, Department of Pharmacology, Harvard University

2/86-1/89 N.I.D.D.K., USA. Post-doctoral Fellowship. TRH Receptor Cloning.

7/89-6/92 F.R.S.Q., Quebec. Chercheur Boursier (Junior 1) $40,000/yr

7/92-12/95 F.R.S.Q., Quebec. Chercheur Boursier (Junior 2) $50,000/yr

1/96 CIHR/Novartis Michael Smith Chair in Neuroscience $500,000

1/12-12/12 Schaefer Research Scholar Award, Columbia University $50,000

**AWARDS AND HONOURS**:

1999 First Annual Mentoring Award, Faculty of Medicine, University of Ottawa.

2000 John Dewan Prize, Ontario Mental Health Foundation, Ontario.

2008-10 Vice-President, Canadian College of Neuropsychopharmacology

2010-2 President-Elect, Canadian College of Neuropsychopharmacology

2012-4 President, Canadian College of Neuropsychopharmacology, President

2012 Schaefer Research Scholarship, Columbia University, NY

2014-6 Past-President, Canadian College of Neuropsychopharmacology

2015 Dr. Tony Hakim Stroke Research Award, Canadian Partnership for Stroke Recovery

2017 Heinz Lehmann Award, Canadian College of Neuropsychopharmacology

2019 Grimes Research Career Achievement Award, Ottawa Hospital Research Institute

**Grant Review and Committees:**

1993-1997 NCIC Operating/Equipment Grant Committee, panel D

1994 FRSQ Predoctoral Grant Committee

1997-99 Alberta Heritage Foundation for Medical Research Scholarship Committee

1998-2003 Ontario Mental Health Foundation, Grant Committee

2000 CIHR, Neuroscience A Panel, Invited Member

2000-4 CIHR, Neuroscience B Panel, Member

2001 CFI/FRSQ, New Opportunities Review Panel, Invited Reviewer

2003-4 Ontario Mental Health Foundation, Special Funding Initiative Review

2005 CIHR, Pharmacology and Toxicology Panel, Invited Member

2006-9 CIHR, Pharmacology and Toxicology Panel, Member

2009-15 CIHR, Pharmacology and Toxicology Panel, Chair

2011 CIHR, Genomics Panel, Invitee Reviewer

2012 ANR, France, Panel Reviewer

2013 ERA-NET Neuron Panel, Member

2014 CIHR, Foundation Stage 1, Virtual Chair

2014 National Science Center Poland (NCN), External Reviewer

2014 UKRI-MRC, External Reviewer

2015, 18 Mitacs Accelerate, External Reviewer

2016 CIHR, The Wilfred and Joyce Posluns Chair in Women’s Brain Health and Aging, Review Panel Member

2017 ERA-NET Neuron, External Reviewer

2017 UKRI-MRC, External Reviewer

2018-20 HSFC-SRC III, Panel Member

2018 CIHR, Gender, Sex, Health Panel, Invitee Reviewer

2021 Mitacs Elevate, External Reviewer

2019-20 UKRI-MRC, External Reviewer

2019 National Science Center Poland (NCN), External Reviewer

2020 Fondation pour la Recherche Médicale, External Reviewer

2020-1 HSFC-SRC II-III, Panel Member

2021 Canada Research Chairs, External Reviewer

2021 Mitacs Elevate, External Reviewer

2022 CIHR, The Wilfred and Joyce Posluns Chair in Women’s Brain Health and Aging, Review Panel Member

2022 Mitacs Accelerate, External Reviewer

2022 Marsden Fund NZ, External Reviewer

**Program Review Committees**

2012 External reviewer, Neuroscience Graduate Program, Univ. de Montreal.

2014 Chair, FRQS Evaluation Committee for Centre de Recherche de l'Institut universitaire en santé mentale de Québec (CRIUSMQ), Université Laval, centre hospitalier Robert Giffard.

2017 External reviewer, l'Institut de pharmacologie de Sherbrooke (IPS).

2020-1 External reviewer, Fellowship programme, Gutenberg Research College, University of Mainz

**External evaluator for Promotion/Tenure**

2019 McGill University

2019 University of Toronto

2017 Columbia University

2015 Columbia University

2012 Columbia University

2011 University of Western Ontario

2010 University of Toronto

2005 McGill University

**GRANTS RECEIVED:**

7/89-6/92 FRSQ, Canada. Establishment Grant $24,700 Function and regulation of the rat 5-HT1A receptor gene

7/89-6/92 MRC, Canada. Operating Grant $53,834/yr Function and regulation of the rat 5-HT1A receptor gene

7/89-6/92 MRC, Canada. Equipment Grant $16,000 Function and regulation of the rat 5-HT1A receptor gene

4/91-3/94 NCI, Canada. Operating Grant $104,739/yr Upstream switching mechanisms for control of cell proliferation and differentiation

4/91-3/92 NCI, Canada. Terry Fox Award (Equipment) $38,365 Upstream switching mechanisms for control of cell proliferation and differentiation

7/92-7/95 MRC, Canada. Operating Grant (Renewal) #10569 $55,465/yr Structure and function of the 5-HT1A receptor gene

7/93-7/95 Parkinson's Foundation, Canada. Operating Grant $35,000/yr Differential regulation of dopamine-D2 receptors

4/94-3/97 NCI, Canada. Operating Grant Renewal $100,000/yr Upstream switching mechanisms for control of cell proliferation and differentiation

1/96-4/99 MRC, Canada. New Operating Grant #13488 $72,000/yr Transcriptional regulation of the 5-HT1A receptor gene.

4/97-4/99 Ontario Mental Health Foundation $40,000/yr Regulation of Dopamine D2 Receptor Function

7/97-7/98 NCI, Canada. Operating Grant #009506 $50,000/yr Upstream switching mechanisms for control of cell proliferation

7/98-6/99 Schizophrenia Society of Canada $14,500/yr Identification of novel dopamine-D2 receptor signaling pathways

7/98-6/00 Parkinson Foundation of Canada $30,000/yr Regulation of D1 dopamine receptors by protein kinase A

4/99-4/01 Ontario Mental Health Foundation $50,000/yr Regulation of Dopamine D2 Receptor Function

4/99-9/99 MRC, Canada. Operating Grant #13488 $10,000 Transcriptional regulation of the 5-HT1A receptor gene.

9/99-9/02 CIHR, Canada. Operating Grant MOP-36347 $110,000/yr Transcriptional regulation of the 5-HT1A receptor gene.

4/00-4/03 CIHR, Canada. Operating Grant $88,000/yr

Coupling domains of the 5-HT1A receptor.

4/00-4/03 CIHR, Canada. Operating Grant (**declined**) $90,000/yr

Regulation of cell proliferation by inhibitory G proteins.

7/00-7/03 NCI, Canada. Operating Grant #011247 $107,000/yr

Regulation of cell proliferation by inhibitory G proteins.

1/01-12/02 Parkinson Foundation of Canada $40,000/yr Regulation of D1 dopamine receptors

4/01-4/03 Ontario Mental Health Foundation $56,000/yr Regulation of Dopamine D2 Receptors

9/02-9/05 CIHR, Canada. Operating Grant MOP-36437 $125,000/yr Transcriptional regulators of the 5-HT1A receptor gene eq. $18,000

4/03-4/06 CIHR, Canada. Operating Grant $95,000/yr

Coupling domains of the 5-HT1A receptor.

4/03-4/07 Ontario Mental Health Foundation (Type B) $70,000/yr Regulation of Dopamine D2 Receptor Function

4/04-4/07 CIHR, Canada. Operating Grant $95,000/yr

Regulation of cell proliferation by inhibitory G proteins.

4/04-4/09 HSFO, Operating Grant **PI: David S. Park** $100,000/yr

Mechanisms of delayed death in stroke

9/05-9/07 CIHR, Canada. Operating : **Bisserbe (PI)**, Albert, Blier, Young $107,000/yr

Role of a functional 5-HT1A receptor gene polymorphism as a risk factor for depression

9/05-9/10 CIHR, Canada. Operating Grant MOP-36437 $129,000/yr Transcriptional regulators of the 5-HT1A receptor gene eq. $8,000

4/06-4/11 CIHR, Canada. Operating Grant MOP-38080 $95,000/yr

Coupling domains of the 5-HT1A receptor.

9/06-9/08 AstraZeneca/CIHR/Rx&D/CPRF, Canada. Neurobiology Program $100,000/yr.

DNA methylation at a novel functional polymorphism of the serotonin-1A receptor gene promoter.

4/07-7/09 Ontario Mental Health Foundation $75,000/yr Regulation of Dopamine D2 Receptor Function

07/08-07/11 HSFO, Operating Grant T-6383 **PI: Krista Lanctôt** $95,000/yr

The role of cytokine-serotonin interactions in post-stroke depression and cognitive symptoms

12/09-12/11 Schizophrenia Society of Ontario **PI: Verner Knott** $50,000/yr

Smoking out the Voices: The Influence of Pharmacological and Genetic Alterations of the α7 Nicotinic Receptor System on Auditory Gating and Hallucinations in Schizophrenia

1/10 CIHR-INMHA Meetings Grant $5,000

Canadian Neuroscience Meeting - CCNP Annual Meeting 2010

1/11-1/12 HSF-CSR $100,000

Compound screen for enhancers of stroke recovery

7/11-7/13 HSFO, Operating Grant NA-7220 **PI: Krista Lanctôt** $66,182/yr

The Neurotrophic Effects of Lithium Carbonate Following Stroke: A Feasibility Study

9/11-9/16 CIHR, Operating Grant MOP-115098 $153,800/yr

Transcriptional regulators of the 5-HT1A receptor gene

4/12-4/14 Ontario Mental Health Foundation $75,000/yr Regulation of Dopamine D2 Receptor Function

4/12-4/13 NSERC $28,000/yr Novel Gi signaling to the tumor necrosis factor-alpha death pathway

9/12-9/17 CIHR, Operating Grant MOP-123426 $103,532/yr Coupling domains of the 5-HT1A receptor

3/13-3/16 Brain Canada/W. Garfield Weston Foundation, Multi-Investigator Research Initiative. **PI: Michael Meaney** $351,633/yr

Epigenetics and Mental Health

4/13-4/14 Heart & Stroke Canadian Partnership for Stroke Recovery $50,000

**co-PI: Diane Lagace**

Enhancing recovery from post-stroke depression

1/13-12/14 uOttawa Brain and Mind Institute **PI: Verner Knott** $40,000

An Initial Phase 2 Trial of an Add-On Nicotine Agonist Treatment for Sensory and Cognitive Deficits in Schizophrenia

8/14-8/16 uOttawa Brain and Mind Institute **co-PI: Diane Lagace** $60,000

Optogenetically Targeted Serotonin Release for Treatment of Depression and Anxiety.

7/15-12/16 Heart & Stroke Canadian Partnership for Stroke Recovery $70,000 **co-PI: Diane Lagace**

Optogenetic enhancement of recovery from post-stroke depression

7/15-7/16 Canadian Foundation for Innovation – Innovation Fund $2,816,000

Deciphering brain network disruptions in neurological disorders: A pivotal step in therapeutic intervention (**PI: David Park**)

7/17-12/18 Heart & Stroke Canadian Partnership for Stroke Recovery $50,000

Optimizing optogenetic enhancement of stroke recovery

7/18-7/21 Heart & Stroke Foundation Canada G-18-22085 $253,560

Enhancing behavioral and cognitive recovery from stroke

4/20-4/25 CIHR, Project Grant PJT168948 $174,871 (2020-1); $158,355/yr Overcoming resistance to antidepressant treatment $808,291

3/21 CRCEF Stage 3 + 4 Funding $6,118.50

9/21-9/26 CIHR, Project Grant Co-Applicant $175,185/yr

Astroglial cells as mediators of sex and hormone- dependent $875,926 differences in depressive like behaviours. (**PI: Natalina Salmaso)**

7/22-7/25 Heart & Stroke Foundation Canada G-22-0032235 $ 92,767/yr

Enhancing neuroplasticity for behavioral recovery post-stroke $278,300

6/22-6/24 Mitacs Accelerate Co-PI 75,000/yr

Common a-synuclein-inflammatory routes to Parkinson’s disease $150,000

and co-morbid depression. (**PI: Shawn Hayley)**

**TEACHING:**

**Graduate Students**

**Completed**:

4/91-12/92 Alain Charest-M.Sc., Pharmacol. Therap., McGill

Thesis: Characterization of the 5'-flanking region of the rat 5- hydroxytryptamine 1A receptor gene.

Present position: Professor, Sackler School of Graduate Biomedical Sciences, Tufts University

9/89-11/93 Ya Fang Liu-Ph.D. Pharmacol. Therap., McGill, MRC Scholar

Thesis: Molecular characterization of G protein coupled receptor signalling in GH4C1 pituitary and Ltk- fibroblast cells.

Present position: Prof., Pharmacology, Boston Univ., Boston, MA

1/91-12/96 Paola Lembo, Ph.D., Pharmacol. Therap., McGill, FCAR scholar, Dean’s Honours List

Thesis: Modulation of serotonin receptor signalling by protein kinase activation

Present Position: Medical Science Liaison at Abbvie Pharma Canada

5/91-5/97 Caroline Saucier, Ph.D., Pharmacol. Therap., McGill

Thesis: Identification, signaling, and agonist-induced down-regulation of endogenous serotonin-2 receptors in fibroblast cell lines: implications for cell growth.

Present position: Associate Prof., Anatomie et biologie cellulaire, Universite de Sherbrooke, Quebec

9/93-2/01 Mohammad H. Ghahremani, Ph.D., Pharmacol. Therap., McGill

Thesis: G protein specificity of dopamine D2S receptor signaling in cell growth and proliferation.

Present position: Professor in Molecular Pharmacology, Dept of Pharmacology & Toxicology, Faculty of Pharmacy, Tehran Univ. of Medical Sciences, Tehran, Iran.

3/00-6/02 Behzad Banihashemi, M.Sc., Cell. Mol. Medicine, U. of Ottawa

Thesis: Distinct roles of Gi/o protein subunits in signaling by dopamine D2S receptors in rat pituitary cells.

Present position: MD, University of Toronto

9/02-1/04 Amanda Cockburn, M.Sc., Cell. Mol. Medicine, U. of Ottawa (NSERC Scholar)

Thesis: Estrogen regulation of the human 5-HT1A receptor gene.

Present position: Veterinarian, Hudson Animal Hospital

5/97-3/04 Sylvie Lemonde, Ph.D. Cell. Mol. Medicine, U. of Ottawa (CIHR studentship)

Thesis: Transcriptional regulation of the human 5-HT1A receptor gene: implication in major depression and suicide.

Present position: M.D., Radiology, University of Ottawa

9/04-8/06 Ariel Burns, M.Sc. Neuroscience, U. of Ottawa (NSERC scholar; Award of Excellence)

Thesis: 5-HT1A autoreceptor regulation and functional polymorphisms that modify the serotonin system and their association with depression and schizophrenia.

Present position: M.D., Dermatology, University of Ottawa

9/04-12/06 Federico Remes Lenicov, M.Sc. Neuroscience, U. of Ottawa (Award of Excellence)

Thesis: Transcriptional regulation of tryptophan hydroxylase 2.

Present position: Ph.D. student, National Institute of Microbiology, University of Buenos Aires, Argentina

9/04-2/07 Ariel M. Wilson, M.Sc. Neuroscience, U. of Ottawa; Ph.D. U de Montreal

Thesis: The effects of TNF-IP, a Gi3-interacting protein, on dopamine D2S receptor signaling in Balb/c cells.

Present position: Post-doctoral Fellow, Przemyslaw (Mike) Sapieha (supervisor), U. de Montréal, Montreal, QC

1/99-2/07 Neena Kushwaha, Ph.D. CMM Program, U. of Ottawa, CIHR Scholar

Thesis: Characterization of the G-protein coupling domains of the 5-HT1A receptor.

Present Position: Section Head (Biotechnology) - Canadian Intellectual Property Office (CIPO)

5/01-7/07 Anastasia Rogaeva, Ph.D. NSC Program, U. Ottawa. K.M. Hunter/CIHR Doctoral Research Award; OGS Scholar

Thesis: Freud-1, a Novel Regulator of the Dopamine D2 and Serotonin 1A Receptor Genes.

Present Position: Policy Analyst, Workplace Hazardous Materials Directorate, Health Canada, Ottawa

6/05-1/08 Houman Nafisi (M.D., Tehran), M.Sc., NSC Program, U. Ottawa. OGS Scholar; M.D., University of Toronto

Thesis: RASA3: A novel effector of inhibitory G protein signaling

Present position: Clinical Assistant Professor, Dept. of Pathology and Laboratory Medicine, Royal Columbian Hospital, UBC

1/04-2/08 Kirsten X. Jacobsen, Ph.D. CMM Program, U. Ottawa, NSERC, OMHF Scholar

Thesis: Developmental Regulation of the Monoamine Fear Circuitry

Present Position: Manager, Biosafety Risk Assessment, Pathogen Regulation Directorate, Public Health Agency Canada, Ottawa

5/05-6/08 Kimberly Galaraga, M.Sc. NSC Program, U. Ottawa

Thesis: Regulation of 5-HT1A Repressor Human Freud-1/CC2D1A by Calcium/Calmodulin Sensitive Phosphorylation

Present Position: Teaching

9/99-6/08 Mahmoud Hadjighassem (M.D., Tehran), Ph.D. NSC Program, U. Ottawa, Iranian Scholarship

Thesis: Freud-2/CC2D1B, a new member of the family of transcriptional repressors of the 5-HT1A receptor gene.

Asst. Professor, Cellular and Molecular Research Center (CMRC), Iran University of Medical Science (IUMS), Tehran-Iran

9/06-11/08 Ben Laliberté, M.Sc. NSC Program, U. Ottawa. NSERC Scholar.

Thesis: Activation of Gi3 and interacting protein, TNFAIP8, inhibits TNF-induced death and promotes transformation in mouse fibroblast

Citizen Service Officer, Service Canada

6/06-7/09 Jon Urben, M.Sc., NSC Program, OGSST Scholar

Thesis: Interaction of protein phosphatase 2A with the serotonin-1A receptor.

Senior Project Manager, Maxxam Analytics, Ottawa

1/03-6/10 Margaret Czesak, Ph.D., CMM Program, OGSST Scholar, CIHR Scholar

Thesis: Transcriptional Regulation of the 5-HT1A Receptor Gene by Deformed Autosomal Regulatory Factor 1

Senior Policy Analyst, Program Development, Health Canada

9/08-12/10 Yi Yuan Zhou, M.Sc.. NSC Program, UOttawa

Thesis: Structural determinants of 5-HT1A receptor interaction with Galpha-i subunits

MD, Case Western Reserve University, Cleveland OH

9/08-1/11 Xun (Carrie) Ma, M.Sc. NSC Program, UOttawa

Thesis: RASA3, a key player in Dopamine-D2S receptor-mediated MAPK signaling

Clinical Research Assistant II, OHRI, Univ. of Ottawa

9/07-4/11 Tatiana Souslova, Ph.D. NSC Program, (M.Sc., UQAM), OMHF Scholar

Thesis: Transcriptional regulatory mechanisms of Freud-1, a novel mental retardation gene.

Vice-President of Medical Policy, Avalon HealthCare Solutions, Tampa FL

6/11-11/11 Bianca Plouffe, Ph.D. NSC Program, (M.Sc., USherbrooke), CIHR Scholar

Co-Supervisor with Dr. Mario Tiberi

Thesis: Comprehensive Model of G Protein-coupled Receptor Regulation by Protein Kinase C: Insight from Dopamine D1 and D5 Receptor Studies

Vice-Chancellor's Fellow, Queen’s University, Belfast

1/10-7/12 Kim A. Mirédin, M.Sc. NSC Program

Thesis: The transcriptional repressor CC2D1A/Freud-1 interacts with the chromatin remodeling protein Brg1

UX Researcher at DFFRNT.ca

1/12-7/14 Chao Chang, M.Sc. NSC Program, Audrey Grant Fellowship, Parkinson’s Research Consortium.

Thesis: Functional Studies of Dopamine-D2S Receptor Signaling through the RASA3 Pathway

Ph.D. candidate, Artur Kania lab, Jacques-Gauthier scholar. IRCM, McGill University

9/12-12/14 Christine Luckhart, M.Sc. NSC Program.

Thesis: Functional Studies of the 5–HT1A Autoreceptor in Mice

Account Manager, Canada, Noldus Information Technology Inc.

6/14-11/15 Hei Sio (Mabel) Ao, M.Sc. NSC Program.

Co-supervisor with Dr. Michael Schlossmacher

Thesis: Investigation of Cis and Trans-acting Transcriptional Regulatory Factors and Signaling Pathways of Parkin

Associate Service Fellow, Centers for Disease Control, USA

9/13-11/15 Irshaad Hashim, M.Sc. NSC Program.

Thesis: The Effect of Freud-1/CC2D1A Knockout on EGF Receptor Activation

Law Student, UOttawa

9/12-2/16 Tristan Joshua Philippe, M.Sc. NSC Program.

Thesis: Deaf1 and MeCP2 interact to coordinately regulate 5-HT1A receptor gene expression.

Ph.D. candidate, UBC

9/14-6/17 Valerie Turcotte-Cardin, M.Sc. NSC Program

Thesis: The Role of the 5-HTlA Autoreceptor in Response to Antidepressant Treatment

Ph.D. candidate, University of Ottawa

5/13-10/17 Faranak Vahid-Ansari, Ph.D. NSC Program, CPSR Studentship.

Thesis: Altered serotonin regulation in genetic and post-stroke models of anxiety and depression

Post-doctoral Fellow, UOttawa

**Continuing Students**

9/16 - Min Zhang, Ph.D. Candidate, Canadian Partnership for Stroke Recovery Studentship; Ontario Graduate Scholarship; UOttawa BMRI Scholar

4/21- Geneviève Lefebvre, M.Sc. Candidate (co-supervised with Dr. Marie-Claude Audet)

9/21- Sara Asgharzadeh, Ph.D. Candidate

**Research Technicians:**

5/96 - Mireille Daigle

6/98-9/02 Naghmeh (Melody) Sajedi

2/06-3/08 Jin Lu

**Visiting Students:**

1/92-8/93 Isabelle Bouchelet

9/96-8/97 Roland Halil

8/97-9/97 Mohamed Abdouh, Kouassi Lab, U. de Montreal

1/03 Ousmane N. Diallo, Kouassi Lab, U. de Montreal

1/10-5/10 Aaron Coutino, Sanofi Aventis Challenge Winner

9/10-5/11 Jeremy Soo, UROP Awardee

9/11-9/13 Dylan Smith, Knott Lab, IMHR

1/12-9/14 Joelle Choueiry, Knott Lab, IMHR

1/18-5/18 Nathan Biniam, Sanofi Biogenius Canada Winner

**Undergraduate Honours Students:**

1/03-5/03 Clelia Tommi

1/04-6/04 Setareh Rouhani

6/04-5/05 Kimberly Galaraga

6/06-5/07 Roger Soloshy

9/08-5/09 Mariam Deria

9/08-5/09 Alexander Power

9/10-5/11 Georges Nasrallah (Awarded Outstanding Research Project, Biopharmaceutical Science)

9/11-5/12 Jeremy Soo (Awarded Outstanding Research Project, Biopharmaceutical Science)

9/12-5/13 Irshaad Hashim

1/14-5/14 Camille Laganiere, UOttawa Co-op student

6/14-8/14 Valerie Cardin, UQ-Trois Rivieres

9/14-5/15 Danika Cziranka-Crooks, Carleton

1/15-5/15 Rosalie Gauthier, UQ-Trois Rivieres

9/15-5/16 Emerson Harkin

5/16-8/16 Vicky Legaré, UQ-Trois Rivieres

9/17-4/18 Shukria Ahmadi

9/19-5/20 Amin Zahrai (TMM-Honours)

9/19-5/20 Emily Robson (TMM-Honours)

9/20-5/21 Nathan Biniam

9/21-5/22 Margherita Bastianelli

**Postdoctoral Fellows**

5/93-12/97 Stephen J. Morris, Ph.D.

Present position: Senior Director of Research and Innovative Drug Development at Pharmascience Inc., Montreal

11/97-1/02 Xiaoming Ou, Ph.D., OMHF Fellow

Associate Professor, University of Mississippi, Jackson, MS

Deceased, 8/13

4/99-4/00 Hamed Jafar-Nejad, M.D.

Present position: Associate Professor, Baylor College of Medicine, Houston, TX.

9/00-9/02 Gele Liu, M.D., Ph.D.

Present Position: Professor, Rush Medical College, Rush University, Chicago, United States

6/00-9/03 Helen Mao, M.D., Ph.D.

Present position: Drug Evaluation Officer, TPD Oncology, Health Canada.

1/02-2/04 Christopher Bown, Ph.D., McMaster Univ., OMHF Fellow

Present position: Partner, Patent Agent, Gowling WLG, Ottawa.

3/03-2/04 Mohammad Farajollahi, M.D., Ph.D., Iranian Fellowship

Present position: Professor, University of Tehran, Iran

6/04-8/06 Irit Itzhaki Van Ham, Ph.D. University of Tel Aviv

Present position: Founder, Olliane Ltd.; Founder and CTO, ToeFX Inc., Toronto, Ontario

9/04-7/05 Jordanna Bermack, Ph.D. McGill University, Montreal, Quebec

Present position: Freelance Medical Writer, Jordanna Bermack Medical Communication; Instructor, Concordia University, Montreal

10/06-6/07 Tera Mosher, Ph.D., University of Alberta

Present Position: Patents Evaluation, Government of Canada

9/07-1/13 Brice Le François, Ph.D. University of Ottawa

Present Position: Scientist, R & D Microbiome, DNA Genotek, Ottawa

8/08-7/09 Lina Almarestani, Ph.D. McGill.

Present Position: Assistant Professor, Rochester Inst. Technology, Dubai

1/08-5/09 Mahmoud Hadjighassem, M.D., Ph.D. University of Ottawa

Present position: Associate Professor, Tehran University of Medical Sciences | TUMS · Brain and Spinal Injury Repair Research Center. Iran

1/11-9/13 Laura M. Fiori, Ph.D. McGill University

Present position: NARSAD Young Investigator, McGill University

3/15-4/17 Ginette J. Hupé, Ph.D. University of Ottawa

Present Position: Greenspace Protection Organizer, Ecology Ottawa

10/17- Faranak Vahid-Ansari, Ph.D. University of Ottawa

Canadian Partnership for Stroke Recovery Research Fellow, UOttawa

11/18-11/19 Konrad Ricke, Ph.D. University of Koln, Germany (co-supervisor with Dr. Alexandre Stewart)

Present Position: Post-doctoral Fellow, UOttawa

**Visiting Scientists:**

2/98-4/98 Mohammad Abdouh

3/98-12/98 Peihua Cheng, M.D.

12/98-3/99 Reza Farahani. Ph.D.

6/99-6/00 Juan-Hong Meng, Ph.D.

6-12/99 Fatima Admiss, M.D.

3/03-2/04 Mohammad Farajollahi, Ph.D., Professor, Iran

3/2010 Manimegala Mathialagan

12/10-10/11 Mohammad H. Ghahremani, Ph.D., Professor, Iran

6/12-5/13 Mousa Sahebgharani, Ph.D., Professor, Iran

7/14-8/14 Bernadetta Szewczyk, Ph.D., Professor, Poland

6/15-9/15 Ania Serefko, Ph.D., Professor, Lublin, Poland

9/15-10/15 Bernadetta Szewczyk, Ph.D., Professor, Krakow, Poland

**Summer and Undergraduate Students:**

5-8/90 Alain Charest

5-8/91 John Yantsulis

5-8/92 John Yantsulis

5-8/93 Jasvinder Atwal

5-8/94 Kyra Lee

6-7/95 Christine Wee

6-8/97 Asif Doja

6-8/98 Stephen Uttley

6-8/99 Nadine Gauthier

6-8/00 David Cassault

6-8/00 Andrea Maitland

6-8/01 Hong Ruan, M.Sc.

6-8/01 Behnam Banihashemi

6-8/02 Aya Goto, M.Sc. (Univ. of Toronto M.D. Summer Studentship)

6-8/02 Shannon Harwood

6-8/03 Jason Bailey (Univ. of Ottawa M.D. Summer Studentship)

6-8/03 Ariel Wilson

6-8/03 Shannon Harwood

6-8/03 Alison Lin (High School Aventis Biotechnology Challenge Awardee)

4-6/04 Behzad Banihashemi, M.Sc., Medical Research Rotation

5-8/04 Aniss Admiss

5-8/04 Ariel Wilson, B.Sc.

5-8/04 Amanda Cockburn, M.Sc.

6-8/04 Erica Peterson, M.Sc. (Univ. of Ottawa Medical Rotation Scholarship)

6-8/04 Sylvie Lemonde, Ph.D. (Univ. of Ottawa Medical Rotation Scholarship)

5-8/05 Aniss Admiss

6-8/05 Yalda Sedaghat

6-8/05 Maya Arbach (High School Aventis Biotechnology Challenge Awardee)

6-8/06 Heather Kooiman

6-8/06 Roger Soloshy

6-8/06 Maya Arbach

5/06 Aniss Admiss

6-8/07 Maya Arbach

6-8/07 Mariam Deria (NSERC Summer Studentship)

6-8/07 Georges Nassrallah (NSERC Undergraduate Research Scholarship)

7-9/07 Dominik Steubl (Univ. of Ottawa Medical Exchange Scholarship)

6-8/08 Yi Yuan Zhou

6-8/08 Mariam Deria (NSERC Summer Studentship)

5-8/08 Georges Nassrallah (NSERC Summer Studentship)

5-8/09 Georges Nassrallah (NSERC Summer Studentship)

2008-9 Alexander Power

1-5/10 Aaron Coutino (High School Aventis Biotechnology Challenge Awardee)

5-8/10 Georges Nassrallah (NSERC Summer Studentship)

5-8/10 Jeremy Soo (NSERC Summer Studentship)

6-8/10 Kirstin Perdrizet (Univ. of Ottawa M.D. Summer Studentship)

9/10-3/11 Jeremy Soo (UROP Scholarship)

6-8/11 Jeremy Soo

5-8/12 Jeremy Soo

5-8/12 Irshaad Hashim

3/12-5/13 Alina Beliavsky (Univ. of Ottawa M.D. Rotation Student)

6-8/12 Tristan Joshua Philippe

7-8/12 Vikrant Raina

9/12-5/13 Irshaad Hashim (Honours student)

5-8/14 Elise Bonnema

6-8/14 Olivia Margie (Univ. of Ottawa M.D. Summer Studentship)

6-8/15 Emerson Harkin (NSERC Summer Studentship)

9/15-5/16 Emerson Harkin (Honours Student)

5/16-5/17 Anne-Sophie Sack (Honours student)

5/16-9/17 Amin Zahrai

5/17-9/17 Shukria Ahmadi

6/17-8/17 Jessica Bauer (MD Internship, UCD, Dublin)

9/17-5/18 Amin Zahrai (UROP Scholarship)

9/17-5/18 Shukria Ahmadi (Honours student)

5/18-9/19 Amin Zahrai

7/18-8/18 Nathan Biniam (Sanofi Biogenius Canada awardee)

7/18-8/18 Julia Watson (UOttawa Undergraduate Research Scholar)

6/19-8/19 Nathan Biniam (Sanofi Biogenius Canada awardee)

6/19-8/19 Julia Watson (UOttawa Undergraduate Research Scholar)

7/19-8/19 Erin Burnley (UOttawa Undergraduate Research Scholar)

5/22-8/22 Margherita Bastianelli

5/22-8/22 Mylene Therrien

**Graduate Courses:**- **McGill University** (Topics covered are in parentheses)

1990/92 Principles of Pharmacol. (G proteins)

6 h/yr 549-602D

1992 CNS Pharmacol. (Dopamine & 5-HT receptors)

12 h/yr 549-703A

1990/93 Endocrine Pharmacol. (Pituitary: receptor signalling, transcription factors,

differentiation)

9 h/yr 549-714B

1991 Developmental Pharmacol. (Drosophila learning mutants)

4 h/yr 549-713A

1991 Molecular Pharmacol. Course Coordinator (Receptors, Ca, G proteins, cAMP)

30 h/yr 549-707B

1994 Molecular Pharmacol. Course Coordinator (Intro, Receptors, G proteins)

40 h/yr 549-707B

1994/95 Principles of Pharmacol. Course Coordinator

40 h/yr 549-602D

1991/95 Radiation Safety Course

4 h/yr

1990/95 Orientation Program

1 h/yr

1997 Molecular Pharmacology/Receptors and Signal Transduction

Topic: G-protein-coupled receptors: G Proteins

Rating: avg. 1.54

**Graduate Courses: University of Ottawa**

1996, 1998 Dept. of Anatomy & Neurobiology (Fundamentals of Neurobiology I)

4 h/yr ANA 5402

1996-2004 Dept. of Cellular and Molecular Medicine (Physiology)

10 h/yr CMM 5211

1998, 1999 Pharmacology, Methodology

10 h/yr PHA 8102

1998, 2001,2004 Molecular Pharmacology (Coordinator)

60 h CMM 8112 Rating 1.5, 1.5, 1.5

2000-2010 Cellular and Molecular Neuroscience (Coordinator)

60 h NSC 5402 Rating 1.5-2.0

2002, 2004, 2006, 2008 NSC8105 Molecular Biology of the Neuron

3 h Rating 1.55, 1.55

2006-present Cellular and Molecular Psychiatry (Coordinator)

60 h NSC5106

2007, 2009 Grant writing/ PhD Comprehensive exam workshop (3 h)

2009 NSC8103 Developmental Neuroscience (3 h)

**Graduate Courses: Carleton University**

2001 Seminars In Neuroscience

3h/yr Psych 620

**Graduate Courses: IBRO**

12/2000 40 h IBRO Intensive Course: Receptor Mechanisms, IVIC, Caracas, Venezuela

5/2010 6 h 4th Canadian IBRO School of Neuroscience: Roles of serotonin-1a receptors in depression, antidepressant therapy and neurogenesis: Genotyping lab. OHRI, Ottawa.

**Canadian Congress of Neurological Sciences. Ottawa, ON.**

2005 3 h Regulation of serotonin and dopamine systems in health and disease.

**Medical Courses: McGill University**

1991-95 549-221M Med. Pharmacol. (Small Group)

(Gene therapy; drugs and 12 h/yr disease prevention)

2/12/2013 Crash Course in Psychiatry (Module K **NEUROSCIENCE AND NEUROBIOLOGY**), Neurobiology of the Serotonin System

2/25/2014 Crash Course in Psychiatry (Module K **NEUROSCIENCE AND NEUROBIOLOGY**), Neurobiology of the Serotonin System

**Dentistry: McGill University**

1991-95 549-219P Dental Pharmacology

8 h/yr (Antibiotics)

**Undergraduate: McGill University**

1992 549-562A General Pharmacol. I Course Coordinator

15 h/yr (Dopamine Receptors/Parkinson)

1993 549-562A General Pharmacol. I

5 h/yr (Dopamine/5-HT/Depression)

1990-94 549-563B General Pharmacol. II

5 h/yr (Insulin/hypoglycmics)

1993 549-563B General Pharmacol. II Course Coordinator

30 h/yr (Insulin/hypoglycemics/pituitary/male-female reproductive)

**Medical: University of Ottawa**

1998/9 Department of Psychiatry, Mind Block, 2nd Year Medicine

“Drugs used in Affective Disorders” 2 hr/yr

3/11/2013 Department of Neurology, Residents’ Talk

“Neurobiology of the Serotonin System”

**Lab Rotation:**

1991/2 Heba Abdel-Baset (full yr.) 549-599D

1991 Alain Charest (half yr.)

1992 Robert Haigis (half yr.)

**Thesis Defense Committees**

1. Poulter, Micheal O., Ph.D. INTERNAL EXAMINER. The role of potassium conductances in regulating the excitability of myelinated axons. Department of Pharmacology and Therapeutics, McGill University, 4/30/90.
2. Cartier, Mireille, Ph.D. INTERNAL EXAMINER. The bacterial asparagine synthetase gene as a dominant and amplifiable marker in mammalian cells. Department of Biochemistry, McGill University, 1/9/91.
3. Rozakis-Adcock, Maria, Ph.D. INTERNAL EXAMINER. Structure/function analysis of the human prolactin receptor. Department of Experimental Medicine, McGill University, 11/20/92.
4. Bayly, Suzanne F., Ph.D. INTERNAL EXAMINER. The role of androgens in the hypothalamo-pituitary-testicular axis. Department of Pharmacology and Therapeutics, McGill University, 1/20/93.
5. Odeh, Rula, M.Sc. INTERNAL EXAMINER. Thymopoietin and MyoD: their effects on the muscle nicotinic acetylcholine receptor. Department of Pharmacology and Therapeutics, McGill University, 8/93.
6. Betito, Katia, Ph.D. INTERNAL EXAMINER. Glucocorticoid receptors in the adrenal medulla: characterization, regulation and function. Department of Pharmacology and Therapeutics, McGill University 9/3/93.
7. Afar, Ronith, Ph.D. INTERNAL EXAMINER. Regulation and function of neuronal nicotinic acetylcholine receptors. Department of Pharmacology and Therapeutics, McGill University, 10/1/93
8. Babey, Anna Maria, Ph.D. INTERNAL EXAMINER. Characterization of the time course of the effects of theophylline administration on adenosine receptors in cultured murine neuroblastoma cells. Dept of Biology, McGill. (1/13/95).
9. Ali, Ambereen, Ph.D. INTERNAL EXAMINER. Human leukotriene C4 synthase: a unique homodimeric and phosphoregulated glutathione S-transferase. Department of Pharmacology and Therapeutics, McGill University, 4/20/94.
10. van Rossum, Denise, Ph.D. INTERNAL EXAMINER. Pharmacological characterization and distribution of multiple binding sites for calcitonin gene-related peptide and homologues. Dept. of Pharmacol., McGill, 1/19/95
11. El-Bizri, Hiba, Ph.D. INTERNAL EXAMINER. An investigation fo the mechanism(s) underlying central nicotinic blockade exerted by chlorisondamine in rat. Dept. of Pharmacol., McGill 5/31/95
12. Rouleau, Julie, Ph.D. INTERNAL EXAMINER. Regulation of the mouse DNA methylase gene expression. Dept. of Pharmacol. , McGill 8/25/95.
13. Robert MacLeod, Ph.D. INTERNAL EXAMINER. DNA methylation and oncogenesis. Dept. of Pharmacol. , McGill 11/3/95.
14. April Lew, Ph.D. EXTERNAL EXAMINER. Inhibitory control of the prolactin gene by D2 dopamine receptors: study of cell surface and nuclear mechanisms. Dept. of Clinical Biochemistry, Univ. of Toronto 4/24/96.
15. Constantia Petrou, Ph.D. EXTERNAL EXAMINER. Internalization of TRH receptors. Dept. of Toxicology, Harvard School of Public Health, Boston, MA 5/9/96.
16. Ricky Cohen, Ph.D. INTERNAL EXAMINER. Rat brain oligodendrocytes express muscarinic and adrenergic receptors. Dept. of Pharmacol. , McGill. 11/25/96.
17. Serge Moffett, Ph.D. EXTERNAL EXAMINER. Role de la palmitylation dans le processus de desensibilisation rapide du recepteur b2-adrenergic. Dept. De Biochimie, U. de Montreal. 5/7/97.
18. Marcin Boruk, M.Sc. INTERNAL EXAMINER. Functional interaction between the glucocorticoid receptor and C/EBPbeta. Dept. Of Biochemistry, University of Ottawa 9/19/97.
19. David L. Boone, Ph.D. INTERNAL EXAMINER. The Role and Regulation of Deoxyribonuclease I in Rat Ovarian Apoptosis. Dept. Of Cellular and Molecular Medicine, University of Ottawa 10/03/97.
20. Rong Qiu. Ph.D. EXTERNAL EXAMINER. Molecular Basis for the Phenotype of Forskolin-resistant Y1 Adrenal Cells. School of Graduate Studies, University of Toronto 07/01/98.
21. Wielowieyski, Paul. M.Sc. INTERNAL EXAMINER. Alternative Splicing and Genomic Organization of the SLAP Gene. Dept. of Pharmacology, University of Ottawa 07/05/98.
22. Abraham, Ninan. Ph.D. INTERNAL EXAMINER. Consequences of loss of the murine dsRNA-dependent protein kinase, PKR, by natural mutation or genetic ablation. Biochemistry, University of Ottawa 12/06/98.
23. Obeidat, Akef S. Ph.D. EXTERNAL EXAMINER. Assessing acute neuronal damage induced by O2/glucose deprivation in hippocampal brain slices by measuring intrinsic optical signals. Dept. of Anatomy and Cell Biology, Queen’s University, Kingston 8/30/99.
24. Boudreau-Larivière, Celine. Ph.D. INTERNAL EXAMINER. Role of neural factors in the regulation of acetylcholinesterease expression in mammalian skeletal muscle cells. Dept. of Cellular and Molecular Medicine, University of Ottawa 8/26/99.
25. Ali, Saima. M.Sc. Regulation of the cell surface expression and the function of GABABR1a by GABABR2. EXTERNAL EXAMINER. Institute for Medical Sciences, University of Toronto. 1/17/00
26. Krupa, Andrea. M.Sc. INTERNAL EXAMINER. Regulation of acetylcholinesterase expression in neuronal cells. CHAIR. Dept. of Cellular and Molecular Medicine, University of Ottawa 7/27/00.
27. Crocker, Stephen J. Ph.D. INTERNAL EXAMINER. Novel therapeutic strategies for the treatment of Parkinson’s disease. Dept. of Cellular and Molecular Medicine, University of Ottawa 12/18/00.
28. Chatzis, George. M.Sc. INTERNAL EXAMINER. Biochemical properties of the muscle-specific Ca2+/calmodulin-dependent protein kinase II  isoform. Dept. of Cellular and Molecular Medicine, University of Ottawa 7/20/01.
29. Bonicalzi, Marie-Eve. M.Sc. INTERNAL EXAMINER. Role of exon2-encoded -domain of the von Hippel-Lindau tumor suppressor protein. Dept. of Cellular and Molecular Medicine, University of Ottawa 8/01.
30. Mbisa, J.L. Ph.D. CHAIR. Investigation of the virus-host cell interactions involved in reovirus inclusion formation. Dept. of Biochemistry, Microbiology, Immunology, University of Ottawa 3/02.
31. Ase, Ariel R. Ph.D. EXTERNAL EXAMINER. Serotonin neurotransmission in 5-HT1A and 5-HT1B receptor knockout mice. Dept. Pathologie & Biologie Cellulaire and Physiologie, Université de Montréal, 4/02.
32. Sutcliffe, Ian. M.Sc. INTERNAL EXAMINER. The effects of moderate hypothermia on IL-1b and ischemic induced cerebral inflammation in C57/B16 mice. Dept. of Cellular and Molecular Medicine, University of Ottawa, 7/02.
33. Tumova, Katerina. M.Sc. INTERNAL EXAMINER. Uncovering the molecular interplays of dopamine D1-like receptor activation. Dept. of Cellular and Molecular Medicine, University of Ottawa, 10/29/02.
34. Sy, Candace. M.Sc. CHAIR. INTERNAL EXAMINER. The cloning of NOTCH1 and GROOVE in NOTOPHTHALMUS VIRIDESCENS, the red spotted newt, and an examination of the expression profiles of both genes in the regenerating forelimb through real time RT-PCR. Dept. of Cellular and Molecular Medicine, University of Ottawa, 8/20/03.
35. Guzzo, Rosa. Ph.D. INTERNAL EXAMINER. Sarcolemmal membrane associated proteins: Structure function analyses and localization studies. Dept. of Cellular and Molecular Medicine, University of Ottawa, 11/03.
36. Rahbar, R. M.Sc. INTERNAL EXAMINER Claudin tight junction: what is your function? . Dept. of Cellular and Molecular Medicine, University of Ottawa, 11/03.
37. Bissoon-Haqqani, S. Ph.D. CHAIR. Mechanisms of resistance to anti-thymidylate synthase chemotherapeutic agents in colon cancer. Dept. of of Biochemistry, Microbiology, Immunology, University of Ottawa 12/03.
38. Anton Terasmaa, Ph.D. EXTERNAL EXAMINER. Dopamine D2 receptor G protein coupling and its regulation. Karolinka Institute, Stockholm, Sweden. 1/04.
39. Sami S. Qutob, Ph.D. INTERNAL EXAMINER Isolation and characterization of colorectal cancer cell clones with a wide range of X-radiation responses. CMM, U. Ottawa. 5/11/05
40. Rafal M. Iwasiow, Ph.D. INTERNAL EXAMINER Delineating the molecular basis of subtype-specific ligand binding, G protein coupling, and signaling properties of D1 and D5 dopaminergic receptors. CMM, U. Ottawa. 10/1/04.
41. Karine Lortie, M.Sc. INTERAL EXAMINER The growth-arrest-specific gas7 protein potentiates neuronal differentiation. CMM, U. Ottawa. 8/24/04.
42. Yinglun Sheng, Ph.D. INTERNAL EXAMINER. G protein signalling and G protein coupled receptor (GPCR) pathway in Xenopus oocyte maturation. CMM, U. Ottawa. 2/14/05.
43. Ken Ma, Ph.D. INTERNAL EXAMINER. Brain natriuretic peptide gene expression and secretion following stimulation with pro-inflammatory cytokines and conditioned medium from all-activated mixed lymphocyte reactions. 12/2/04.
44. Damiano Conte, Ph.D. CHAIR. The role of the X-linked inhibitor of apoptosis (XIAP) and the cellular inhibitor of apoptosis (CIAP2) in T cell development and in an innate immune response. BMI, U. Ottawa. 10/15/04
45. Leonard, Kevin, M.Sc. INTERNAL EXAMINER. XIAP/X-linked inhibitor of apoptosis gene therapy protects photoreceptors in animal models of retinitis pigmentosa. CMM, U. Ottawa. 7/22/05
46. Tania F. Gendron, Ph.D. INTERNAL EXAMINER. The role of cyclooxygenase-2 in neurotoxicity and preconditioning-induced neuroprotection. CMM, U. Ottawa. 9/12/05
47. Patrice D. Smith, Ph.D. INTERNAL EXAMINER. Mechanisms of dopaminergic neuron loss in models of Parkinson’s disease. Implication for novel therapeutic intervention. NSC, U. Ottawa. 8/05
48. Astra Chang, M.Sc. INTERNAL EXAMINER. Intracellular signalling involved in the regulation of atrial natriuretic factor secretion. CMM, U. Ottawa. 6/06
49. Ian Hester, M.Sc. INTERNAL EXAMINER. HALO, a novel bHLH-PAS protein induced by neuronal preconditioning and ischemia, mediates cytotoxicity through BAX gene upregulation. CMM, U. Ottawa. 6/06
50. Crystal Wylie, M.Sc. CHAIR. P107 negatively regulates the neural precursor pool by directly repressing Hes1 transcription. CMM, U. Ottawa. 2/06.
51. Elias Daher, M.Sc. CHAIR. Phosphorylation of Diacylglycerol Kinase-ζ by Protein Kinase C Regulates its Interaction with the PDZ Domain of syntrophins. CMM, U. Ottawa. 4/25/06WS
52. Tuong-Vi Tran, Ph.D. INTERNAL EXAMINER. Candidate genes polymorphisms of the serotonergic system and personality traits in obsessive-compulsive disorder and trichotillomania. CMM, U. Ottawa. 11/24/06
53. Andre Fortin, Ph.D. INTERNAL EXAMINER. P53 target genes in the regulation of neuronal cell death. CMM, U. Ottawa. 12/1/06
54. Hassan Gorji, M.Sc. CHAIR. Role of adenylyl cyclase type 5 in the regulation of dopamine-D3 receptor phosphorylation. NSC, U. Ottawa. 8/23/06
55. Claudia Jomphe, Ph.D. EXTERNAL EXAMINER. Regulation de la fonction du recepteur dopaminergique D2 dans les neurones dopaminergiques. Univ. de Montreal. 11/17/06
56. Stephen Bailin, Ph.D. CHAIR. Searching for IRES. BMI, U. Ottawa. 12/5/06
57. Haibei Hu, Ph.D. EXTERAL EXAMINER. Investigating the role of mutant huntingtin in altered transcription in Huntington’s disease. Dept. of Pharmacology, Dalhousie University, 7/31/07
58. Louis Rivero Lopez, M.Sc. INTERNAL EXAMINER. Remodeling of the nucleolar proteome during anaerobic metabolism. CMM, U. Ottawa. 8/07
59. Sheila Costford, Ph.D. CHAIR. The Roles of AMP – Activated Protein Kinase and Uncoupling Protein-3 in Skeletal Muscle Fuel Metabolism. BMI, U. Ottawa. 4/18/08.
60. Scott Ryan, Ph.D. INTERNAL EXAMINER. Molecular mechanisms underlying platelet activating factor-mediated neuronal death. BMI, U. Ottawa. 7/24/08
61. Hanan Abramovici, Ph.D. INTERNAL EXAMINER. Diacylglyerol kinase  regulates Rac1-mediated remodeling of the actin cytoskeleton. NSC, U. Ottawa. 8/24/08
62. Michelle Zenko, M.Sc. INTERNAL. Effects of dopamine-D1 and D2 receptor agonists on cognitive functions in rats. NSC. U. Ottawa. 10/17/08
63. Keyvan Sedaghat, Ph.D. INTERNAL. Delineation of he molecular mechanisms underying the regulation of D1 dopaminergic receptor by G protein receptor kinases 2 and 3. CMM. U. Ottawa. 9/22/08
64. Farnaz Forghani, Ph.D. EXTERNAL. The proximal promoter of myelin basic protein drives transcription specifically in myelinating oligodendrocytes. Dept. of Neurology and Neurosurgery, McGill Univ.
65. R. Mitchell Baldwin, Ph.D. INTERNAL. The role of protein kinase C iota in glioblastoma multiforme. Biochemistry Program, Univ. of Ottawa. 10/08
66. Nicole LeGrand, M.Sc. INTERNAL. Mcl-1 is a key regulator of apoptosis in neuroal precursor cells and autophagy in postmitotic neurons. NSC Program, Univ. of Ottawa. 12/08
67. Clayton Crawley, Ph.D. CHAIR. Interplay of Ku Antigen and Poly(ADP-Ribose) Polymerase-1 in the Regulation of Non Homologous DNA-end Joining. BCH Program, University of Ottawa, 4/8/09.
68. Jesse Richardson-Jones, Ph.D. EXTERNAL. The Role of Serotonin 1A Auto- and Heteroreceptors in Anxiety and Depression: Insights from a Novel Genetic Mouse System. Columbia University, NY. June 16, 2009.
69. Jean-Phillipe D’Aoust, M.Sc. INTERAL. Identifying the roles of the amino terminal and first transmembrane regions of human D1-like dopaminergic receptors using mutagenesis. NSC Program, Univ. of Ottawa. June 29, 2009.
70. Xuesheng Li, M.Sc. INTERNAL. Role of NR2A- and NR2B-containing NMDA receptors in innate anxiety. NSC Program, Univ. of Ottawa. June 22, 2009.
71. Xiaodi Yang, M.Sc. INTERNAL. Regulation of dopamine-D3 receptor and adenylyl cyclase 5 signaling complex by phosphatases. NSC Graduate Program, UOttawa. October 7, 2009.
72. Xianliang Rui, Ph.D. EXTERNAL. Transcriptional Regulation of the Mouse Adenylyl Cyclase Type 4 (Adcy4) in Y1 Adrenocortical Tumor Cells. Dept. of Pharmacology, Univ. of Toronto. October 27, 2009.
73. Louise Gariepy, Ph.D. INTERNAL. sK-ATP channels protect skeletal muscle against fibre damage during fatigue by preventing excessive increases in [Ca2+]i. CMM Program, Univ. of Ottawa. March 4, 2010
74. Philippe Duquette, M.Sc. INTERNAL. Loss of LMO4 in the retina leads to reduction of GABAergic amacrine cells and functional deficits. NSC Program, Univ. of Ottawa. 5/4/11
75. Jean-François Borduas, M.Sc. INTERNAL. Modulation of voltage-gated calcium channels by group II metabotropic glutamate receptor in the paraventricular nucleus of the thalamus. CMM program, Univ. of Ottawa. 3/15/11
76. Yasmilde Rodriguez Gonzalez, Ph.D. INTERNAL. Cited2 and PFTAIRE, two ways in which cyclin dependent kinases impact on development and degeneration in the central nervous system. NSC Program, Univ. of Ottawa. 12/7/10
77. Ramez Ghanbari, Ph.D. INTERNAL. Impact of medications used the in the treatment of mood disorders on monoaminergic systems. NSC Program, Univ. of Ottawa. 2/9/11
78. Peter Tsen, M.Sc. INTERNAL. Electrophysiological studies on the impact of repeated electroconvulsive shocks on catecholamine systems in the rat brain. NSC Program, Univ. of Ottawa. 5/10/11
79. Olga Chernoloz, Ph.D. INTERNAL. Reciprocal interactions between monoamines as a basis for the antidepressant response potential. NSC Program, Univ. of Ottawa. 1/27/12
80. Stacey Shim, M.Sc. INTERNAL. Alterations of the monoaminergic systems in the rat brain via sodium channel blockade by sustained administration of carisbamate and lamotrigine. NSC Program, Univ. of Ottawa. September 27th, 2012
81. Maheen Ceizar, M.Sc. INTERNAL. B-cell Lymphoma-2 (Bcl-2) is an Essential Regulator of Adult Hippocampal Neurogenesis. NSC Program, Univ. of Ottawa. September 6th, 2012.
82. Leticia Sánchez-Alvarez. Ph.D. INTERNAL. Planar cell polarity genes prkl-1 and dsh-1 polarize C elegans motorneurons during organogenesis. NSC Program, Univ. of Ottawa. 10/10/12.
83. Lucas Bronicki. Ph.D. INTERNAL. Characterization of multiple exon 1 variants of neuron-specific transcriptional control of mammalian “HUD”. NSC Program, Univ. of Ottawa. 12/3/12.
84. Alexandra Sokolowski. M.Sc. CHAIR. Sigma-1 receptors modulate NMDA Receptor function. NSC Program, Univ. of Ottawa. 12/10/12.
85. Mohan Pabba, Ph.D. INTERNAL. Biochemical characterization of sigma-1 receptor mediated acute modulation of NMDA receptors in rat hippocampus. NSC Program, Univ. of Ottawa. 3/14/14
86. Lisa Julian, Ph.D. INTERNAL. Regulation of neural precursor cell fate by the E2F3a and E2F3b transcription factors. NSC Program, Univ. of Ottawa. 7/25/13
87. Zhaohong Qin, Ph.D. INTERNAL. The role of LMO4 in the regulation of hippocampal and amygdalar synaptic function. NSC Program, Univ. of Ottawa. 9/19/13
88. Zohreh Galehdar, Ph.D. INTERNAL. Role of ATF4 in neuronal death mediated by DNA damage, ER stress and ischemia-hypoxia. NSC Program, Univ. of Ottawa. 10/21/13
89. Kareem Iskandarani, M.Sc. CHAIR. Electrophysiological investigations of the effects of a subanesthetic dose of ketamine on monoamine systems. NSC Program, Univ. of Ottawa. 11/27/13
90. Nasrin Habibi-Babadi, Ph.D. INTERNAL. PNG-1, a peptide: N-glycanase limit axon outgrowth and branching in *Caenorhabditis Elegans*. NSC Program, Univ. of Ottawa. 2/27/14
91. Nicolas Lahaie, Ph.D. EXTERNAL. Mécanismes de régulation de la signalisation du récepteur GABA(B). Biochimie, Université de Montréal. 4/10/14
92. Alan James Morettin, Ph.D. CHAIR. Investigating the role of arginine methylation in breast cancer etiology. CMM Program. Univ. of Ottawa. 11/17/14.
93. Matthew Mount, Ph.D. INTERNAL. Systems regulating and inducing dopaminergic cell death in Parkinson’s disease: an analysis of signaling associated in Parkinson’s disease models. NSC Program, University of Ottawa. 12/12/14.
94. Renée Kinden, M.Sc. INTERNAL. Cannabinoids & stress: the impact of endogenous and exogenous cannabinoids on anxiety behaviors in an acute stress model. NSC Program, University of Ottawa. 7/10/15.
95. Katherine Don-Carolis, M.Sc. INTERNAL. Strengthening the DJ-1/AKT axis: role of PHLD3. NSC Program, University of Ottawa. 8/11/15.
96. Wissam Nassrallah, M.Sc. INTERNAL. Store-operated response in CA1 pyramidal neurons exhibits features of homeostatic synaptic plasticity. NSC Program, University of Ottawa. 10/23/15
97. Alexandre P. Blanchard, Ph.D. INTERNAL. The role of the glycerophosphocholine remodeling in Alzheimer’s disease. NSC Program, University of Ottawa. 11/24/15
98. Boyang Wang, M.Sc. INTERNAL. Amyloid beta peptide induces D-serine dependent NMDAR dysfunction in the mouse hippocampus. NSC Program, University of Ottawa. 12/4/15
99. Omar Ayad, M.Sc. INTERNAL. The effects of ketamine on the brain’s spontaneous activity as measured by temporal variability and scale free properties. A resting-state fMRI study in healthy adults. NSC Program, University of Ottawa. 11/19/15
100. Farzaneh Safarpour. Ph.D. INTERNAL. The role of Parkinson’s disease gene PTEN-induced putative kinase 1, PINK1 in ischemia induced neuronal injury. NSC Program, University of Ottawa. 3/07/16
101. Karah Lee, M.Sc. CHAIR. Ablation of progenitor cells does not impede motor recovery or diminish cognitive function following a focal cortical stroke. 3/11/16
102. Boyang Zhang, Ph.D. INTERNAL. Functional and Structural Insights into the First and Second Intracellular Domains for D1-Class Dopaminergic Receptors. NSC Program, University of Ottawa. 3/22/17
103. Fumika Kondo, M.Sc. INTERNAL. Can Alterations in the Temporal Structure of Spontaneous Brain Activity Serve as a Disease-Specific Biomarker for Schizophrenia? A Large Cohort fMRI Study. NSC Program, University of Ottawa. 7/17/17
104. Angelica Torres-Berrio, Ph.D. EXTERNAL. MicroRNA regulation of the Guidance Cue Receptor DCC and Susceptibility to Depression: A Translational Study. McGill University. 10/17
105. Fares Ould-Brahim, M.Sc. INTERNAL. Preconditioning of Human Neural Stem Cells with Metformin to Promote Post-Stroke Recovery. NSC Program, University of Ottawa. 11/16/17
106. Madelyn Abraham, M.Sc. INTERNAL. The Sigma-1 Receptor as an Atypical Kv1.2 Auxiliary Subunit. NSC Program, University of Ottawa. 8/17/18
107. Vanessa Bacal, M.Sc. CHAIR. The Canadian Assisted Reproductive Technologies Register (CARTR) Plus database: a validation study. EPI Program, University of Ottawa. 8/20/18
108. Angela Dykes, M.Sc. INTERNAL. Neuroprotective and restorative potential of remote ischemic conditioning following stroke. NSC Program, University of Ottawa. 6/24/19
109. Fatimah Najjar, M.Sc. INTERNAL. Depression and heart failure in male and female rats: role of inflammation and estrogens. CMM Program, University of Ottawa. 8/15/19
110. Chidiebere (Michael) Iro, M.Sc. INTERNAL. Investigation of the mechanisms of action of ketamine on the glutamate and monoamine systems. NSC Program, University of Ottawa. 10/28/19
111. Anabel Bergeron, M.Sc. CHAIR. Improving immunotherapy using vanadium-based compounds. BMI Program, University of Ottawa. 11/20/19
112. Rami Hamati, M.Sc. INTERNAL. Investigating the potential role of serotonin-2B antagonism in the antidepressant response of adjunctive aripiprazole. NSC Program, University of Ottawa. 12/2/19
113. Bradley Mischuk, M.Sc. INTERNAL. SAP102 Switches the Mechanism of D1R-Mediated ERK1/2 Activation from a PKA-Independent to PKA-Dependent Pathway. NSC Program, University of Ottawa. 9/1/20
114. Daniel N. El Kodsi, Ph.D. INTERNAL. A redox chemistry-based function for Parkinson disease-linked parkin confers direct, anti-oxidant activities in mammalian brain. NSC Program, University of Ottawa. 8/31/20
115. Melissa Filadelfi, M.Sc. INTERNAL. The Impact of Cerebral Microinfarction on Blood-Brain Barrier Permeability and Behaviour in Mice. NSC Program, University of Ottawa. 8/28/20
116. Sophie Olivia Raymond, M.Sc. INTERNAL. Involvement of the Sigma-1 receptor in neuronal cell death and Alzheimer’s disease. NSC Program, University of Ottawa. 8/20/21
117. Julia Cappelli, M.Sc. INTERNAL. Glycine Transporter-1 antagonist provides neuroprotection following stroke *in vivo*. NSC Program, University of Ottawa. 9/14/21
118. Fariba Sharmin, M.Sc. INTERNAL. The Role of PTP1B in Anxiety-Related Behaviours in hAPP-J20 and PS19 Mouse Models of Alzheimer's Disease. NSC Program, University of Ottawa. 12/03/21
119. Hedieh Habibi Khorasani, MSc. INTERNAL. Regulation of the Dopamine D3 Receptor by Adenylyl Cyclase 5. NSC Program, University of Ottawa. 4/12/22

**Ph.D. Committees (1 meeting/yr):**

1. Ruiz, Marcia, Ph.D. Purification and Characterization of Mammalian DNA Replication Proteins. Department of Biochemistry, McGill University, 4/19/93.
2. Panetta, Rosemary, Ph.D. Molecular cloning and expression of a somatostatin-28 selective receptor subtype. Department of Medicine, Neurology and Neurosurgery, McGill University, 5/11/93.
3. Mancini, Joe, Ph.D. Dept. of Biochemistry, McGill University, 1/10/95.
4. Ghamari, Masoud, Ph.D. Dept. of Physiology, McGill University, 2/20/95
5. Fuhu Wang, Dept. of Anatomy/Neurobiology, Univ. of Ottawa, 12/16/96.
6. Gilles Dubé, Dept. of Cellular and Molecular Medicine, 9/97
7. Tony Gramolini, Dept. of Cellular and Molecular Medicine, 9/97
8. Sami Qutob, Dept. of Cellular and Molecular Medicine, 2/99-5/05
9. Arsalan Haqqani, Dept. of Biochem., Microbiol., Immunol. 3/99-2003
10. Lindsay Angus, Dept. of Cellular and Molecular Medicine, 11/3/99-03
11. Michael O’Hare, Dept. of Cellular and Molecular Medicine, 8/00-6/06
12. Jing Wang, Dept. of Biochem., Microbiol., Immunol. 5/02-1/06
13. Brice Le Francois, Dept. of Biochem., Microbiol., Immunol. 8/02-9/07
14. Leticia Sanchez-Alvarez, Dept. of Cellular and Molecular Medicine, 12/06-10/12
15. Bianca Plouffe, NSC Program, 12/06-12/12
16. Caroline Schmidt, NSC Program, 1/09-9/09
17. Jean-Claude Maillet, NSC Program, 1/09-1/11
18. Mohan Pabba, NSC Program, Univ. of Ottawa, 5/09-3/14
19. Maheen Ceizar, CMM Program, Univ. of Ottawa, 1/13-9/17
20. Mohammad Ebrahimzadeh-Sarvestani, NSC Program, Univ. of Ottawa, 4/15-
21. Karim Ibraham, CMM Program, Univ. of Ottawa 9/17-
22. Arghavan Nepton, NSC Program, Univ. of Ottawa 4/22-

**Ph.D. Comprehensive Exam Committees:**

1. Fuhu Wang, Dept. of Anatomy/Neurobiology, Univ. of Ottawa, 12/16/96
2. Michael McCluskie, Dept. Of Cellular and Molecular Medicine, 12/98
3. Tony Gramolini, Dept. Of Cellular and Molecular Medicine, 9/99
4. Stephen Crocker, Dept. Of Cellular and Molecular Medicine, 9/99
5. Ethan Burnette, Dept. of Cellular and Molecular Medicine, Univ. of Ottawa, 11/99
6. Gras Prefontaine, Dept. of Biochem., Microbiol., Immunol., 8/00
7. Yinglun Shen, Dept. of Biochem., Microbiol., Immunol., 3/02
8. Tuong-Vi Tran, Dept. of Cellular and Molecular Medicine, Univ. of Ottawa, 3/02
9. Pascale Charest, Dept. de Biochimie, Univ. de Montréal 4/02
10. Tania Gendron, Dept. of Cellular and Molecular Medicine, Univ. of Ottawa, 3/03
11. Ken Ma, Dept. of Cellular and Molecular Medicine, Univ. of Ottawa, 10/03
12. Sami Qutob, Dept. of Cellular and Molecular Medicine, Univ. of Ottawa, 10/03
13. Patrice Smith, Dept. of Cellular and Molecular Medicine, Univ. of Ottawa, 04/05
14. Nicolas Lahaie, Dept. de Biochimie, U. de Montreal, 8/06
15. Scott Ryan, Dept. of Biochem., Microbiol., Immunol., 12/06
16. Pedro Muira, Dept. of Cellular and Molecular Medicine, Univ. of Ottawa, 04/07
17. Bianca Plouffe, NSC Program, Univ. of Ottawa, 12/08
18. Alexandra Pettit, BMI Program, Univ. of Ottawa, 1/09
19. Jean-Claude Maillet, NSC Program, Univ. of Ottawa, 2/10
20. Alexis Given, NSC Program, Univ. of Ottawa, 7/10
21. Lucas Bronicki, NSC Program, Univ. of Ottawa, 11/10
22. Tarek Ammar, CMM Program, Univ. of Ottawa, 8/13
23. Jagroop Dhaliwal, NSC Program, Univ. of Ottawa 12/5/13
24. Boyang Zhang, NSC Program, Univ. of Ottawa 7/29/14
25. Maheen Ceizar, CMM Program, Univ. of Ottawa 8/24/14
26. Karim Ibraham, CMM Program, Univ. of Ottawa 4/30/19
27. Si Han Li, CMM Program, Univ. of Ottawa 10/11/19
28. Maryann Chinonye Udechukwu, Health Sciences Program, Univ. of Ottawa 7/23/21
29. Maryann Chinonye Udechukwu, Health Sciences Program, Univ. of Ottawa 11/28/21

**MSc./Ph.D. Committees (1 meeting/yr):**

1. Andrea Krupa, Dept. of Cellular and Molecular Medicine, 9/23/97-6/99
2. Neena Kushwaha, Dept. of Cellular and Molecular Medicine, 9/10/97-6/98
3. Rafal Iwasiow, Dept. of Cellular and Molecular Medicine, 2/99-10/04
4. Julie Deschenes, Dept. of Cellular and Molecular Medicine, 11/99-12/06
5. Angela Hogan, Dept. of Cellular and Molecular Medicine, 4/00-6/01
6. Andre Fortin, Dept. of Cellular and Molecular Medicine, 5/00-12/06
7. Theodora Pene, Dept. of Cellular and Molecular Medicine, 5/00-6/01
8. Katerina Tumova, Dept. of Cellular and Molecular Medicine, 9/00-11/02
9. Patrice Smith, Dept. of Cellular and Molecular Medicine, 1/02-8/05
10. Ally Pen, Dept. of Cellular and Molecular Medicine, 1/03-12/07
11. Simona Wagner, Dept. of Cellular and Molecular Medicine, 12/03-5/08
12. Hossein Aleyasin, Dept. of Cellular and Molecular Medicine, 12/03-6/09
13. Astra Chang, Dept. of Cellular and Molecular Medicine, 2/04-6/06
14. Yasmilde Rodriguez, Dept. of Cellular and Molecular Medicine, 12/04-6/10
15. Keyvan Sedaghat, Dept. of Cellular and Molecular Medicine, 07/05-5/08
16. Ramez Ghanbari, NSC Program, 07/06-4/11
17. Hadi Toeg, BMI Program, 09/06-7/07
18. Michelle Zenko, NSC Program, 11/06-6/08
19. Ashleigh Mclean, NSC Program, 9/07-1/12
20. Alexis Given, NSC Program, 1/08-11/12
21. Monique Lavoie, Biology Program, 1/08-6/09
22. Xueshing Li, NSC Program, 5/08-6/09
23. Jennifer Phillips, NSC Program, 1/09-1/15
24. Fatemeh Kamkar, CMM Program, 1/09-4/13
25. Mariana Gomez-Smith, NSC Program, 1/09-5/17
26. Stacey Shim, NSC Program, 9/09-9/12
27. Andrew Charrette, NSC Program, 12/10-6/12
28. Rafael Godoy, Biology Program, 1/11-6/15
29. Sean Geddes, NSC Program, 1/11-10/12
30. Boyang Zhang, NSC Program, 1/11-6/19
31. Boyang (Jack) Wang, 4/13-12/15
32. Omar Ayad, 7/13-11/15
33. Renee Kinden, 1/14-7/15
34. Natsuho Obara, 2/15-11/15
35. Julia Kirby, 6/15-9/16
36. Sudhir Karthikeyan, 3/15-9/17
37. Fumika Kondo, 11/15-5/17
38. Fatimah Najjar, 5/16-6/19
39. Dalal Alsowaida, 12/16-7
40. Bradley Mischuk, 2/17-9/20
41. Rami Hamati, 10/17-10/19
42. Mohamed Aboudounya, 10/17-12/17
43. Si Han Li, 9/18-
44. Mia Danis, 11/18-
45. Melissa Filadelfi, 12/18-8/20
46. Julia Cappelli, 5/19-
47. Chinonye (MaryAnn) Udechukwu, 1/20-

**Workshops for Graduate Students:**

October 3, 2007 Grant Writing/Comprehensive workshop

Sept. 18, 2009 Grant Writing/Comprehensive workshop

June 12-3, 2018 CPSR Stroke Program in Neurorecovery (SPiN) Workshop

June 20, 2019 Thesis Preparation Workshop, Fac. Medicine

**ADMINISTRATION**

**Dept. of Pharmacology and Therapeutics, McGill University**

1990/93 Graduate Committee

1990/95 Radiation Safety Committee (Chair)

1992 Open House

**Faculty of Medicine McGill University**

1992 Student Research Day (Jury)

1992/95 MD/PhD Seminar Program

**University- McGill University**

1993/95 Graduate Council Rep.

**OTHER ACTIVITIES:**

**Dept. of Pharmacology and Therapeutics McGill University**

1989/95 Renovation Planning/Management (Tissue culture rooms, darkrooms, iodination room, etc.)

1989/95 Equipment Management (Gamma counter, fluorometer, centrifuge)

1989/95 Student Advisor (4 students/yr)

1991 Departmental Guide (assistant editor, M. Quik, ed.)

**Faculty Journal Club** **McGill University**

1/14/91 Hepatic gene transfer in animals using retroviruses containing the promoter from the phosphoenolpyruvate carboxykinase. Hatzoglou, M. et al., JBC 265, 17285-93, 1990.

1/13/92 Divalention permeability of AMPA receptor channels is dominated by the edited form of a single subunit. Burnashev et al., Neuron 8, 189-198, 1992.

3/25/93 Efficient adenovirus-mediated transfer of a human minidystrophin gene to skeletal muscle of mdx mice. Ragot, T. et al., Nature 361, 647-650, 1993.

3/25/94 Recombinant fibroblast growth factor-1 promotes intimal hyperplasia and angiogenesis in arteries in vivo. Nabel, E.G. et al., Nature 362, 844-846, 1993.

**Faculty of Medicine McGill University**

2/14/92 Faculty Development Day (participant, Peter McLeod, organizer)

10/2-4/92 Open House Exhibit (Organizer/presenter)

2/12/2013 Neurobiology of the Serotonin System. Module K, Neuroscience and Neurobiology, Psychiatry Program

2/25/2014 Neurobiology of the Serotonin System. Module K, Neuroscience and Neurobiology, Psychiatry Program

**University of Ottawa/OHRI**

1996-2002 Coordinator, NRI Recruitment Committee

1996-97 Member, OGHRI Recruitment Committee

1996-98 Member, Neurotransmission Theme Recruitment Committee, member

1996-2000 Coordinator, Neuroscience Seminar Series

1996-2004 Application coordinator, Centre for Brain Recovery CFI Proposals

1996-2013 Coordinator, NEB, Wisent, Clontech, FisherFast Biobars

1998-9 Member, Univ. of Ottawa, ORDCF Internal Review Committee

1998-9 Member, Univ. of Ottawa, CFI Internal Review Committee

1998-9 Member, New Opportunities Review Committee

1998-2000 Member, Univ. of Ottawa Premier’s Research Excellence Review Committee

2000-04 Member and Contact Person, Faculty of Medicine Wellness Committee

2000-2 Member, Dept. of CMM, Neuroscience Graduate Committee

2001-4 Chair, OHRI Seminar Committee

2001-4 Coordinator, OHRI Pfizer Institute-wide Seminar Series

2001-4 Member, OHRI Training Committee

2002 Member, Institutional Self-Study Research Panel, Faculty of Medicine

2002 Member, University of Ottawa, Poster Evaluation Committee

2002-6 Site Leader, OHRI, Neuroscience East

2002-10 Recruitment Chair, HSFO Centre of Excellence: Centre for Stroke Recovery

2004-05 Organizer, OHRI/CHEO/Univ. of Ottawa Distinguished Professor series

2004- present Member, OHRI Awards Committee

2005-13 Director, Neuroscience Graduate Program

2004-14 Member, Neuroscience Graduate Committee

2005-13 Member, Commission on Graduate Studies in the Humanities/Sciences

2006- present Associate Director, OHRI Neuroscience

2005-13 Member, Fac. Of Med. Graduate Committee

2007-8 Member, Univ. of Ottawa Inst. of Mental Health Res., Schizophrenia Director Recruitment Committee

2007- present Coordinator, Neuroscience Seminar Series

2008-14 Member, Planning and Priorities Committee, Heart&Stroke Canadian Partnership for Stroke Recovery

2009 Participant, uOttawa Institute of Mental Health Research Retreat Day, Centurion Conference Centre, Ottawa, ON (2/19/09)

2009 Discussant, FGPS Workshop on Graduate Student Supervision (March 25)

2009 Judge, Young Researchers' Forum at the uOttawa Institute of Mental Health Research (4/03/09).

2009 Organizer, Brain Health Research Day, University of Ottawa (6/19/09)

2009 Judge, Faculty of Medicine Summer Student Rotation (10/5/09)

2010-13 Member, Graduate Program Merger Task Force

2010 Judge, Faculty of Medicine Summer Student Rotation (10/5/10)

2014-16 Radiation Safety Committee, University of Ottawa

2014-present Space and Major Equipment Committee, OHRI

2014-15 Appointment Categories Task Force, OHRI

2014-19 Behavioral Core Review Committee, Faculty of Medicine, University of Ottawa

2014- present Member, uOBMRI Scientific Council

2014-19 Member, uOBMRI Brain Health Awareness Day Organizing Committee

2017-present uOBMRI David Park Colloquium Series Organizing Committee

1/16/18 Panel Member, uOttawa Fac. Medicine CIHR Grant Writing Workshop

10/26/18 Presenter-Lab Tour, Encounters with Canada, Let’s Talk Science

1/2019 Internal Reviewer, uOttawa Fac. Medicine CIHR Foundation Grant

3/27/19 Presenter-Lab Tour, Encounters with Canada, Let’s Talk Science

2018-23 Co-Chair, OHRI Research Day Planning Committee

2019- present Behaviour and Physiology Core Advisory Committee

5/31/19 Coordinator-Lab Tour, Canadian Medical Hall of Fame Discovery Days in Health Sciences

6/20/19 Thesis Preparation Workshop, Fac. Medicine

9/25/19 Health Partners, Laboratory Tour, UOttawa Brain and Mind Research Institute

2019- present Senior Management Team, OHRI

2020-1 TOH Stage 2 Functional Programming – Basic Science Research Space

2020-21 Back to Business Committee, Basic Science, OHRI

2020 Reviewer, Saroj and Kishori Lal Family Scholarship, uOttawa-BMRI

2020 Reviewer, Mark and Gail Marcogliese Fellowship, uOttawa-BMRI

2020 Member, uOttawa-BMRI Multi-disciplinary Teams Adjudication Committee

2021 Reviewer, uOttawa-BMRI Memory Cognition Group (MCG) Team Grant

2021 Judge, Postdoctoral Research Day, UOttawa Fac of Medicine

2021 Reviewer, uOttawa-BMRI Parkinson’s Research Consortium Scholarships

2022 Reviewer, uOttawa-BMRI Multi-disciplinary Teams

**NRC, Canada**

2006 External Promotions Reviewer.

**CIHR**

# February 21, 2001 Participant, Electronic Services Strategy Workshop

March 31, 2003 Participant, Canadian research consultation on Psychiatric Genetics, Neurogenetics, and Brain Genomics

Sept. 29, 2006. Participant, CIHR Canada-China Workshop on Neurogenetics, Ottawa.

June 14, 2007 Participant, Consultation, CIHR Reporting System, Ottawa

July 27-28, 2009 INMHA Workshop: Developing a National Strategy in Neuro Epigenetics, Hotel Le Chantecler, Sainte-Adele, Quebec.

April 7-8, 2010 INMHA Workshop: Epigenetics, environment, and health. Queen’s Landing, Niagara-on-the-Lake, ON.

Sept. 11-13, 2013 China-Canada Joint Health Research Initiative (CCJHRI) Scientific Workshop on “Mood Disorders and e-Mental Health”. Beijing, China.

**The ONTARIO BRAIN INITIATIVE**

2008 Member, Focus Group on Cellular and Molecular Neuroscience

**Heart and Stroke Centre for Stroke Recovery/Canadian Partnership for Stroke Recovery**

2008-12 Member, Planning and Priorities Committee

2009-12 Deputy Site Leader, Ottawa

**Université de Montréal**

6/2012 External Evaluator, Neuroscience Graduate Program

**Université Laval**

2/19/2014 Chair, FRQS Evaluation Committee Centre de Recherche Robert Giffard

**Brain Canada**

2011-13 Member, Scientific Advisory Board

**CIHR**

7/2017- present Member, College of Reviewers