

**Curriculum Vitae**  
**Jean-Jacques Soghomonian, Ph.D.**  
**Boston University School of Medicine**  
**Department of Anatomy and Neurobiology**  
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**10/07/2015**

**Academic Training:**

- 5/1988 Ph.D. Montreal University, Montreal, Canada; Neurological Sciences  
5/1983 Doctorate Aix-Marseille II University, Marseille, France; Neuroscience

**Additional Training:**

- 8/1988-1/1989 Post Doctoral fellow in Philadelphia, Mentor: Dr. M.F. Chesselet, Medical College of Pennsylvania, Philadelphia, PA.  
1/1989-6/1992 Post Doctoral fellow in Philadelphia, Mentor: Dr. M.F. Chesselet, University of Pennsylvania, Philadelphia, PA.

**Academic Appointments:**

- 7/2004-present Associate Professor of Anatomy and Neurobiology, Boston University Medical School  
1/1999-6/2004 Assistant Professor of Anatomy and Neurobiology, Boston University Medical School  
8/1992-12/1998 Assistant Professor of Anatomy and Physiology, Laval University

**Honors:**

- 8/1991-12/1998 Scholar, Fonds de Recherches en Santé du Québec (FRSQ)  
8/1988-8/1991 Fellowship Award, Pharmaceutical Manufacturers Association Foundation (PMAF).  
1988: Fellowship Award, The Grass foundation. Cold Spring Harbor Laboratories.  
1984-1987 Fellowship Award, Medical Research Council of Canada (MRC). University of Montreal

**Departmental and University Committees:**

- 7/2003-6/2005 Graduate Student Advisor, Department of Anatomy and Neurobiology, Boston University School of Medicine, MA  
7/2007-6/2010 Promotions Committee, Department of Anatomy and Neurobiology, Boston University School of Medicine, MA  
7/2002-6/2008 Steering committee, Graduate program in Biomedical Neuroscience, Boston University School of Medicine, MA  
7/2003-6/2015 MD-PhD Admissions Committee, Boston University School of Medicine, MA  
7/2007-6/2015 Qualifying Committee, Department of Anatomy and Neurobiology, Boston University School of Medicine, MA.

**Teaching Experience and Responsibilities:**

- 8/2015-12/2015 Lecturer and laboratory Instructor, Prism first year curriculum, Boston University School of Medicine, MA  
1/1999-12/2015 Lecturer and laboratory Instructor, Medical Histology. Boston University School of Medicine, MA  
1/2013-12/2015 Lecturer and laboratory Instructor, Graduate program in Medical Sciences, Cellular Organization of Tissues, Boston University School of Medicine, MA  
1/1999-12/2015 Lecturer and laboratory Instructor, Medical Neurosciences. Boston University School of Medicine.  
08/2008-12/2015 Lecturer, Graduate program in Behavioral Neurosciences, Basic Neurosciences, Boston University School of Medicine.

- 08/2006-12/2015 Course Director and lecturer, Graduate program in Anatomy and Neurobiology, Methods in Neuroscience, Boston University School of Medicine.
- 08/2012 Lecturer, Graduate program in Anatomy and Neurobiology, The Basal Ganglia, Boston University School of Medicine.
- 08/1993-08/1998: Course Director and Lecturer, Human Biology, Nutritional Sciences Program, Laval University School of Medicine, Canada.
- 1993-1998: Lecturer, Cellular Biology, School of Dentistry, Pharmacy and Physical therapy, Laval University School of Medicine. Canada.
- 08/1993-08/1995: Lecturer, Human Neuroanatomy, Laval University School of Medicine.
- 08/1993-08/1994: Lecturer, Neurotransmitters and Gene Expression in the Basal Ganglia, Laval University School of Medicine.
- 08/1992/08/1995: Course Director and Lecturer, Introduction to Molecular Neurobiology, Laval University, School of Medicine.

**Major Mentoring Activities:**

- 8/2007-8/2013 Amelie Lanoue, PhD, Neuropathology of the prefrontal cortex in Parkinson's disease, now IACUC Coordinator at Boston University.
- 8/2013-8/2014 Samantha Labak, MA, Role of Gad1 in Gpr88-expressing neurons, Boston University School of Medicine, now medical student.
- 08/2011-6/2012 Eric Fox, MA, Glutamate transporters in the aging prefrontal cortex, Boston University School of Medicine.
- 7/2003-6/2008 Noriko Yamamoto, PhD, Dopamine and plasticity of GABAergic neurons, now medical student.
- 7/2000-6/2005 Jennifer Katz, PhD, Effects of Levodopa on GABAergic signaling, Boston University School of Medicine.
- 08/2004-06/2005 Lynh Nguyen, MA, Boston University School of Medicine, now Physician in Tampa, FL.
- 08/2002-6/2003 Norman Moore, MA, Boston University School of Medicine, now Physician.
- 7/1999-6/2004 Kirsten Nielsen, PhD, T32 trainee, Effects of continuous and intermittent L-DOPA on the basal ganglia in a rodent model of Parkinson's disease, now Adjunct Professor, Bryant and Stratton College, Albany, NY.
- 08/1993-6/1998 Laprade Natalie, Ph.D., Regulation of glutamic acid decarboxylases, Laval University School of Medicine, Quebec, Canada.

**Other Professional Activities:**

**Professional Societies: Memberships, Offices, and Committee Assignments:**

- 7/1990-6/2015 Society for Neuroscience
- 7/1998-6/2015 International Basal Ganglia Society

**Major Committee Assignments:**

**Study Sections:**

- National Institutes of Health:  
10/2015-10/2015 Clinical Neuroplasticity and Neurotransmitters study section.

Fonds Nature et Technologie du Quebec

- 7/2011-6/2014 Reviewer for PhD and Masters applicants.

### Other Support:

#### Current:

12/2014-12/2016 Hussman Foundation for Autism research, PI: Jean-Jacques Soghomonian, Neuropathology of the Basal Ganglia in Autism, \$69,000 per year.

#### Past:

- 12/2011-12/2013 Hussman Foundation, PI: Gene Blatt, Neurotransmitter imbalances in the cerebellum in Autism, \$89,000 per year.
- 12/2011-12/2013 Michael J. Fox Foundation for Parkinson's Disease Research PI: Jean-Jacques Soghomonian, Role of Gad1 in l-DOPA-induced dyskinesia. \$98,000 per year
- 9/2009-8/2011 NICHD ARRA 2 year R01, PI: Gene Blatt, Olivocerebellar Circuitry in Autism, \$760,000 per year.
- 12/2002-12/2008 RO1H039459, PI: Gene Blatt, Olivocerebellar Circuitry in Autism, \$481,773 per year
- 12/2002-12/2008 RO1NS040783, PI: Jean-Jacques Soghomonian, Behavioral sensitization and Parkinson's Disease, \$191,781 per year.
- 08/2000-08/2002 Parkinson Disease Foundation PI: Jean-Jacques Soghomonian, Effects of Intermittent vs Continuous L-DOPA on GABAergic Neurons of the Basal Ganglia, \$60,000 per year.
- 08/1998/08/2001 Medical Research Council of Canada (MRC). PI: Jean-Jacques Soghomonian "Role of Gad65 and Gad67 in the Basal Ganglia, \$80,000 per year
- 08/1994/12/1998 Natural Sciences and Engineering Research Council of Canada (NSERC). Mechanisms of Locomotor Sensitization in Experimental Models of Parkinson's Disease. \$20,000 per year.
- 08/1991/08/1994 Natural Sciences and Engineering Research Council of Canada (NSERC). Regulation of glutamic acid decarboxylases, \$20,000 per year.

### Bibliography:

#### Original, Preer Reviewed Articles:

1. Lanoir, J., **Soghomonian, J.-J.** and Cadenel, G., Radioautographic study of <sup>3</sup>H-GABA uptake in the oculomotor nucleus of the cat, *Exp. Brain Res.* 48 (1982) 137-143.
2. **Soghomonian, J.-J.**, Descarries, L. and Lanoir, J., Monoamine innervation of the oculomotor nucleus in the rat. A radioautographic study, *Neuroscience*, 17 (1986) 1147-1157.
3. **Soghomonian, J.-J.**, Doucet, G. and Descarries, L., Serotonin innervation in adult rat neostriatum I- Quantified regional distribution, *Brain Research*, 425 (1987) 85-100.
4. **Soghomonian, J.-J.**, Descarries L. and Watkins, K.C., Serotonin innervation in adult rat neostriatum. II. ultrastructural features: a radioautographic and immunocytochemical study, *Brain research*, 481 (1989) 67-86.
5. **Soghomonian, J.-J.**, Pinard, R. and Lanoir, J., GABA innervation in adult rat oculomotor nucleus: a radioautographic and immunocytochemical study, *Journal of Neurocytology*, 18 (1989) 319-331.
6. Dewar, K.M., **Soghomonian, J.-J.**, Bruno, J.P., Descarries, L. and Reader, T.A., Elevation of dopamine D2 but not D1 receptors in adult rat neostriatum after neonatal 6-hydroxydopamine denervation, *Brain Research*, 536 (1990) 287-296.
7. **Soghomonian, J.-J.** and Chesselet, M.F., Lesions of the dopamine nigrostriatal pathway alter preprosomatostatin mRNA levels in the striatum, the entopeduncular nucleus and the lateral hypothalamus of the rat. *Neuroscience*, 42 (1991) 49-59.
8. Descarries, L., **Soghomonian, J.-J.**, Garcia, S., Doucet, G. and Bruno, J.P. Ultrastructural analysis of the serotonin hyperinnervation in adult rat neostriatum following neonatal dopamine denervation with 6-hydroxydopamine, *Brain Research*, 569 (1992) 1-13.

9. Qin, Y., **Soghomonian, J.-J.** and Chesselet, M-F., Effects of quinolinic acid on messenger RNAs encoding somatostatin and glutamic acid decarboxylase in the striatum of adult rats. *Exp. Neurol.*, 115 (1992) 200-211.
10. **Soghomonian, J.-J.**, Gonzales, C. and Chesselet, M.F. Messenger RNAs encoding glutamate-decarboxylases are differentially affected by nigrostriatal lesions in subpopulations of striatal neurons, *Brain Research*, 576 (1992) 68-79.
11. Mercugliano, M., **Soghomonian, J.-J.**, Qin, Y., Nguyen, H.Q., Feldblum, S., Erlander, M.G., Tobin, A. and Chesselet, M-F., Comparative distribution of messenger RNAs encoding glutamic acid decarboxylases in the basal ganglia of the rat, *J. Comp. Neurol.*, 318 (1992) 245-254.
12. **Soghomonian, J.-J.** and Chesselet, M.F., Effects of dopamine nigrostriatal lesions on the levels of messenger RNAs encoding two isoforms of glutamate decarboxylase in the globus pallidus and entopeduncular nucleus of the rat, *Synapse*, 11 (1992) 124-133.
13. **Soghomonian J.-J.**, Effects of neonatal 6-hydroxydopamine injections on glutamate-decarboxylase, preproenkephalin and dopamine D2 receptor mRNAs in the adult rat striatum, *Brain Research*, 621 (1993) 249-259.
14. Radja, F., El Mansari, M., **Soghomonian, J.-J.**, Dewar, K., Ferron, A., Reader, T. and Descarries. L., Changes of D1 and D2 receptors in adult rat neostriatum after neonatal dopamine denervation. Correlation of quantitative data from ligand binding autoradiography, in situ hybridization and iontophoresis, *Neuroscience*, 57 (1993) 635-648.
15. **Soghomonian, J.-J.**, Differential regulation of GAD67 and PPE gene expression in the rat striatum, *Brain Research*, 640 (1994) 146-154.
16. Pedneault, S. and **Soghomonian, J.-J.**, Glutamate decarboxylase (GAD65) mRNA levels in the striatum and pallidum of parkinsonian primates. *Mol. Brain Res.*, 25 (1994) 351-354.
17. **Soghomonian, J.-J.**, Pedneault, S., Audet G., and Parent, A., Increased mRNA levels encoding for glutamic acid decarboxylase in the striatum and pallidum of MPTP-treated monkeys. *Journal of Neuroscience*, 14 (1994) 6256-6265.
18. Asselin, I., **Soghomonian, J.-J.**, Coté, P.-Y. and Parent, A., Striatal changes in preproenkephalin mRNA levels in Parkinsonian monkeys. *NeuroReport*, 5 (1994) 2137-2140.
19. Laprade, N. and **Soghomonian, J.-J.**, MK-801 decreases striatal and cortical GAD65 mRNA levels. *NeuroReport*, 6 (1995) 1885-1889.
20. Laprade, N. and **Soghomonian, J.-J.**, Differential regulation of mRNA levels encoding for the two isoforms of glutamate decarboxylase (GAD65 and GAD67) by dopamine receptors in the rat striatum. *Mol. Brain Res.*, 34 (1995) 65-74.
21. Tremblay, M., Salin, P. and **Soghomonian, J.-J.**, Effect of 6-OHDA lesions on striatal mRNAs encoding for glutamate receptor subunits. *NeuroReport*, 6 (1995) 2225-2239.
22. Chesselet, M.-F., **Soghomonian, J.-J.** and Salin, P., Anatomical localization and regulation of somatostatin gene expression in the basal ganglia and its clinical implications. *Ciba Foundation Symposium*, 190 (1995) 51-59.
23. Séguéla, P., Haghghi, A., **Soghomonian, J.-J.** and Cooper, E., A novel zinc-sensitive ATP receptor ion channel with widespread localization in the brain. *Journal of Neuroscience* 16 (1996) 448-455.
24. Delfs, J.M., Ciaramitaro, V.M., **Soghomonian, J.-J.** and Chesselet, M.-F., Unilateral nigrostriatal lesions induce a bilateral increase in glutamic acid decarboxylase mRNA in the reticular thalamic nucleus. *Neuroscience*, 71 (1996) 383-396.
25. **Soghomonian JJ**, Pedneault S, Blanchet PJ, Goulet M, Di Paolo T, Bedard PJ. L-DOPA regulates glutamate decarboxylases mRNA levels in MPTP-treated monkeys. *Mol Brain Res.* (1996) 237-240.
26. Laprade, N., Radja, F., Reader, T. and **Soghomonian, J.-J.**, Dopamine receptor agonists regulate levels of the serotonin 5-HT<sub>2A</sub> receptor and its mRNA in a subpopulation of striatal neurons, *Journal of Neuroscience*, 16 (1996) 3727-3736.
27. **Soghomonian, J.-J.**, DiPaolo, T., Goulet, M. and Bédart, P.J., L-DOPA regulates glutamate decarboxylases mRNA levels in MPTP-treated monkeys, *Mol. Brain Res.*, 39 (1996) 237-240.

28. Paquet, M., Tremblay, M., **Soghomonian, J.-J.** and Smith, Y., AMPA and NMDA glutamate receptor subunits in midbrain dopaminergic neurones in the squirrel monkey: immunohistochemical and *in situ* hybridization study, *Journal of Neuroscience*, 17 (1997) 1377-1396.
29. **Soghomonian, J.-J.** and Laprade, N., Glutamate decarboxylases (GAD67 and GAD65) gene expression is increased in a sub-population of neurons in the putamen of parkinsonian monkeys, *Synapse*, 27 (1997) 122-132.
30. Laprade, N. and **Soghomonian, J.-J.**, Glutamate decarboxylase (GAD65) gene expression is increased by dopamine receptor agonists in a sub-population of rat striatal neurons, *Mol. Brain Res.*, 48 (1997) 333-345.
31. Morissette, M., Goulet, M., **Soghomonian, J.-J.**, Blanchet, P.J., Calon, F., Bédard, P.J. and Di Paolo, T., Preproenkephalin messenger RNA expression in the caudate-putamen of MPTP monkeys after chronic treatment with the D2 agonist U91356A in continuous or intermittent mode of administration : comparison with L-DOPA therapy, *Mol. Brain Res.*, 49 (1997) 55-62.
32. **Soghomonian, J.-J.**, Laprade, N., Sandström, M. and Bruno, J.P., c-fos gene expression is induced in a subpopulation of striatal neurons following a single administration of a D1-dopamine receptor agonist in adult rats lesioned with 6-OHDA as neonates, *Mol. Brain Res.*, 57 (1998) 155-160.
33. **Soghomonian, J.-J.** and Martin, D.L., Two isoforms of glutamate decarboxylase: why? *Trends in Pharmacological Sciences*, 19 (1998) 500-505.
34. Gervais, J., **Soghomonian, J.-J.**, Richard, D. and Rouillard, C., Dopamine and serotonin interactions in the modulation of the expression of the immediate early transcription factor NGFI-B in the striatum, *Neuroscience*, 91 (1999) 1045-1054.
35. Laprade, N. and **Soghomonian, J.-J.**, Gene expression of the GAD67 and GAD65 isoforms of glutamate decarboxylase is differentially altered in subpopulations of striatal neurons in adult rats lesioned with 6-OHDA as neonates, *Synapse*, 33 (1999) 36-48.
36. Bedard PJ, Blanchet PJ, Levesque D, **Soghomonian J.-J.**, Grondin R, Morissette M, Goulet M, Calon F, Falardeau P, Gomez-Mancilla B, Doucet JP, Robertson GS and DiPaolo T. Pathophysiology of L-dopa-induced dyskinesias. *Movement Disorders* (1999) 14 Suppl 1: 4-8.
37. Freeman AY, **Soghomonian JJ**, Pierce RC. Tyrosine kinase B and C receptors in the neostriatum and nucleus accumbens are co-localized in enkephalin-positive and enkephalin-negative neuronal profiles and their expression is influenced by cocaine. *Neuroscience*, 117 (2003) 147-156.
38. Nielsen, K.N. and **Soghomonian, J.-J.** (2003) Dual effects of intermittent or continuous L-DOPA administration on gene expression in the globus pallidus and subthalamic nucleus of adult rats with a unilateral 6-OHDA lesion. *Synapse* 49 246-260.
39. Nielsen, K.N. and **Soghomonian, J.-J.** (2004) Normalization of glutamate decarboxylase gene expression in the entopeduncular nucleus of rats with a unilateral 6-hydroxydopamine lesion correlates with increased GABAergic input following intermittent but not continuous levodopa. *Neuroscience* 123: 31-42.
40. Mark KA, **Soghomonian JJ**, Yamamoto BK. (2004) High-dose methamphetamine acutely activates the striatonigral pathway to increase striatal glutamate and mediate long-term dopamine toxicity. *Journal of Neuroscience*. 24:11449-11456.
41. Katz J, Nielsen KM, **Soghomonian JJ**. (2005) Comparative effects of acute or chronic administration of levodopa to 6-hydroxydopamine-lesioned rats on the expression of glutamic acid decarboxylase in the neostriatum and GABA(A) receptors subunits in the substantia nigra, pars reticulata. *Neuroscience* 132: 833-842.
42. **Soghomonian, J.-J.** (2006) L-DOPA-induced dyskinesia in adult rats with a unilateral 6-OHDA lesion of dopamine neurons is paralleled by increased c-fos gene expression in the subthalamic nucleus. *Eur J Neurosci*. 23(9):2395-2403.
43. Yamamoto N, Pierce RC, **Soghomonian JJ**. (2006) Subchronic administration of l-DOPA to adult rats with a unilateral 6-hydroxydopamine lesion of dopamine neurons results in a sensitization of enhanced GABA release in the substantia nigra, pars reticulata. *Brain Res*. 1123:196-200.

44. Wang H, Katz J, Dagostino P, **Soghomonian JJ**. (2007) Unilateral 6-hydroxydopamine lesion of dopamine neurons and subchronic l-DOPA administration in the adult rat alters the expression of the vesicular GABA transporter in different subsets of striatal neurons and in the substantia nigra, pars reticulata. *Neuroscience*, 145:727-37.
45. Yip J, **Soghomonian JJ**, Blatt GJ. (2007) Decreased GAD67 mRNA levels in cerebellar Purkinje cells in autism: pathophysiological implications. *Acta Neuropathol (Berl)*. 113(5):559-68.
46. Hatzipetros T, Raudensky JG, **Soghomonian JJ**, Yamamoto BK. (2007) Haloperidol treatment after high-dose methamphetamine administration is excitotoxic to GABA cells in the substantia nigra pars reticulata. *J Neurosci*. 27(22):5895-902.
47. Yip J, **Soghomonian JJ**, Blatt GJ. (2008) Increased GAD67 mRNA expression in cerebellar interneurons in autism: implications for Purkinje cell dysfunction. *J Neurosci Res*. 86(3):525-30.
48. Yamamoto N, **Soghomonian JJ**. (2008) Time-course of SKF-81297-induced increase in glutamic acid decarboxylase 65 and 67 mRNA levels in striatonigral neurons and decrease in GABA(A) receptor alpha1 subunit mRNA levels in the substantia nigra, pars reticulata, in adult rats with a unilateral 6-hydroxydopamine lesion. *Neuroscience*. 154(3):1088-99.
49. Yip J, **Soghomonian JJ**, Blatt GJ. (2009) Decreased GAD65 mRNA levels in select subpopulations of neurons in the cerebellar dentate nuclei in autism: an in situ hybridization study. *Autism Res*. Feb;2(1):50-9.
50. Yamamoto N, **Soghomonian JJ**. (2009) Metabotropic glutamate mGluR5 receptor blockade opposes abnormal involuntary movements and the increases in glutamic acid decarboxylase mRNA levels induced by l-DOPA in striatal neurons of 6-hydroxydopamine-lesioned rats. *Neuroscience*. Nov 10;163(4):1171-80.
51. Blatt, G., **Soghomonian, JJ.**, Yip, J. (2010) Glutamic acid decarboxylase (GAD) as a biomarker of GABAergic activity in Autism: Impact on cerebellar circuitry and function. In "The Neurochemical Basis of Autism". Springer, Ed: Gene J Blatt, pp: 95-111.
52. **Soghomonian, JJ**, Sethares, C, Peters A. (2010) Effects of age on axon terminals forming axodendritic and axosomatic inhibitory synapses in prefrontal cortex. In press. *Neuroscience*. 168(1):74-81
53. Lanoue AC, Dumitriu A, Myers RH, **Soghomonian JJ**. (2010) Decreased glutamic acid decarboxylase mRNA expression in prefrontal cortex in Parkinson's disease. *Exp Neurol*. 226(1):207-17.
54. Lanoue AC, Blatt GJ, **Soghomonian JJ**. (2013) Decreased parvalbumin mRNA expression in dorsolateral prefrontal cortex in Parkinson's disease. *Brain Res*. 2013 Sep 19;1531:37-47.
55. Zhang K, Hill K, Labak S, Blatt GJ, **Soghomonian JJ**. Loss of glutamic acid decarboxylase (Gad67) in Gpr88-expressing neurons induces learning and social behavior deficits in mice. *Neuroscience*. 2014 Sep 5;275:238-47.
56. Zhang C, Chammas, **Soghomonian JJ**. Loss of glutamic acid decarboxylase (Gad67) in striatal neurons expressing the Drd1a dopamine receptor prevents l-DOPA-induced dyskinesia in 6-hydroxydopamine-lesioned mice. *Neuroscience*. 2015 Sep 10;303:586-94.

### Case Reports, Reviews, Chapters, and Editorials:

#### Textbook Chapters:

1. **Soghomonian, J.-J.**, Beaudet, A. and Descarries, L., Ultrastructural relationships of central serotonin neurons, in *Neuronal Serotonin*, (Eds N.N. Osborne and M. Hamon) John Wiley & Sons, Oxford (1988) pp. 57-92.
2. Descarries, L., Audet, M.A., Doucet, G., Garcia, S., Oleskevitch, S., Séguéla, P., **Soghomonian, J.-J.** and Watkins, K.C., Morphology of central serotonin neurons, in "The Neuropharmacology of Serotonin", (Eds P.M. Whitaker-Azmitia, and S.J. Peroutka), *Ann. N.Y. Acad. Sci.* (1990) pp. 81-92.
3. **Soghomonian, J.-J.**, In situ hybridization at the electron microscopic level, in "In Situ Hybridization Histochemistry", (Ed. M.F. Chesselet) CRC Press, Boca Raton, Fl. (1990) pp.165-174.

4. Chesselet, M.-F., Mercugliano, M., **Soghomonian, J.-J.**, Salin, P., Qin, Y. and Gonzales, C. Regulation of glutamic acid decarboxylase gene expression in efferent neurons of the basal ganglia. In *Chemical Signalling in the Basal Ganglia* (eds Arbuthnott, G.W. and Emson P.C.) 1993; pp 143-154, Elsevier, Amsterdam.
5. Chesselet, M.-F., Mercugliano, M., **Soghomonian, J.-J.**, Salin, P., Qin, Y. and Gonzales, C., Regulation of glutamic acid decarboxylase gene expression in efferent neurons of the basal ganglia, *Progress in Brain Res.*, 99 (1993) 143-154.
6. Chesselet, M.-F., Delfs, J.M., Ghasemzadeh, B., Lenz, S., Mercugliano, M., Qin, Y., Salin, P. and **Soghomonian, J.-J.**, Cell-specific mRNA expression in the striatum. In : *Molecular and cellular mechanisms of neostriatal function* (Ariano, MA, Surmeier, DJ, eds), (1995) 89-102. Austin, TX : Landes.
7. **Soghomonian, J.-J.** and Chesselet, M.-F. GABA in the basal ganglia. In "GABA in the Nervous System". Martin D. and Olsen, R. Eds. Lippincott Williams and Wilkins. Philadelphia. (2000) pp.265-291.