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Education:

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| 1982-1986 | Doctorate in Medicine (M.D.), University of Sherbrooke, (Canada); |
| 1986-1990 | Certificate in Psychiatry (FRCPC), University of Ottawa, (Canada); |
| 1991-1996 | Doctorate in Neuroscience (Ph.D.), McGill University, (Canada); |
| 1997-2000 | Postdoctoral Fellowship, Harvard Medical School, Boston, (USA). |

Licenses

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| 1987 | College of Physicians of Québec (187-533-5) |
| 1991 | College of Physicians and Surgeons of Ontario (60018) |
| 1997 | Board of Registration in Medicine, Commonwealth of Massachusetts (154124) |

Honors

ICN Resident Award for Research on Schizophrenia (1990); Pfizer Award for Research in Biological Psychiatry (1995).

Bibliography Selected Published Abstracts (total: 54)

1. **Bergeron R.,** Debonnel G. and de Montigny C. (1992) Modulation of the response of rat hippocampal pyramidal neurons to NMDA by antidepressant sigma ligands: Evidence for different subtypes of sigma receptors. XV111th Collegium Internationale Neuropsychopharmacologicum, 18: O-12-20.
2. **Bergeron R.,** Debonnel G. and de Montigny C. (1992) Modulation of NMDA response by antidepressants. Research Day, Dept. of Psychiatry, McGill University.
3. **Bergeron R.,** Debonnel G. and de Montigny C. (1992) Biphasic effects on NMDA response of two antidepressants with high affinity for sigma sites. Society Neuroscience Abstract 18: 16.9.
4. **Bergeron R.,** Debonnel G. and de Montigny C. (1993) Biphasic effects of selective sigma ligands on the NMDA response. Society Neuroscience Abstract 19: 177.4.
5. **Bergeron R.,** Debonnel G. and de Montigny C. (1993) Short and long term treatments with sigma ligands modify their effect on the NMDA response. American College of Neuropsychopharmacology, 32: 141.
6. **Bergeron R.,** de Montigny, C. and Debonnel G. (1994) Progesterone suppresses the potentiation of NMDA response induced by sigma ligands. Society Neuroscience Abstract 20: 314.11.
7. **Bergeron R.** and Blier P. (1994) Effectiveness of pindolol with selected antidepressant drugs in the treatment of major depression. American College of Neuropsychopharmacology, 33: 102.
8. **Bergeron R.,** de Montigny C., and Blier P. (1995) Selective activation of postsynaptic 5-HT_{1A} receptors may induce a rapid antidepressant response. Psychopharmacology Bulletin, 31: 523.

9. Blier P., **Bergeron R.** and Hebert C. (1995) Sequential administration of augmentation strategies in treatment resistant obsessive-compulsive disorder. *European Neuropsychopharmacology* 8.
10. **Bergeron R.**, de Montigny C. and Blier P. (1995) A rapid antidepressant response may be induced by selectively activating 5-HT_{1A} receptors. *European Neuropsychopharmacology* 8.
11. Blier P., **Bergeron R.** and de Montigny C. (1995) Neurobiological and clinical effects of acute and long-term administration of 5-HT_{1A} agonists. *International Conference on New Directions in Affective Disorders*, 2: S227.
12. **Bergeron R.**, de Montigny C. and Debonnel G. (1995) The potentiation of the NMDA response induced by sigma ligands is markedly reduced during pregnancy. *Society Neuroscience Abstracts* 21: 631.6.
13. Debonnel G., **Bergeron R.** Gronier B., Lavoie N., Rettori M.C. and Guardioli B. (1995) Modulation of NMDA neuronal response by sigma₁ and sigma₂ ligands. *Society Neuroscience Abstracts* 21: 631.7.
14. Debonnel G., **Bergeron R.** and de Montigny C. (1995) DHEA and progesterone modulate the NMDA response via sigma receptors. *International Symposium on DHEA transformation into androgens and estrogens in target tissues: Endocrinology*.
15. **Bergeron R.**, de Montigny C. and Debonnel G. (1995) Involvement of the postsynaptic 5-HT_{1A} receptors in the treatment of depression. *American College of Neuropsychopharmacology*.
16. **Bergeron R.**, de Montigny C. and Debonnel G. (1995) Pregnancy prevents the potentiation of the NMDA response induced by sigma agonists. *American College of Neuropsychopharmacology*.
17. Blier P. and **Bergeron R.** (1995) Serotonergic augmentation strategies in drug-resistant obsessive-compulsive disorder. *American College of Neuropsychopharmacology*.
18. Blier P., **Bergeron R.** and de Montigny, C. (1996) Present and future tools to improve the antidepressant response based on the differential properties of 5-HT receptors subtypes. *XXth Collegium Internationale Neuropsychopharmacologicum*.
19. Debonnel G., **Bergeron R.** Gronier B. and Lavoie N. (1996) Modulation of NMDA neuronal response by sigma₁ and sigma₂ ligands and neurosteroids: evidence for the existence of several types of sigma receptors. *XXth Collegium Internationale Neuropsychopharmacologicum*.
20. **Bergeron R.**, Meyer T.M., Coyle J.T. and Greene R.W. (1997) Modulation of the NMDA response by glycine reuptake inhibitor. *American College of Neuropsychopharmacology*.
21. Blier P. and **Bergeron R.** (1998) The use of pindolol to potentiate the antidepressant medication. *American Psychiatric Association* 150.
22. **Bergeron R.**, Coyle J.T. and Greene R.W. (1998) Effects of exogenous glycine and glycine reuptake inhibitor of pyramidal hippocampal neuron. *XXIst Collegium Internationale Neuropsychopharmacologicum*.
23. **Bergeron R.**, Meyer T.M., Coyle J.T. and Greene R.W. (1998) Modulation of the NMDA response by glycine transport. *Society for Neuroscience*.
24. **Bergeron R.**, Muller L. and Zivkov M. (1999) Mirtazapine in the treatment of Premenstrual Dysphoric Disorder. *European College of Neuropsychopharmacology*.
25. **Bergeron R.**, Patil M., Sadjyk T.J., Gehlert D.R. Rainnie D.G. (2000) Urocortin "priming" *in vivo* attenuates GABAergic inhibitory transmission in the rat basolateral amygdala. *Society Neuroscience Abstracts*.
26. **Bergeron R.**, Coyle J.T., Greene R.W. (2000) Modulation of the NMDA response by N-

27. **Bergeron R.**, Coyle J.T.,Greene R.W. (2000) N-acetylaspartylglutamate is an endogenous ligand for the NMDA receptors on pyramidal cells and on interneurons of the CA1 region of the hippocampus. American College of Neuropsychopharmacology.

Peer review articles (total: 23)

1. **Bergeron R.**, Debonnel G. and de Montigny C. (1993) Modification of the *N*-methyl-D-aspartate response by antidepressant sigma receptor ligands. *European Journal of Pharmacology*, 240: 319-323.
2. **Bergeron R.**, and Blier P. (1994) Cisapride for the treatment of nausea produced by selective serotonin reuptake inhibitors. *American Journal of Psychiatry*, 151: 1084-1086.
3. Monnet F., Debonnel G., **Bergeron R.**, Gronier B. and de Montigny C. (1994) The effects of sigma ligands and of neuropeptide Y on *N*-Methyl-D-aspartate induced neuronal activation are differentially affected by pertussin toxin. *British Journal of Pharmacology*, 112:709-715.
4. **Bergeron R.**, de Montigny C. and Debonnel G. (1995) Biphasic effects of sigma ligands on the *N*-methyl-D-aspartate response. *Naunyn-Schmiedeberg's Archives of Pharmacology*, 351: 252-260.
5. Blier P. and **Bergeron R.** (1995) Safety of concomitant use of sumatriptan and antidepressant drugs. *Journal of Clinical Psychopharmacology*, 15: 106-109.
6. Blier P. and **Bergeron R.** (1995) Effectiveness of pindolol with selected antidepressant drugs in the treatment of major depression. *Journal of Clinical Psychopharmacology*, 15: 217-222.
7. Bouchard P., Monnet F.P., **Bergeron R.**, Roman F., Junien J.L., de Montigny C., Debonnel G. and Quirion R. (1995). *In vivo* modulation of sigma receptor sites by calcitonin gene-related peptide in the mouse and rat hippocampal formation: A radioligand binding and electrophysiological study. *European Journal of Neuroscience*, 7: 1952-1962.
8. **Bergeron R.**, de Montigny C. and Debonnel G. (1996) Potentiation of neuronal NMDA response induced by dehydroepiandrosterone and its suppression by progesterone: an effect mediated via sigma receptors. *Journal of Neuroscience*, 16: 1193-1202.
9. Debonnel G., **Bergeron R.**, Monnet F.P. and de Montigny C. (1996) Modification of the NMDA response by sigma ligands differentially affected by colchicine lesions. *Neuroscience*, 71: 977-987.
10. Blier P. and **Bergeron R.**, (1996) Sequential administration of augmentation strategies in treatment-resistant obsessive-compulsive disorder. *International Clinical Psychopharmacology*, 11: 37-44.
11. Debonnel G., **Bergeron R.** and de Montigny C. (1996) DHEA and progesterone modulate the neuronal response to NMDA in the CA₃ region of the dorsal hippocampus via sigma receptors. *Journal of Endocrinology*, 150:S33-S42.
12. **Bergeron R.** de Montigny C. and Blier P. (1997) Concurrent blockade of 5-HT reuptake transporter and presynaptic 5-HT_{1A} receptors in the treatment of major depression. *International Academy of Biomedical and Drug Research*, 12: 12-25.
13. **Bergeron R.** and Debonnel G. (1997) Effects of low and high doses of sigma ligands: Further evidences suggesting different subtypes of sigma receptors. *Psychopharmacology*, 129:

14. **Bergeron R.**, de Montigny C. and Debonnel G. (1997) Short and long-term treatments with sigma ligands modify their effects on NMDA response-induced neuronal activation in the CA₃ region of the rat dorsal hippocampus. *British Journal of Pharmacology*, 120: 1351-1359.
15. Blier P., **Bergeron R.** and de Montigny C. (1997) Selective activation of postsynaptic serotonin_{1A} receptors produces a rapid antidepressant response. *Neuropsychopharmacology*, 16:333-338.
16. Blier P. and **Bergeron R.** (1997) Early onset of therapeutic action in depression and greater efficacy of antidepressant treatments: are they related? *International Clinical Psychopharmacology*, 12 (suppl. 3): 21-28.
17. Blier P., **Bergeron R.** and de Montigny C. (1997) Adjunct treatments for rapid onset of action and greater efficacy in major depression. In: *The Treatment of Depression at the Dawn of the Third Millennium*. Eds: M. Briley and S. Montgomery, 281-297.
18. Blier P. and **Bergeron R.** (1998) The use of pindolol to potentiate antidepressants. *Journal of Clinical Psychiatry* 59: (Suppl. 5), 16-27.
19. Blier P., Pinerio G., El Mansari M., **Bergeron R.** and de Montigny C. (1998) Role of somatodendritic 5-HT autoreceptors in modulating 5-HT neurotransmission. In: *Advances in Serotonin Receptors Research*. IUPHAR.
20. **Bergeron R.**, Meyer T.M., Coyle J.T. and Greene R. W. (1998) Modulation of the NMDA receptor function by glycine transport. *Proceedings of the National Academy Sciences (USA)*, Vol. 95, 15730-15734.
21. **Bergeron R.**, de Montigny C. and Debonnel G. (1999) Pregnancy reduces brain sigma receptor function. *British Journal of Pharmacology*, 127: 1769-1776.
22. Greene R.W., **Bergeron R.**, Grunze H.L., Coyle J.T. and McCarley R.W. (2000) Acute and chronic effects of NMDA receptor hypofunction. *Archives of General Psychiatry*.
23. **Bergeron R.**, Coyle J.T. and Greene R. W. (2001) N-acetylaspartylglutamate antagonizes NMDA receptor on CA1 hippocampal neurons (submitted).
24. **Bergeron R.**, Greene R.W. and Coyle J.T. (2001) Glutamate carboxypeptidase II and N-acetylaspartylglutamate modulate NMDA receptor on hippocampal interneurons (submitted).