

CURRICULUM VITAE

Pierrette GAUDREAU

Octobre 2008

SECTION I- IDENTIFICATION AND PERSONAL INFORMATION

NAME : Gaudreau Pierrette

GENDER : Female

DATE AND PLACE OF BIRTH : March 18, 1949, Magog, Quebec, Canada

NATIONALITY : Canadian

OFFICE ADDRESS : Laboratory of Neuroendocrinology of Aging,
CHUM (Centre Hospitalier de l'Université de
Montréal) Research Center, Notre-Dame
Hospital, Room M-5226, Mailloux Pavilion,
1560 east Sherbrooke street,
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E-mail : pierrette.gaudreau@umontreal.ca.

LANGUAGE CAPABILITIES : English and French : fluent

RESEARCH INTERESTS : Neuroendocrinology, Aging and Nutrition,
Molecular and cellular aspects of peptide
receptor regulation,
Peptide metabolism and peptide chemistry,
Animal model of successful aging
Aging cohorts

MEMBERSHIP : Society for Neuroscience (USA)
Canadian Association for Neuroscience
Academic Keys Who's Who in Medical Science
Education
Société de Neuroendocrinologie Expérimentale
(France)

SECTION II- ACADEMIC AND PROFESSIONAL EXPERIENCE

1) Education :

- 1970 DEC (diplôme d'études collégiales) X-RAY Technology, Ahuntsic CEGEP (collège d'études générales et professionnelles), Montreal (Quebec), Canada.
- 1974 DEC Health Sciences, CEGEP of Sherbrooke, Sherbrooke (Quebec) Canada.
- 1996 BSc Chemistry,
Faculty of Sciences,
University of Sherbrooke, Sherbrooke.
- 1997 MSc Pharmacology,
Faculty of Medicine,
University of Sherbrooke, Sherbrooke.
- 1998 PhD Pharmacology,
Faculty of Medicine,
University of Sherbrooke, Sherbrooke.

2) Research training :

- 1999 MSc student,
Department of Pharmacology,
Faculty of Medicine,
University of Sherbrooke, Sherbrooke.
Supervisors: Drs Serge St-Pierre and Domenico Regoli.
Dissertation title : Synthesis and pharmacological characterization of bradykinin and its analogues.
- 1980-1984 PhD student,
Department of Pharmacology,
Faculty of Medicine,
University of Sherbrooke and
National Institute of Mental Health and National Institute of Child Health and Human Development, Bethesda, Maryland, USA.
Supervisors: Dr Serge St-Pierre,
Department of Pharmacology,
Faculty of Medicine, University of Sherbrooke

Sherbrooke, Dr Erhard Gross, Molecular Structure Section, NICHD, Bethesda, Maryland USA and Dr Candace B Pert, Brain Biochemistry Section, NIMH, Bethesda, Maryland USA.

Dissertation title: Comparative studies on cholecystokinin receptors.

2000

Post-doctoral student, Laboratory of Neuroendocrinology, Notre-Dame Hospital Research Center, University of Montreal, Montreal.

Supervisor: Dr Paul Brazeau.

Primary area of research: Regulation of growth hormone secretion.

Secondary area of research: Characterization of ribonucleotide reductase of herpes virus.

3) **Continuous education** :

1997

One-day workshop on effective lecturing and audiovisual aids, Faculty Development Office, Faculty of Medicine, McGill University, Montreal, May 16.

1999-

MSc Management, École des Hautes Études Commerciales (HEC), University of Montreal.

4) **Work experience** :

1970 -1972

X-ray Technician, Centre Hospitalier St-Vincent de Paul, Sherbrooke.

1972 -1980

X-ray Technician, Centre Hospitalier Universitaire, Sherbrooke.

1977

Research assistant in peptide chemistry, Department of Pharmacology, University of Sherbrooke.

5) Studentships and fellowships :

1981 -1984	Doctoral studentship from the Canadian Huntington Society
1982 -1983	Doctoral studentship from <i>Fonds pour la formation de chercheurs et l'aide à la recherche (FCAR)</i>
1983 -1984	Doctoral studentship from <i>Fonds de la Recherche en Santé du Québec (FRSQ)</i>
1985 -1988	Post-doctoral fellowship from FRSQ

SECTION III- ACADEMIC POSITIONS

1988-1994	Assistant Research Professor, Department of Medicine, University of Montreal
1994-2001	Associate Research Professor, Department of Medicine, University of Montreal
2001-2002	Associate Professor, Department of Medicine, University of Montreal
2002-	Full Professor, Department of Medicine, University of Montreal
1990-	Affiliate member, Department of Physiology, University of Montreal
1993-	Part-time adjunct professor, McGill Center for Studies in Aging
1995-	Member of the FRSQ provincial network in geriatrics and gerontology
1998-	Member, Molecular Biology program, Faculty of graduate studies, University of Montreal
1999-	Associate researcher, Research Center, Institut universitaire de gériatrie de Montréal
2000-	Affiliate member, Department of Biochemistry, University of Montreal (14/06/2000)

SECTION IV- TEACHING

1) Teaching/registered courses :

BIM 6030, News and views in molecular biology, Faculty of Medicine, University of Montreal, (20 MSc and PhD students, 3 h/year), 1991.

PLS 6090, Regulatory mechanisms in physiology, Faculty of Medicine, University of Montreal, (15-18 MSc and PhD students, 3 h/year) and member of the oral exam jury)/correction and evaluation (7 h/year), 1991-.

NRL 6060, Neurotransmission, Faculty of Medicine, University of Montreal, (25-30 MSc and PhD students, 3 h/year) and member of the oral presentation jury)/correction and evaluation (7 h/year), 1994-1995.

PSL 3030, Endocrinology and reproduction, Faculty of Medicine, University of Montreal, (45 undergraduate students, 18 h/year of teaching, 80 h/year of preparation and correction of mid-term and final exams), 1996-1998.

BIO 3091, Initiation to research (3-credit undergraduate course), Department of biological sciences, Faculty of Arts and Sciences, University of Montreal. The following students were supervised : Nadeau Laurent (winter 1998), Joëlle Desmarais (winter 2000) and Sophie Dubuisson (summer 2001).

BCM 3532, Initiation to laboratory research (6-credit undergraduate course), Department of Biochemistry, Faculty of Medicine, University of Montreal. The following students were supervised : Karin Robinette (summer 1998), Luc Pomerleau (winter 2000), Julie Strecko (summer 1999), Katherine Farrajota (summer 2002), Karine Thériault (summer 2003), Geneviève Giroux (summer 2005), Laure Castelain (summer 2006).

NUT 3033, Initiation à la recherche (3 credit course, 10 students, 0.5h/year), Department of Nutrition, Faculty of Medicine, University of Montreal, 2004-2006.

2) Teaching/other activities :

Journal Club : 3h/week, presentation and discussion of recently published articles in the field of neuroendocrinology, molecular biology and G protein-coupled receptors, by each member of my research team (student, research assistant and myself) on one week in alternation with updates and discussion of each member experimental results and immediate follow-up, since 1990.

3) Supervision of graduate students :

Post-doctoral students :

1989-1990	Thierry Abribat, Faculty of Veterinary Medicine, Toulouse, France, fellowship Elf-Aquitaine
1997-1998	Hafedh Habelmelek, University Claude Bernard, Lyon, France
1999-2003	Christelle Veyrat-Durebex, University Blaise Pascal, Clermont-Ferrant, France

Graduate students (please see Section V, subsection 4 for studentships and fellowships) :

1988-1991	Luce Boulanger, MSc Physiology, University of Montreal
1991-1998	Luce Boulanger, PhD Biochemistry, University of Montreal (at risk pregnancy, critical illness of the baby); present position: clinical biocjemist, St-Luc hospital, Montreal
1990-1992	Virginia Cornea, MSc Neurological Sciences, University of Montreal, co-supervisor; Laurent Descarries
1991-1993	Louise Lefrançois, MSc Physiology, University of Montreal; present position, project manager international regulatory affairs, SNC Lavallin/Europe
1991-1993	Ali Hersi, MSc Neurology-Neurosurgery, McGill University, co-supervisor; Rémi Quirion, supervisor
1993-1997	Ali Hersi, PhD Neurology-Neurosurgery, McGill University, co-supervisor; Rémi Quirion, supervisor; present position, MD emergency medicine, Guelph, ON
1996	Orce Jovcevski, PhD Molecular Biology, University of Montreal, not completed (left after 4 months in my laboratory, health problems).
1996-1998	Nathalie Girard, MSc Molecular Biology, University of Montreal; present position, project leader, private

sector, Montreal, QC.

1996 Nancy Dallaire, MSc Molecular Biology, University of Montreal,(left after 3 months in my laboratory)

1996 (01/05-01/10) Beatrice Grandclément, Guest MSc student (Institut Pasteur de Lyon Sud, France); present position, research assistant in electron microscopy, private sector, Lyon, France

1998-2001 Caroline Paré, MSc Molecular Biology, University of Montreal; present position, bachelor student, faculty of pharmacy, Laval University, Quebec, CQ

1999-2003 Boisvert Chantale, PhD Biochemistry, University of Montreal; present position, project leader, Theratechnologies Inc, Montreal, QQ

1999-2001 Karin Robinette, MSc Biomedical Sciences, University of Montreal; present position, health professional in acupuncture, private clinics, Montreal, QC

2000-2004 Julie Strecko, MSc Biomedical Sciences, University of Montreal (2002-2003 and 2003-2004, full time BSc Nutrition and part time MSc student): present position, dietitian, private sector, Montreal, QC

2000-2001 Julie Strecko, PhD Biomedical Sciences, University of Montreal (direct registration without MSc thesis submission; resignation in 12/2001, due to chronic health problems)

2000-2003 Pomerleau, MSc Molecular Biology, University of Montreal; present position, project leader, Theratechnologies Inc, Montreal

2003-2004 Sophie Dubuisson, MSc Biomedical Science, University of Montreal; present position, research assistant , University of Montreal, Montreal, QC

2003-2006 Karine Bédard, MSc Biomedical Science, University of Montreal

2004-2005 Mélanie Borie, MSc Biochemistry (professional profile), University of Montreal; present position, research assistant, University of Montreal, Montreal. QC

2005- Karine Thériault, MSc Molecular Biology, University of Montreal

2006- Karine Bédard, PhD Biochemistry, University of Montreal

2006- Médina Slimadi, MSc Nutrition, University of Montréal

Undergraduate students :

1984 Daniel Paradis, Dept Biochemistry, University of Montreal (summer)

1989 Luce Boulanger, Dept Biochemistry, University of Montreal (summer)

1989 Marlin Mignault, Faculty of Dental Medicine, University of Montreal (summer)

1994 Eric Fortier, Dept Biology, University of Sherbrooke (summer)

1995 Jean-François Boudreau, Dept Biology, University of Sherbrooke (summer)

1997 Isabelle Dion, School of Nutrition, Laval University (summer)

1997 Alexandre Hébert, Dept Biochemistry, University of Montreal (summer)

1998 Laurent Nadeau, Dept Biological Sciences, University of Montreal (winter)

1998 Karin Robinette, Dept Biochemistry, University of Montreal (summer)

1998 Isabelle Dion, School of Nutrition, Laval University (summer)

1998 Karin Robinette, Dept Biochemistry, University of Montreal (fall)

1999 Julie Streko Julie, Dept Biochemistry, University of Montreal (summer)

1999 Julie Strecko, Dept Biochemistry, University of Montreal (fall)

1999 Luc Pomerleau, Dept Biochemistry, University of Montreal (fall)

2000 Luc Pomerleau, Dept Biochemistry, University of Montreal (winter)

2000 Joëlle Desmarais, Dept Biological Sciences, University of Montreal (winter)

2001 Sophie Dubuisson, Biological Science Program, University of Montreal (summer)

2002 Sophie Dubuisson, Biological Science Program, University of Montreal (summer)

2002 Katherine Farrajota, Dept Biochemistry, University of Montreal (summer)

2003 Katherine Farrajota, Dept Biochemistry, University of Montreal (summer)

2003 Karine Thériault, Dept Biochemistry, University of Montreal (summer)

2003 Sabrina Hoa, Collège Brébeuf (summer)

2004 Karyne Thériault, Dept Biochemistry, University of Montreal (summer)

2004 Sabrina Hoa, Collège Brébeuf (summer)

2005 Geneviève Giroux, Dept Biochemistry, University of Montreal (summer)

2005 Marie-Eve Lalonde, Dept Biochemistry, University of Montreal (summer)

2005 Andrée-Anne Delsemme-Therrien, Brébeuf College (summer)

2006 Laure Castelain, Dept. Biochemistry, University of Montreal (summer)

2006 Khashayar Esfahani, Brébeuf College (summer)

2006	Simon Archambault, , Ahuntsic College (summer)
2007	Khashayar Esfahani, Brébeuf College (summer)
2007	Marie-Noël Séguin-Grignon, Biological Science Program, University of Montreal (summer)
2007	Stéphanie Morin, Ahuntsic College (summer)

4) Juries :

External member, doctoral thesis of Nathalie Deslauriers (PhD Nutrition), Dept. Nutrition, University of Montreal, April 1991.

Dean representative, doctoral thesis of Sylvie St-Jacques (PhD Microbiology and Immunology), Dept. Microbiology and Immunology, University of Montreal, April 1991.
Jury member, MSc dissertation of Luce Boulanger (MSc Physiology), Dept. Physiology, University of Montreal, July 1991.

Jury member, MSc dissertation of Maryse St-Louis (MSc Biomedical Sciences), Dept. Pediatrics, University of Montreal, November 1992.

Jury member, MSc dissertation of Virginia Cornea (MSc Neurological Sciences), Dept. Physiology, University of Montreal, November 1992.

Jury member, MSc dissertation of Louise Lefrançois (M.Sc. Physiology), Dept. Physiology, University of Montreal, June 1993.

President of the jury, pre-doctoral exam of Jérôme Castagné (PhD Physiology), Dept. of Physiology, University of Montreal, November 29, 1995.

President of the jury, second pre-doctoral exam of Jérôme Castagné (PhD Physiology), Dept. of Physiology, University of Montreal, May 24, 1996.

Jury member, MSc dissertation of Nathalie Girard (MSc Molecular Biology) entitled "Régulation nutritionnelle et hormonale du récepteur adénohypophysaire du facteur de libération de l'hormone de croissance", Faculty of Graduate Studies, University of Montreal, June 2, 1999.

President of jury, doctoral thesis of Ming Ming (PhD Physiology) entitled "Hormonal regulation of the expression of angiotensinogen gene in opossum kidney and mouse hepatoma cell lines", Dept. of Physiology, University of Montreal, August 10, 1999.

Jury member, Ph.D. thesis of Luce Boulanger (PhD Biochemistry) entitled "Caractérisation et régulation du récepteur adénohypophysaire du facteur de libération de l'hormone de

croissance au cours du vieillissement”, Dept. of Biochemistry, University of Montreal, October 12, 1999.

Jury member, pre-doctoral exam of Chantale Boisvert (PhD Biochemistry), Dept. of Biochemistry, University of Montreal, May 4, 2001.

Jury member, MSc dissertation of Caroline Paré (MSc Biologie moléculaire) entitled “Localisation, régulation and fonction of the growth hormone-releasing hormone receptor in the rat kidney”, August 9, 2001.

Jury member, pre-doctoral exam of Jean Buteau (PhD Biochemistry), Dept. of Biochemistry, University of Montreal, December 18, 2001.

Jury member, pre-doctoral exam of Stéphane Chabaud (PhD Molecular Biology), Faculty of Graduate Studies program, University of Montreal, December 19, 2001.

Jury member, MSc dissertation of Karin Robinette (MSc Sciences biomédicales) entitled “Regulation of the growth hormone-releasing hormone receptor in aging : effet of caloric restriction and level of protein intake”, December 21, 2001.

Dean representative, doctoral thesis of Ariel Ares (PhD Anatomy-Pathology), Dept. Anatomy-Pathology, Faculty of Medicine, University of Montreal, May 13, 2002.

Jury member, doctoral thesis of Chantale Boisvert (PhD Biochemistry) entitled “Localisation, régulation et fonction du récepteur du facteur de libération de l’hormone de croissance”, March 12, 2003.

Jury member, MSc dissertation of Luc Pomerleau (MSc Molecular Biology) entitled “Expression et caractérisation du récepteur hypophysaire de rat du facteur de libération de l’hormone de croissance”, March 2003.

Jury member, doctoral thesis of Andrée Lessard (PhD Physiology) entitled “Rôles des tachykinines et de leurs récepteurs dans la régulation centrale des fonctions cardiovasculaires chez le rat normtendu et hypertendu”, October 3, 2003.

Dean representative, doctoral thesis of Stéphane Chabaud (PhD Molecular Biology) entitled “Étude des fonctions anti-apoptique et de chaperone moléculairede la sous-unité R1 de la rébonucléotide réductase du virus de l’herpès simplex de type-2”, October 5, 2004.

Jury member, MSc dissertation of Julie Strecko (MSc Biomedical Sciences) entitled “Impact du diabète de type 1 sur le récepteur hypophysaire et rénal du facteur de libération de l’hormone de croissance chez le rat”, December 22, 2004.

Jury member, MSc dissertation of Sophie Dubuisson (MSc Biomedical Sciences) entitled “Étude du récepteur du facteur de libération de l’hormone de croissance dans l’anse de Henlé mince”, December 22, 2004.

Jury member, MSc dissertation of Karine Bédard (MSc Biomedical Sciences) entitled “Glucotoxicité cellulaire comme modèle de vieillissement du récepteur du facteur de libération de l’hormone de croissance”, September 18, 2006.

Jury member, PhD dissertation of David H St-Pierre (PhD Nutrition) entitled « Étude des relations entre les taux de ghréline circulante et le profil métabolique chez la femme », October 25, 2006.

6) Planning of new courses :

PSL 3030, Endocrinology and reproduction, Faculty of Medicine, University of Montreal, complete structuration in collaboration with Dr Roland Savard, UQAM, 1996.

7) Training of scientific personal :

1984-1985	Jean Gauthier PhD Bio-Méga Inc, peptide chemistry
1984-1985	Vida Gorys BSc, Bio-Méga Inc, peptide chemistry
1984-1988	Marika Di Marco BSc, HPLC
1984-1988	Micheline Tarazi MSc, peptide chemistry
1985	Monique Baillet MSc, Bio-Méga Inc, HPLC
1985	Carole Lépine-Frenette BSc, Bio-Méga Inc, peptide chemistry and HPLC
1985	Louise Bernier BSc, peptide chemistry and HPLC
1988-	Daniel Langlois BSc, peptide chemistry, HPLC, RIA, biochemistry
1988-1992	Jean Cormier BSc, peptide chemistry
1992-1994	Josée Bouthillier BSc, peptide chemistry
1997-1998	Stéphane Denis BSc, molecular and cellular biology (present position : research assistant, Angiogen, Montreal)
1998-1999	Isabelle Dion BSc, biochemistry
09/1998-08/2002	Alma Robert, molecular and cellular biology; present position : research assistant, MDS Pharmaceutical Services, Montreal)
12/2002-	Julie Bédard, molecular and cellular biology
03-06/2004	Huijuan Gao, MD, pediatrician, Medical University of China, molecular biology training
09/2004-	Patricia L’Archer BSc, biology
01-02/2005	Sophie Dubuisson MSc, cell biology
06-09/2005	Julie Strecko, MSc biomedical sciences
05-08/2006	Simon Archambault, DEC biotechnologies
05-08/2007	Stéphanie Morin, DEC biotechnologies

SECTION V- RESEARCH

A- Research projects, scholarships and funding :

1) Scholarships/visiting scientist awards :

1988 -1991	Scholarship “chercheur-boursier Junior 1” from FRSQ
1991 -1994	Scholarship “chercheur-boursier Junior 2” from FRSQ
1994 -2000	Scholarship “chercheur-boursier Sénior” from FRSQ
2000-2005	Scholarship “chercheur-boursier National” from FRSQ
1996-1997	Visiting scientist award MRC-CNRS 01-30/10/1996; \$1600
1996-1997	Visiting scientist research award FRSQ France- Quebec exchange program 01/1996-12/1997; \$3,200
2000-2001	Visiting scientist award Centre Jacques-Cartier Lyon, France, 25/11/-03/12/2000; \$1000
2006-2008	Visiting scientist research award FRSQ France- Quebec exchange program 04/2006-03/2008; \$4,000

2) Grants :

FRSQ :

FRSQ operating grant associated to Junior 1 scholarship, \$40,000, 1988-91.

FRSQ provincial network in geriatrics and gerontology operating grant to support the development and maintenance of a large colony of aging rats, \$3,000, 1995-98 (co-principal investigator with G Ferland, University of Montreal).

FRSQ provincial network in geriatrics and gerontology operating grant to support the maintenance of a large colony of aging rats, \$11,000, 07/1998-06/2000 (co-principal investigator with G Ferland, University of Montreal).

FRSQ provincial network in geriatrics and gerontology operating grant to support the maintenance of a large colony of aging rats, \$20,000, 07/2000-06/2001 (co-principal investigator with G Ferland, University of Montreal).

FRSQ provincial network in geriatrics and gerontology operating grant to support the maintenance of a large colony of aging rats, \$34,000, 07/2001-06/2002 (co-principal investigator with G Ferland, University of Montreal).

FRSQ provincial network in geriatrics and gerontology operating grant to support the maintenance of a large colony of aging rats, \$34,000, 07/2002-06/2003 (co-principal investigator with G Ferland, University of Montreal).

FRSQ provincial network in geriatrics and gerontology operating grant to support the maintenance of a large colony of aging rats, \$26,693, 07/2003-03/2004 (co-principal investigator with G Ferland, University of Montreal).

FRSQ provincial network in geriatrics and gerontology operating grant to support the maintenance of a large colony of aging rats, \$55,000, 04/2004-03/2005 (co-principal investigator with G Ferland, University of Montreal).

FRSQ provincial network in geriatrics and gerontology operating grant to support the maintenance of a large colony of aging rats, \$55,000, 04/2005-03/2006 (co-principal investigator with G Ferland, University of Montreal).

FRSQ provincial network in geriatrics and gerontology operating grant to support the maintenance of a large colony of aging rats, \$110,000, 04/2006-03/2007 (co-principal investigator with G Ferland, University of Montreal).

FRSQ provincial network in geriatrics and gerontology operating grant to support the maintenance of a large colony of aging rats, \$90,000, 04/2006-03/2007 (co-principal investigator with G Ferland, University of Montreal).

FRSQ provincial network in geriatrics and gerontology operating grant to support the research activities of the division on Nutrition and successful aging, \$35,000, 1995-98 (co-director with H Payette, University of Sherbrooke and 10 members from University of Montreal, University of Sherbrooke and University of McGill).

FRSQ provincial network in geriatrics and gerontology operating grant to support the research activities of the division on Nutrition and successful aging, \$120,000, 07/1998-06/2001 (co-director with H Payette, University of Sherbrooke and 14 to 16 members from University of Montreal, University of Sherbrooke and McGill University).

FRSQ provincial network in geriatrics and gerontology operating grant to support the research activities of the division on Nutrition and successful aging, \$97,000, 07/2001-06/2002 (co-director with H Payette, University of Sherbrooke and 16 members from University of Montreal, University of Sherbrooke and McGill University).

FRSQ provincial network on research in aging operating grant to support the research activities of the division on Nutrition and successful aging, \$97,000, 07/2002-06/2003 (co-director with H Payette, University of Sherbrooke and 16 members from University of Montreal, University of Sherbrooke and McGill University).

FRSQ provincial network on research in aging operating grant to support the research activities of the division on Nutrition and successful aging, \$60,000, 07/2003-03/2004 (co-director with H Payette, University of Sherbrooke and 16 members from University of Montreal, University of Sherbrooke and McGill University).

FRSQ provincial network on research in aging operating grant to support the research activities of the division on Nutrition and successful aging, \$35,000, 07/2004-03/2005 (co-director with H Payette, University of Sherbrooke and 16 members from University of Montreal, University of Sherbrooke and McGill University).

FRSQ provincial network on research in aging operating grant to support the strategic initiative NuAge of the division on Nutrition and successful aging, \$45,000, 07/2004-03/2005 (co-principal investigator: H Payette, P Gaudreau, J Morais, B Shatenstein, K Gray-Donald) from University of Montreal, University of Sherbrooke and McGill University).

FRSQ provincial network on research in aging operating grant to support the research activities of the division on Nutrition and successful aging, \$25,000, 07/2005-03/2006 (co-director with H Payette, University of Sherbrooke and 16 members from University of Montreal, University of Sherbrooke and McGill University).

FRSQ provincial network on research in aging operating grant to support the strategic initiative NuAge of the division on Nutrition and successful aging, \$35,000, 04/2005-03/2006 (co-principal investigator: H Payette, P Gaudreau, J Morais, B Shatenstein, K Gray-Donald) from University of Montreal, University of Sherbrooke and McGill University).

FRSQ provincial network on research in aging operating grant to support the strategic initiative NuAge of the division on Nutrition and successful aging, \$40,000, 04/2006-03/2007 (co-principal investigator: H Payette, P Gaudreau, J Morais, B Shatenstein, K Gray-Donald) from University of Montreal, University of Sherbrooke and McGill University).

FRSQ provincial network on research in aging operating grant to support the strategic initiative NuAge of the division on Nutrition and successful aging, \$40,000, 04/2007-03/2008 (co-principal investigator: H Payette, P Gaudreau, J Morais, B Shatenstein, K Gray-Donald) from University of Montreal, University of Sherbrooke and McGill University).

FRSQ provincial network on research in aging operating grant (from the budget of the division on Nutrition and successful aging) \$85,000, 07/2003-03/2005. P Gaudreau, G Ferland, and other members of the research axis on Nutrition and Successful Aging. Project title: Gene expression profiling of successful aging using DNA microarray.

FRSQ provincial network on research in aging pilot grant (from the budget of the division on Nutrition and successful aging) \$13,000, 01/2006-03/2006. A Khalil, B Shatenstein, P

Gaudreau, T Fulop, D Tessier, R Wagner, Research axis on Nutrition and Successful Aging. Project title: Consommation d'aliments fonctionnels riches en antioxydants au cours du vieillissement : régulation du stress oxydatif et impacts sur le système immunitaire et endocrinien : Étude pilote, Axe Nutrition et vieillissement réussi.

FRSQ provincial network on research in aging pilot grant (from the budget of the division on Nutrition and successful aging) \$15,000, 04/2006-03/2007. G Duque, F Picard, G Grenier, P Reboul, G Ferland and P Gaudreau The effect of caloric restriction on bone marrow adipogenesis of aging rats: A Pilot Study.

FRSQ provincial network on research in aging pilot grant (from the budget of the division on Nutrition and successful aging) \$13,750, 04/2007-03/2008. P Gaudreau, G Ferland, F Picard, G Duque, Grenier, A Khalil, T Fulop, R Wagner, D Jacques. Gene expression profiling in intra-visceral fat pads of male Sprague-Dawley : effects of aging and long-term moderate caloric.

FRSQ France-Quebec exchange program grant, \$16,000, 04/2006-03/2008. P Gaudreau and E Moyses. Aging and caloric restriction: Impact on neural and endocrine cell turn-over.

MRC/CIHR :

MRC operating grant for “Design of potent and selective analogs of GRF”, \$171,379, 1989-93.

MRC operating grant for “Étude génétique et biochimique des 2 protéines de la ribonucléotide réductase : une cible potentielle en thérapie antiherpétique”, (co-investigator with Langelier Y, Massie B, University of Montreal and Biotechnology Institute; total grant, \$429,504), \$125,500, 1991-95.

MRC operating grant for “Étude structurale de la ribonucléotide réductase des virus herpes pour un design rationel d'antiherpétiques”, (co-investigator with Langelier Y, Massie B, University of Montreal and Biotechnology Institute; total grant, \$25,000), \$5,000, 1994-95.

MRC operating grant for “Molecular characterization of growth hormone-releasing factor receptors in aging”, \$229,677, 1995-99.

CIHR operating grant for “Characterization and localization of hormone-releasing factor receptors in rat renal medulla”, \$187,257, 1998-2002.

CIHR operating grant for “Characterization and regulation of growth hormone-releasing hormone receptor isoforms in aging”, \$252,327, 1999-2003.

CIHR operating grant for “The renal growth hormone-releasing hormone receptor : characterization, localization and function”, \$234,375, 2002-2005.

CIHR operating group grant for “Nutrition as a determinant of successful aging : the Quebec

longitudinal study”, co-PI investigator with H Payette, K Gray-Donald, B Shatenstein, JA Morais, University of Montreal, Sherbrooke and McGill; \$3,766,500, 2003-2008.

CIHR operating grant for “Functional characterization and regulation of the pituitary growth hormone-releasing hormone receptor in animal model of successful aging”, \$300,000, 2003-2006.

CIHR Pilot Projects Grants in Aging for “Gene expression and successful aging”, \$50,000, 2005-2006.

CIHR Equipment and Maintenance Grants for “Nutrition as a determinant of successful aging: The Quebec longitudinal study (NuAge)”, co-PI investigator with H Payette, K Gray-Donald, B Shatenstein, JA Morais, University of Montreal, Sherbrooke and McGill; \$177,525, 2005-2006.

CIHR Operating grant for “Cellular glucotoxicity in somatotrophs: a model system to study diabetes and aging”, \$50,000, 2006-2007.

CIHR Pilot Projects Grants in Aging for “Regulation of brain peptide receptor systems controlling food intakes in an animal model of successful aging”, \$45,018, 2007-2008.

CIHR Team grant on frailty and aging. Co-principal investigators: Béland F and Tourigny A, co-applicants: P Gaudreau *et al.*, \$3,729,170, 2007-2012.

CIHR Pilot Projects Grants in Aging for “The effect of caloric restriction on osteogenesis of aging rats”, Principal investigator: Duque G, co-applicants: P Gaudreau *et al.*, \$49,976, 2007-2008.

CIHR Operating grant for “ Nutrition and sarcopenia as independent factors in the insulin resistance of aging”, Principal investigator: Morais JA, co-applicants: P Gaudreau *et al.*, \$417,918, 2007-2010.

CIHR Operating grant for “ The determinants of weight loss in a healthy free-living elderly population”, Principal investigator: Gray-Donald K, Payette H, co-applicants: P Gaudreau *et al.*, \$120,000, 2007-2010.

CFI :

CFI Innovation fund for “Biotechnology Platform for the study of complex human diseases”, co-investigator (PI : P Hamet, CHUM Research Center and UQAM), 4,413,894\$, 2004.

Other sources of peer-reviewed funding

Sandoz Foundation for Gerontological Research operating grant for “Molecular characterization of growth hormone-releasing factor receptors in rat and human pituitary

and thymus”, \$34,227, 1994-95.

France-Quebec visiting scientist (students and professors) program in health and medical research for “Molecular characterization of growth hormone-releasing factor receptors in aging” (coll. Gérard Morel, Institut Pasteur de Lyon), \$19,600, 1996-98.

Dairy Farmers of Canada/NSERC operating grant for “Protein modulation of neuroendocrine functions in aging rats”, \$79,000, 1997-1998.

Internal Funds from University of Montreal (CAFIR) for “Distribution et caractérisation des récepteurs du GRF dans le cerveau de rat”, \$5,033, 1989.

Internal Funds from University of Montreal (CAFIR) for “Production d'anticorps polyclonaux spécifiquement dirigés contre les segments synthétiques des récepteurs sérotoninergiques 5HT₂”, \$5,420, 1989.

Internal Funds from University of Montreal (CAFIR) for “Études des interactions entre les protéines src, GAP et ras à l'aide de peptides synthétiques” (Coll. Y. Langelier), \$5,000, 1990.

Internal Funds from University of Montreal (CAFIR) for “Caractérisation des récepteurs du GRF comme outil de développement de superagonistes”, \$5,000, 1992.

Internal Funds from University of Montreal (CAFIR) for “Caractérisation moléculaire des récepteurs du GRF au cours du vieillissement”, \$5,500, 1995.

Internal Funds from the Faculty of Medicine, University of Montreal (FIRFM) for “Electrophoresis and transfert system”, \$ 5,000, 1991.

Internal Special Grand in Aid from the vice-dean of the Faculty of Medicine, University of Montreal (FIRFM) for “the maintenance of a large colony of aging rats”, \$3,000, 1998.

Internal Funds from Notre-Dame Hospital Foundation for “U.V. detector”, \$5,000, 1988.

Internal Funds from Notre-Dame Hospital Foundation for “Distribution, caractérisation et rôle des récepteurs à la CCK”, \$10,000, 1990.

Internal Funds from Notre-Dame Hospital Foundation for “Caractérisation biochimique et pharmacologique des récepteurs hypophysaires et extrahypophysaires au GRF au cours du vieillissement”, \$20,000, 1993.

Internal Funds from Notre-Dame Hospital Research Center for “Caractérisation des récepteurs du GRF”, \$15,000, 1992.

Internal Funds from Notre-Dame Hospital Research Center for “Caractérisation moléculaire des récepteurs hypophysaires et extrahypophysaires au GRF au cours du vieillissement”, \$20,000, 1993.

Internal Funds from Notre-Dame Hospital Research Center for “Caractérisation moléculaire des récepteurs hypophysaires et extrahypophysaires au GRF au cours du vieillissement”, \$20,000, 1994.

3) Industrial partnerships :

Institut de recherche Servier for “La recherche d’un agoniste et/ou d’un antagoniste du facteur de libération de l’hormone à l’aide de librairies combinatoires de composés peptidomimétiques”, \$16,800, 06/1999-12/2001.

Theratechnologies Inc. “Evaluation of GHRH analogues binding parameters in vitro”, 25,968\$, 08/2002-07/2003.

Theratechnologies Inc. “Evaluation of GHRH analogues-induced cAMP production in vitro”, 20,220\$, 06/2003-07/2003.

Lab Pre-Clinical Research International Inc. “Evaluation of a GHRH superagonist *in vitro* and *in vivo*”, 66,321\$, 07/2002-09/2003.

4) Studentship and fellowship of past and present students :

MIGNEAULT Marlin, MRC summer studentship for “Caractérisation des récepteurs à la CCK dans l'hypophyse de rat”, \$3,400, 1989.

BOULANGER Luce, PhD studentship from Internal Funds of the Faculty of Medicine, University of Montreal (FIRFM) for “Caractérisation, isolation et purification du récepteur adénohypophysaire porcin du GRF”, \$ 12,500, 1991-92.

BOULANGER Luce, PhD studentship from Internal Funds of the Faculty of Graduate Studies for “Caractérisation, isolation et purification du récepteur adénohypophysaire porcin du GRF”, \$1,000, 1992-93.

LEFRANÇOIS Louise, MSc studentship from FRSQ/FCAR for “Étude des relations de structure-activité du GRF dans l'adénohypophyse de rat”, \$13,000/year, 1991-93.

CORNEA Virginia, PhD studentship from FCAR for “Localisation immunocytochimique cellulaire et subcellulaire des récepteurs de la sérotonine dans le système nerveux central”, \$10,000/year, 1992-94.

HERSI Ali, PhD studentship from the Alzheimer Society of Canada for “Interactions entre les systèmes dopaminergiques et cholinergiques hippocampiques et corticaux : vestigations anatomique et fonctionnelle”, \$15,000/year, 1991-94.

BOULANGER Luce, PhD studentship from FCAR for “Caractérisation moléculaire du récepteur adénohypophysaire au GRF chez le rat jeune et âgé”, \$17,332, 05/1993-09/1994.

HERSI Ali, PhD studentship from Fonds de la Recherche en Santé du Québec for “Interactions entre les systèmes dopaminergiques et cholinergiques hippocampiques et corticaux : investigations anatomique et fonctionnelle”, \$13,000/year, 1994-96.

BOULANGER Luce, PhD studentship from Fonds de la Recherche en Santé du Québec for “Caractérisation moléculaire du récepteur adénohypophysaire au GRF chez le rat au cours du vieillissement”, \$13,000, 10/1994-09/1995.

BOULANGER Luce, PhD studentship from Faculty of Graduate Studies, University of Montreal for “Caractérisation moléculaire du récepteur adénohypophysaire au GRF chez le rat au cours du vieillissement”, \$3,650, 09/1995-12/1995.

GRANDCLEMENT Béatrice, PhD studentship from the France-Québec exchange, Foreign Office, Quebec Government for “Studies on GRF receptor internalization processes in aging rat pituitary”, \$6,000, 01/05/1996- 31/10/1996.

HABDELMELEK Hafedh, post-doctoral fellowship from the France-Québec exchange, Foreign Office, Quebec Government for “Studies on GRF receptor internalization processes in aging rat pituitary”, \$6,000, 01/12/1997- 01/06/1998.

VEYRAT-DUREBEX Christelle, post-doctoral fellowship from “Ministère de l’Education, Gouvernement du Québec” for “Studies on GHRH receptor internalization processes in the aging rat pituitary”, \$ 24,000, 01/09/1999- 31/08/2000.

ROBINETTE Karin, M Sc studentship from FRSQ for “Regulation of the pituitary GHRH receptor by moderate calorie restriction and optimal protein intake in aging rats”, \$11,000, 01/09/1999- 30/04/2000 and \$15,000, 01/05/2000- 31/08/2000.

BOISVERT Chantale, PhD studentship from Faculty of Graduate Studies, University of Montreal for “Localization, characterization and function of the GHRH receptor in the rat kidney”, \$3,000, 01/11/1999- 31/10/2000.

VEYRAT-DUREBEX Christelle, post-doctoral fellowship from the FRSQ for “Studies on GHRH receptor internalization processes in aging rat pituitary”, \$30,000/year, 01/09/2000- 31/08/2003.

BOISVERT Chantale, PhD studentship from FRSQ for “ Localization, characterization and function of the GHRH receptor in the rat kidney ”, \$20,000/year, 01/08/2000- 31/07/2002.

VEYRAT-DUREBEX Christelle, travel award from Danone Institute to attend the Food Selection Symposium, Paris, 500 euros (\$632), December 1-2, 2000).

PARÉ Caroline, studentship in aid from Fonds d’investissement descycles supérieurs de l’université de Montréal (FICSUM) and Faculty of Graduate studies for submission of her MSc dissertation on “Localization, regulation and function of the GHRH receptor in the rat kidney”, \$4000, 01/02/2001-01/06/2001.

DUBUISSON Sophie, summer studentship R&D, University of Montreal/Pharmaceutical Industry partnership for the project "Internalization processes of pituitary and extra-pituitary GHRH receptors", \$3,600, 15/05/2001-15/08/2001.

STRECKO Julie, Summer MSc studentship from Association Diabète Québec for the project "Regulation and function of the GHRH receptor in diabetic rats", \$3,600, 1/07/2001-30/09/2001.

ROBINETTE Karin, studentship in aid from the Faculty of Graduate studies for submission of her MSc dissertation on "Regulation of the GHRH receptor in aging by caloric restriction and protein intake", \$2000, 01/09/2001-31/12/2001.

STRECKO Julie, MSc studentship "bourse d'excellence" from the sciences biomédicales graduate program for the project "Regulation and function of the GHRH receptor in diabetic rats", \$6000, 01/01/2002-31/12/2002.

STRECKO Julie, Summer PhD from Association Diabète Québec for the project "Regulation and function of the GHRH receptor in diabetic rats", \$3600, 01/07/2001-30/09/2001, declined.

STRECKO Julie, PhD studentship from FRSQ for the project "Regulation and function of the GHRH receptor in diabetic rats", 20,000\$/year, 01/08/2002-31/07/2005.

POMERLEAU Luc, studentship in aid from the Faculty of Graduate studies for submission of his MSc dissertation on "Expression and characterization of rat GHRH receptor", \$2000, 01/10/2002-30/12/2002.

DUBUISSON Sophie, Summer studentship R&D, University of Montreal/Pharmaceutical Industry partnership for the project "The renal GHRH receptor : development of a primary culture of purified Henle's loop cells and preliminary studies on receptor internalization", \$3,600, 13/05/2002-09/08/2002.

FARRAJOTA Katherine, summer studentship, University of Montreal for the project "The GHRH receptor and aging", \$3,600, 15/05/2002-16/08/2002.

DUBUISSON Sophie, MSc studentship from FRSQ for "Studies on the GHRH receptor in the Henle's loop", \$15,000/year, 01/01/2003-31/12/2004.

FARRAJOTA Katherine, summer studentship, University of Montreal for the project "Cellular glucotoxicity as model for aging of the GHRH receptor", \$4,000, 15/05/2003-16/08/2003.

THÉRIAULT Karyne, summer studentship, University of Montreal for the project "Dimerization of the GHRH receptor", bourse COPSE/FRSQ \$4,000, 15/05/2003-16/08/2003.

HOA Sabrina, Summer student from Brebeuf College, studentship from the department of medicine and CHUM Research Center), for the project "Diabetes : a model of accelerated aging?", \$3,000, 02/05/2003-08/08/2003.

BÉDARD Karine, MSc studentship “bourse de maîtrise” from the biomedical sciences graduate program for the project “Cell glucotoxicity as a model the pituitary GHRH receptor”, \$2000, 01/01/2004-31/12/2004.

THÉRIAULT Karyne, summer studentship, University of Montreal for the project “Dimerization of the GHRH receptor”, bourse COPSE/FRSQ \$4,000, 03/08/2004-03/11/2004.

HOA Sabrina, Summer student from Brebeuf College, studentship from Collège Brébeuf and CHUM Research Center), for the project “Studies on the NuAge cohort: nutrition as a determinant of successful aging”, \$2,000, 25/05/2004-13/08/2004.

DUBUISSON Sophie, PhD studentship from FRSQ for “ Mechanism of action and function of the renal GHRH receptor”, \$20,000/year, 01/01/2005- 31/12/2007, declined.

BÉDARD Karine, MSc studentship “bourse de maîtrise” from the biomedical sciences graduate program for the project “Cell glucotoxicity as a model of pituitary GHRH receptor aging”, \$2000, 01/01/2005-31/12/2005.

DUBUISSON Sophie, MSc studentship “bourse d’excellence” from the biomedical sciences graduate program for the project “ Studies on the GHRH receptor in the Henle’s loop, \$1,000/year, 01/01/2005- 31/12/2005.

DELSEMME-TERRIEN Andrée-Anne, Summer student from Brebeuf College, studentship from the department of medicine and CHUM Research Center), for the project “Impact d’une stimulation au GHRH sur la régulation du récepteur rénal et hypophysaire du GHRH et sur la prolifération des cellules somatotropes et de l’anse de Henlé ascendentes minces”, \$2,000, 30/05/2005-22/07/2005.

LALONDE Marie-Ève, summer studentship, University of Montreal for the project “Sensibilité des voies AMPc-PKA et MAPK au GHRH dans l’hypophyse de rats âgés nourris à satiété ou en restriction calorique modérée: impact sur le statut proliifératif ”, bourse COPSE/FRSQ \$4,250, 24/05/2005-12/08/2005.

GIROUX Geneviève, summer studentship, University of Montreal for the project “Sensibilité des voies AMPc-PKA et MAPK au GHRH dans l’hypophyse de rats âgés nourris à satiété ou en restriction calorique modérée: impact sur la synthèse et sécrétion de GH”, bourse COPSE/FRSQ \$4,250, 24/05/2005-12/08/2005.

BÉDARD Karine, studentship in aid from the Faculty of Graduate studies for submission of his MSc dissertation on “Cellular glucotoxicity as a model of pituitary GHRH receptor aging”, \$2000, 01/12/2005-30/11/2006.

BÉDARD Karine, MSc studentship from CHUM Research Center for project “Cell glucotoxicity as a model of pituitary GHRH receptor aging”, \$2000, 01/01/2006-31/12/2006.

THÉRIAULT Karyne, MSc studentship from CHUM Research Center for project “Cloning, characterization and role of a novel GHRH receptor in thin Henle’s loop cells”, \$2000, 01/01/2006-31/12/2006.

THÉRIAULT Karyne, MSc studentship from FRSQ for the project “Cloning, characterization and role of a novel GHRH receptor in thin Henle’s loop cells”, \$15000, 01/04/2006-31/03/2008.

BÉDARD Karine, PhD studentship from FRSQ for the project “Cell glucotoxicity of somatotroph: a model system to study aging and diabetes”, \$20,000, 30/09/2006-31/08/2009.

ESFAHANI Khashayar, Summer student from Brebeuf College, studentship from the department of medicine and CHUM Research Center), for the project “Rôle du GHRH dans la régulation de l’expression de sont récepteur rénal et la prolifération des cellules de l’anse de Henlé ascendantes minces *in vivo* somatotropes et de l’anse de Henlé ascendante mince *in vivo*, en condition normale et au cours d’un stress cellulaire ”, \$2,000, 29/05/2006-21/07/2006.

ESFAHANI Khashayar, Summer student from Brebeuf College, studentship from the department of medicine and CHUM Research Center), for the project “Rôle du GHRH dans la régulation de l’expression de sont récepteur rénal et la prolifération des cellules de l’anse de Henlé ascendantes minces *in vivo* somatotropes et de l’anse de Henlé ascendante mince *in vivo*, en condition normale et au cours d’un stress cellulaire ”, \$2,000, 28/05/2007-17/08/2007.

THÉRIAULT Karyne, MSc studentship of excellence from Banque Nationale/Faculty of graduate studies, University of Montreal for the project “Cloning, characterization and role of a novel GHRH receptor in thin Henle’s loop cells”, \$5000, 07/2007-06/2008.

B- Publications :

1) Book chapters

1. **Gaudreau P.** Cholecystokinin receptors in the brain. **In : Receptors and ligands in psychiatry** (Sen AK and T Lee Eds.), 431-453, 1988.
2. O'Donohue TL, Handelmann GE, Quirion R and **P Gaudreau.** Relationships between the roles of gastrointestinal peptides in the brain and periphery. **In : Peptide Hormones : Effects and Mechanisms of action.** (Negro-Vilar, L. and R. Conn, Eds.), 79-150, 1988.
3. **Gaudreau P**, Robinette K and Girard N. Régulation nutritionnelle et hormonale du récepteur adénohypophysaire du récepteur du facteur de libération de l'hormone de croissance. **Nutrition et vieillissement, L'Année érontologique**, (Bertièrè MC, Payette H, Guigoz Y, Vellas B Eds.), Serdi, France, 53-63, 1999.

2) Peer-reviewed publications

Legend : _____ : Students under my supervision
----- : Students from collaborators doing a part of their master or doctoral project, under my supervision

1. Drouin JN, **Gaudreau P**, St-Pierre SA, Regoli D. Structure-activity studies of [des-Arg⁹]-bradykinin on the B₁ receptor of the rabbit aorta. **Can J Physiol Pharmacol**, 57 : 562-566, 1979.
2. Drouin JN, **Gaudreau P**, St-Pierre S and Regoli D. Biological activities of kinins modified at the N- or at the C-terminal end. **Can J Physiol Pharmacol**, 57 : 1018-1023, 1979.
3. St-Pierre S, **Gaudreau P**, Drouin JN, Regoli D and Lemaire S. Synthesis of peptides by the solid-phase method. IV. Des-Arg⁹-bradykinin and analogs. **Can J Biochem**, 57 : 1084-1089, 1979.
4. Couture R, **Gaudreau P**, St-Pierre S and Regoli D. The dog common carotid artery : a sensitive bioassay for studying vasodilator effects of substance P and of kinins. **Can J Physiol & Pharmacol**, 58 : 1234-1244, 1980.
5. Regoli D, Barabe J, Marceau F, Couture R and **Gaudreau P.** Récepteurs des polypeptides vasoactifs. **Union Med Can**, 109 : 1-6, 1980.
6. **Gaudreau P**, Barabe J and St-Pierre S, Regoli D. Structure-activity study of kinins in vascular smooth muscles. **Can J Physiol & Pharmacol**, 59 : 380-389, 1981.

7. **Gaudreau P**, Barabe J, Regoli D and St-Pierre S. Pharmacological studies of kinins in venous smooth muscles. **Can J Physiol & Pharmacol**, 59 : 371-379, 1981.
8. **Gaudreau P**, Morell JL and Gross E. Formation of aminosuccinyl derivative from beta-phenacyl aspartyl peptides catalysed by sodium thyophenoxide. **Int J Peptide Protein Res**, 19 : 280-283, 1982.
9. Morell JL, **Gaudreau P** and Gross E. Cleavage of aspartyl Beta-phenacyl esters by selenophenol under neutral conditions. **Int J Peptide Protein Res**, 19 : 487-489, 1982.
10. Quirion R, **Gaudreau P**, St-Pierre S, Rioux R and Pert CB. Autoradiographic distribution of [³H]neurotensin receptors in rat brain : visualization by tritium-sensitive film. **Peptides**, 3 : 757-763, 1982.
11. Quirion R, **Gaudreau P**, St-Pierre S and Rioux F. Localization of neurotensin binding sites in rat kidney. **Peptides**, 3(5) : 765-769, 1982.
12. **Gaudreau P**, Quirion R, St-Pierre S and Pert CB. Tritium-sensitive film autoradiography of [[³H]cholecystokinin-5/pentagastrin receptors in rat brain. **Eur J Pharm** 87(1) : 173-174, 1982.
13. **Gaudreau P**, Quirion R, St-Pierre S and Pert CB. Characterization and visualization of cholecystokinin receptors in rat brain using [³H]Pentagastrin. **Peptides**, 4 : 755-762, 1983.
14. Crawley JN, St-Pierre S and **Gaudreau P**. Analysis of the behavioral activity of C- and N-terminal fragments of cholecystokinin octapeptide. **J Pharmacol Exp Ther**, 230 : 438-444, 1984.
15. **Gaudreau P**, St-Pierre S, Pert CB and Quirion R. Cholecystokinin receptors in mammalian brain : a comparative characterization and visualization. **In : Neuronal Cholecystokinin, Proceedings of the First International Conference on Neuronal Cholecystokinin** (Vanderhaeghen JJ and Crawley, J Eds.). Ann New York Acad Sci, 448 : 198-229, 1985.
16. Quirion R, Csonka C, Étienne P, Nair NPV, Robitaille Y and **Gaudreau P**. **Neuronal Cholecystokinin, Proceedings of the First International Conference on Neuronal Cholecystokinin**. (Vanderhaeghen JJ and Crawley J Eds.) Ann New York Acad Sci, 448 : 624-626, 1985.
17. Quirion R, **Gaudreau P**, Martel JC, St-Pierre S and Zamir N. Possible interactions between dynorphin and dopaminergic systems in rat basal ganglia and substantia nigra. **Brain Res**, 331 : 358-362, 1985.
18. Quirion R and **Gaudreau P**. Strategies in neuropeptide receptor binding research.

- Neurosci Biobehav Rev**, 9 : 413-420, 1985.
19. Quirion R, Étienne P, Nair NPV, Pelletier G and **Gaudreau P**. Neuropeptide receptors in human forebrain : An autoradiographic study. **Ann of the NY Acad Sci**, 463 : 128-130, 1986.
 20. Cohen EA, **Gaudreau P**, Brazeau P and Langelier Y. Specific inhibition of herpesvirus ribonucleotide reductase by a nonapeptide derived from the carboxy terminus of subunit 2. **Nature**, 321(6068) : 441-443, 1986.
 21. Cohen EA, **Gaudreau P**, Brazeau P and Langelier Y. Neutralization of herpes simplex virus ribonucleotide reductase activity by an oligopeptide-induced antiserum directed against subunit H₂. **J Virol**, 60 : 1130-1133, 1986.
 22. **Gaudreau P**, Chieuh M, St-Pierre R, Quirion R, Pert CB and Pert A. Localization of cholecystinin receptors in relation to the nigrostriatal and mesolimbic dopaminergic pathways. **Neuropeptides**, 9 : 283-293, 1987.
 23. Cohen EA, Paradis H, **Gaudreau P**, Brazeau P and Langelier Y. Identification of viral polypeptides involved in pseudorabies virus ribonucleotide reductase activity. **J Virol**, 61(6): 2046-2049, 1987.
 24. Lapierre H, Petitclerc D, Dubreuil P, Pelletier G, **Gaudreau P**, Morisset J, Couture Y and Brazeau P. Synergism between a human growth hormone-releasing factor and thyrotropin-releasing factor on growth hormone release in relation with the stage of lactation of Holstein dairy cows. **Reprod Nutr Develop**, 27 : 605-607, 1987.
 25. Dubreuil P, Pelletier G, Petitclerc D, Lapierre H, Couture Y, Morisset J, **Gaudreau P** and Brazeau P. Effect of growth hormone-releasing factor (1-29)NH₂ and thyrotropin releasing-factor on growth hormone release in lactating sows. **Reprod Nutr Develop**, 27(2B) : 601-603, 1987.
 26. **Gaudreau P**, St-Pierre S and Pert CB. Structure-activity studies of C- and N-terminal fragments of cholecystinin 26-33 in guinea pig isolated tissues. **Neuropeptides**, 10 : 9-18, 1987.
 27. Petitclerc D, Pelletier G, Lapierre H, **Gaudreau P**, Couture Y, Morisset J and Brazeau P. Dose response of two synthetic human growth hormone-releasing factors on growth hormone release in heifers and pigs. **J Anim Sci**, 65 : 996-1005, 1987.
 28. Lapierre H, Petitclerc D, Pelletier G, Dubreuil P, Morisset J, **Gaudreau P**, Couture Y and Brazeau P. Synergism and diurnal variations of human growth hormone-releasing factor (1-29)NH₂ and thyrotropin-releasing factor on growth hormone release in dairy calves. **Dom Anim Endocrinol**, 4 : 207-214, 1987.

29. Pelletier G, Petitclerc D, Lapierre H, Bernier-Cardoux M, Morisset J, **Gaudreau P**, Couture Y and Brazeau P. Injection of synthetic human growth hormone-releasing factors in dairy cows 1. Effect on feed intake and milk yield and composition. **J Dairy Sci**, 70 : 2511-2517, 1987.
30. **Gaudreau P**, Michaud J, Cohen EA, Langelier Y and Brazeau P. Structure-activity studies on synthetic peptides inhibiting herpes simplex virus ribonucleotide reductase. **J Biol Chem**, 262 : 12413-12416, 1987.
31. **Gaudreau P**, Michaud J, Langelier Y and Brazeau P. Structure-activity relationship of peptides inhibiting the ribonucleotide reductase of herpes simplex. In : **Pharmacology, Proceedings of the Xth International Congress of Pharmacology** (Rand, I.M. and C. Raper, Eds.). Exc. Med. Int. Congress Series, 750 : 687-690, 1987.
32. Dubreuil P, Pelletier G, Petitclerc D, Lapierre H, Couture Y, Brazeau P, **Gaudreau P** and Morisset J. Influence of age and sex on basal secretion of growth hormone (GH) and on GH-induced release by porcine GH-releasing factor pGRF(1-29 NH₂) in growing pigs. **Dom Anim Endocrinol** 4 : 299-307, 1987.
33. Lapierre H, Pelletier G, Petitclerc D, Dubreuil P, Morisset J, **Gaudreau P**, Couture Y and Brazeau P. Effect of human growth hormone-releasing factor hGRF (1-29 NH₂) on growth hormone release and milk production in dairy cows. **J Dairy Sci** 71 : 92-98, 1988.
34. Deslauriers N, **Gaudreau P** and Brazeau P. Long-term maintenance of growth hormone secretion in perfused rat anterior pituitary cells. **Regul Peptides**, 20 : 261-271, 1988.
35. Dubreuil P, Lapierre H, Pelletier G, Petitclerc D, Couture Y, **Gaudreau P**, Morisset J and Brazeau P. Serum growth hormone release during a 60 hour period in growing pigs. **Dom Anim Endocrinol**, 5 : 157-164, 1988.
36. Dubreuil P, Lapierre H, Pelletier G, Petitclerc D, Couture Y, **Gaudreau P**, Morisset J and Brazeau P. Serum growth hormone release in response to a growth hormone-releasing factor analog during and after anesthesia in pigs. **Can J Vet Res**, 52 : 304-307, 1988.
37. Robert S, De Passillé AMB, St-Pierre N, Dubreuil P, Pelletier G, **Gaudreau P**, and Brazeau P. Effect of stage of lactation and of daily injections of GRF and TRF on serum cortisol in lactating sows. **Can J Anim Sci** 68 : 689-697, 1988.
38. Dubreuil P, Pelletier G, Petitclerc D, Lapierre H, Couture Y, **Gaudreau P**, Morisset J and Brazeau P. Influence of growth hormone-releasing factor and(or) thyrotropin-releasing factor on somatotropin, prolactin, triiodothyronine and thyroxine release in growing pigs. **Can J Anim Sci**, 68 ; 699-709, 1988.

39. Lapierre H, Pelletier G, Petitclerc D, Dubreuil P, Morisset J, **Gaudreau P**, Couture Y and Brazeau P. Effect of two month treatment with growth hormone-releasing factor on growth hormone release in dairy cows. **Can J Anim Sci**, 68 : 731-740, 1988.
40. Lapierre H, Pelletier G, Petitclerc D, Dubreuil P, Morisset J, **Gaudreau P**, Couture Y and Brazeau P. Effect of two months treatment with growth hormone-releasing factor on milk production and plasma constituents in dairy cows. **Can J Anim Sci**, 68 : 741-749, 1988.
41. Paradis H, **Gaudreau P**, Brazeau P and Langelier Y. Mechanism of inhibition of herpes simplex virus (HSV) ribonucleotide reductase by a nonapeptide corresponding to the carboxy terminus of its subunit 2 : specific binding of a photoaffinity analog, [4'-azido Phe⁶]HSV H2 - (6-15), to subunit 1. **J Biol Chem**, 263 : 16045-16050, 1988.
42. Dubreuil P, Pelletier G, Couture Y, Lapierre H, Petitclerc D, Morisset J, **Gaudreau P** and Brazeau P. Castration and testosterone effects on endogenous and somatotropin-induced growth hormone release in intact and castrated male pigs. **Dom Anim Endocrinol**, 5 : 15-24, 1988.
43. Dubreuil P, Pelletier G, Petitclerc D, Lapierre H, **Gaudreau P**, Brazeau P. Effects of active immunization against somatostatin on serum growth hormone concentration in growing pigs : influence of fasting and repetitive somatotropin injections. **Endocrinology**, 125 : 1378-1384, 1989.
44. Renier G, **Gaudreau P**, Deslauriers N and Brazeau P. *In vitro* and *in vivo* growth hormone responsiveness to growth hormone-releasing factor in male and female Zucker rats. **Neuroendocrinol**, 50 : 454-459, 1989.
45. Ringuet H, Petitclerc D, Sorensen MT, **Gaudreau P**, Pelletier G, Morisset J, Couture Y and Brazeau P. Effect of human somatotropin-releasing factor and photoperiods on carcass parameters and mammary gland development of Dairy Heifers. **J Dairy Sci**, 72 : 2928-2935, 1989.
46. **Gaudreau P**, Paradis H, Langelier Y and Brazeau P. Synthesis and inhibitory potency of peptides corresponding to the subunit 2 C-terminal region of herpes virus ribonucleotide reductases. **J Med Chem**, 33 : 723-730, 1990.
47. Lapierre H, Petitclerc D, Pelletier G, Delorme L, Dubreuil P, Morisset J, **Gaudreau P**, Couture Y and Brazeau P. Effect of growth hormone-releasing factor and(or) thyrotropin-releasing factor on hormone concentrations and milk production in dairy cows. **Can J Anim Sci**, 70 : 175-189, 1990.
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 201. **Gaudreau P**, Robinette K, Veyrat-Durebex C, Strecko J, Ferland G and Farrajota K. Mechanisms of aging of the growth hormone-releasing hormone receptor. Eleventh annual meeting of the Israel Society for Neurosciences. Neural plasticity 9 : 84, 2002.
 202. Farrajota K, Veyrat-Durebex C, Strecko J, **Gaudreau P**. Glucotoxicité cellulaire : une nouvelle approche de compréhension des mécanismes contribuant au vieillissement du récepteur du GHRH. Congrès annuel des stagiaires de recherche en santé de la Faculté de médecine, du CHUM et des Centres Hospitaliers et Instituts affiliés à l'Université de Montréal, Palais des Congrès de Montréal, Montreal, Canada, January 22, 2003.
 203. Dubuisson S, Boisvert C, **Gaudreau P**. Cellules d'anse de Henlé mince en culture : une approche valide pour étudier le processus d'internalisation du récepteur du GHRH. Congrès Annuel des stagiaires de recherche en santé de la Faculté de

médecine, du CHUM et des Centres Hospitaliers et Instituts affiliés à l'Université de Montréal. Palais des congrès de Montréal, Montreal, Canada, January 22, 2003.

204. Veyrat-Durebex C, Strecko J, Ferland G, Farrajota K, **Gaudreau P**. Mécanismes impliqués dans le vieillissement du récepteur du facteur de libération de l'hormone de croissance. Joint Symposium Mission de recherche France Québec 1998-2001, sur le vieillissement, Centre de Recherche de l'Institut Universitaire de Gériatrie de Sherbrooke et Réseau Québécois de Recherche sur le Vieillissement on LA RECHERCHE SUR LE VIEILLISSEMENT : ACCOMPLISSEMENTS ET ENJEUX DE LA PROCHAINE DÉCENNIE, Sherbrooke, Quebec, Canada, 7-9 mai 2003.
205. Bélanger E, Carrié I, Lavoie M-E, Rochford J, **Gaudreau P**, Ferland G. La restriction calorique diminue les déficits moteurs et cognitifs au cours du vieillissement chez les rats Sprague-Dawley. Joint Symposium Mission de recherche France Québec 1998-2001, sur le vieillissement, Centre de recherche de l'Institut de Gériatrie Universitaire de Gériatrie de Sherbrooke et Réseau Québécois de Recherche sur le Vieillissement on LA RECHERCHE SUR LE VIEILLISSEMENT : ACCOMPLISSEMENTS ET ENJEUX DE LA PROCHAINE DÉCENNIE, Sherbrooke, Quebec, Canada, 7-9 mai 2003.
206. Bélanger E, Carrié I, Lavoie M-E, Rochford J, **Gaudreau P**, Ferland G. Caloric restriction attenuates motor and cognitive declines during aging in male Sprague-Dawley rats. 46th Annual Meeting of the Canadian Federation of Biological Societies, Ottawa, Ontario, 11-15 juin 2003.
207. Pomerleau L, Veyrat-Durebex C, Robert A, Langlois D, **Gaudreau P**. Identification of receptor-binding pharmacophores of growth hormone-releasing hormone in BHK cells expressing the rat GHRH receptor. 33nd annual meeting of the Society for Neuroscience, Abst 470.18, p 69, New Orleans, USA, November 8-12, 2003.
208. Farrajota K, Veyrat-Durebex C, Strecko J, **Gaudreau P**. Glucotoxicité cellulaire comme modèle de vieillissement du récepteur du facteur de libération de l'hormone de croissance. Congrès Annuel des stagiaires de recherche en santé de la Faculté de médecine de l'Université de Montréal, Montreal, Canada, January 17, 2004.
209. Dumont Y, **Gaudreau P**, Langlois D, Thakur M, Fournier A, Quirion R. Characterization of Bodipy-conjugated fluo-neuropeptide Y analogs in Y₁, Y₂, Y₄ and Y₅ receptor assays. 7th Neuropeptide Y Meeting, Coimbra, Portugal, February 3-7, 2004.
210. Veyrat-Durebex C, Alliot J, **Gaudreau P**. Régulation du récepteur hypophysaire du facteur de libération de l'hormone de croissance avec l'âge : avancements dans la compréhension du phénomène de vieillissement réussi. 3^e Journée scientifique annuelle du Réseau québécois de recherche sur le vieillissement, , Quebec City, Quebec, Canada, May 14, 2004.

211. Payette H, Boutier V, Coulombe C, **Gaudreau P**, Gray-Donald K, Morais J, Shatenstein B, Dionne I, Ferland G, Fulop T, Jacques D, Kergoat MJ, Khalil A, Tessier D, Veyrat-Durebex C, Wagner R. L'information de la collecte des données pour l'étude longitudinale NuAge sur la nutrition comme déterminant d'un vieillissement réussi. 3^e Journée scientifique annuelle du Réseau québécois de recherche sur le vieillissement, Quebec City, Quebec, Canada, May 14, 2004.
212. **Gaudreau P**, Pomerleau L, Morais J, Khalil A, Dionne I, Ferland G, Fulop T, Gray-Donald K, Jacques D, Kergoat MJ, Payette H, Shatenstein B, Tessier D, Veyrat-Durebex C, Wagner R. Gestion informatisée de banques d'échantillons biologiques: l'exemple de l'étude NuAge. 3^e Journée scientifique annuelle du Réseau québécois de recherche sur le vieillissement, , Quebec City, Quebec, Canada, May 14, 2004.
213. Bédard K, Strecko J, Veyrat-Durebex C, Farrajota K, **Gaudreau P**. Chronic hyperglycemia regulates the pituitary growth hormone-releasing hormone receptor. Fifth International Symposium on Peptide Receptors: from Gene to Therapy, Montreal, Canada, July 31- August 4, 2004.
214. Veyrat-Durebex C, Alliot J, **Gaudreau P**. Regulation of the pituitary growth hormone-releasing hormone receptor in LOU rats: new insights to successful aging. Fifth International Symposium on Peptide Receptors:from Gene to Therapy, Montreal, Canada, July 31- August 4, 2004.
215. Pomerleau L, Veyrat-Durebex C, Langlois D, **Gaudreau P**. Identification of receptor-binding pharmacophores of ghrh in bhk cells expressing the rat ghrh receptor. Fifth International Symposium on Peptide Receptors:from Gene to Therapy, Montreal, Canada, July 31- August 4, 2004.
216. Dumont Y, **Gaudreau P**, Langlois D, Thakur M, Fournier A, Quirion R. Characterisation of Bodipy-conjugated fluo-neuropeptide y analogs in Y1, Y2, Y4 and Y5 receptor assays. Fifth International Symposium on Peptide Receptors:from Gene to Therapy, Montreal, Canada, July 31- August 4, 2004.
217. **Gaudreau P**. Restriction calorique modérée chez le rat: un modèle utile à la compréhension du phénomène de somatopause. Journée satellite sur le vieillissement , 32^{ème} Colloque de la SNE, La Grande Motte, Hérault, France, September 15, 2004.
218. Veyrat-Durebex C, Payette H, Alliot J, **Gaudreau P** and members of the Nutrition and successful aging axis of the quebec network of reseach on aging. Nutrition et vieillissement réussi : du modèle animal à l'homme. Journée satellite sur le vieillissement , 32^{ème} Colloque de la SNE, La Grande Motte, Hérault, France, September 15, 2004.
219. Gan L, Zheng W, Chabot J-G, Unterman TG, **Gaudreau P**, Quirion R.

220. Payette H, Boutier V, Coulombe C, **Gaudreau P**, Gray-Donald K, Morais J, Shatenstein B, Dionne I, Ferland G, Fulop T, Jacques D, Kergoat MJ, Khalil A, Tessier D, Veyrat-Durebex C, Wagner R. A computer-base data collection for the quebec longitudinal study of nutrition as a determinant of successful aging. Fourth european congress on nutrition and health in the elderly, Toulouse, France, November 4-5, 2004.
221. **Gaudreau P**, Pomerleau L, Morais J, Khalil A, Dionne I, Ferland G, Fulop T, Gray-Donald K, Jacques D, Kergoat MJ, Payette H, Tessier D, Veyrat-Durebex C, Wagner R. Computerized management of biospecimen repositories: the nuage cohort study example. Fourth european congress on nutrition and health in the elderly, Toulouse, France, November 4-5, 2004.
222. Dubuisson S, Bédard J, **Gaudreau P**. Voies de signalisation impliquées dans la régulation de l'expression du récepteur du ghrh dans l'anse de henlé mince. 7^{ème} Congrès annuel des étudiants, stagiaires et résidents du centre de recherche du CHUM, December 21, 2004.
223. Bédard K, Bédard J, Ferland G, **Gaudreau P** et membres de l'axe Nutrition et Vieillesse réussi du Réseau québécois de recherche sur le vieillissement. Effet de la restriction calorique et de la qualité des apports protéiques sur la régulation des gènes hypothalamiques et hypophysaires. 7^{ème} Congrès annuel des étudiants, stagiaires et résidents du centre de recherche du CHUM, December 21, 2004.
224. Thériault K, Pomerleau L, **Gaudreau P**. Étude de dimérisation du récepteur du facteur de libération de l'hormone de croissance. 7^{ème} Congrès annuel des étudiants, stagiaires et résidents du centre de recherche du CHUM, December 21, 2004, Abrégé 102.
225. Thériault K, Pomerleau L, **Gaudreau P**. Étude de dimérisation du récepteur du facteur de libération de l'hormone de croissance. 6^{ème} Congrès annuel des stagiaires de recherche en santé de l'Université de Montréal, Montreal, Quebec, Canada, January 22, 2005.
226. Bédard K, Bédard J, Ferland G, **Gaudreau P** et membres de l'axe Nutrition et Vieillesse réussi du Réseau québécois de recherche sur le vieillissement. Effet de la restriction calorique et de la qualité des apports protéiques sur la régulation des gènes hypothalamiques et hypophysaires. 4^{ème} Journée scientifique annuelle du Réseau québécois de recherche sur le vieillissement, Montréal, Quebec, Canada, April 29, 2005.

227. Payette H, **Gaudreau P**, Gray-Donald K, Morais J, Shatenstein B, Dionne I, Ferland G, Fulop T, Jacques D, Kergoat MJ, Khalil A, Tessier D, Wagner R. The Quebec longitudinal study of nutrition as a determinant of successful aging. 18th World Congress on gerontology, Rio de Janeiro, Brazil, June 26-30, 2005.
228. Bédard K, Bédard J, Ferland G, **Gaudreau P** and members of the Successful Aging axis, Quebec Research Network on Aging, Quebec network of research on aging. Effects of long-term dietary interventions on gene regulation of the aging rat anterior pituitary and hypothalamus. 18th World Congress on gerontology, Rio de Janeiro, Brazil, June 26-30, 2005.
229. **Gaudreau P**. Théories du vieillissement et marqueurs biologiques. 26^{ème} Congrès annuel de la Société québécoise de biologie clinique, Drummondville, Canada, October 19-21, 2005.
230. Thériault K, Pomerleau L, Langlois D, **Gaudreau P**. Caractérisation du récepteur hypophysaire de rat du facteur de libération de l'hormone de croissance (GHRH-R) et de ses isoformes. 8^{ème} Congrès annuel des étudiants, stagiaires et résidents du centre de recherche du CHUM, December 20, 2005, Abstract 107.
231. Bédard K, Farrajota K, Thériault K, Langlois D, Bédard J, **Gaudreau P**. Glucotoxicité cellulaire comme modèle de vieillissement du récepteur du GHRH. 8^{ème} Congrès annuel des étudiants, stagiaires et résidents du centre de recherche du CHUM, December 20, 2005, Abstract 59.
232. Lalonde M-È, **Gaudreau P**. Sensibilité des cellules somatotropes au facteur de libération de l'hormone de Croissance : impact sur le statut prolifératif. 7^{ème} Congrès annuel des stagiaires de recherche en santé de l'Université de Montréal, Montreal, Quebec, Canada, January 21, 2006.
233. Giroux G, **Gaudreau P**. Caractérisation *in vitro* des cellules somatotropes de rats âgés: impact de la restriction calorique modérée de longue durée. 7^{ème} congrès annuel des stagiaires de recherche en santé de l'université de montréal, montreal, Quebec, Canada, January 21, 2006.
234. Bédard K, Bédard J, Ferland G, **Gaudreau P** et les membres de l'axe nutrition et vieillissement réussi du Réseau québécois de recherche sur le vieillissement. Effects of long-term caloric restriction on anterior pituitary and hypothalamic gene regulation. American Aging Association -35th Annual Meeting, Boston, MA, June 2-5, 2006.
235. Morais JA, Hassaine A, Fulop T, Tessier D, Khalil A, Dionne I, Shatenstein B, **Gaudreau P**. Association de l'adiposité à la résistance insulinique chez les aînés fragilisés. VIII^{ème} Congrès International francophone de gérontologie et de gériatrie, Quebec City, Quebec, Canada, October 1-4, 2006, page 271.

236. Khalil A, **Gaudreau P**, Shatenstein B, Fülöp T, Wagner R, Tessier D. Consommation d'aliments fonctionnels et marqueurs de stress oxydatif au cours du vieillissement : L'étude NuAge. . VIII^{ème} Congrès International francophone de gérontologie et de gériatrie, Quebec City, Quebec, Canada, October 1-4, 2006, Canadian Journal on Aging, Vol. 25, supplement 1, page101.
237. Payette H, Shatenstein S, Morais JA, Gray-Donald K, **Gaudreau P**. L'étude longitudinale québécoise sur la nutrition et le vieillissement réussi « NuAge ». . VIII^{ème} Congrès International francophone de gérontologie et de gériatrie, Quebec City, Quebec, Canada, October 1-4, 2006, Canadian Journal on Aging, Vol. 25, supplement 1, page 99.
238. Bédard J, Bédard K, Ferland G, **Gaudreau P** et les membres de l'axe nutrition et vieillissement réussi du Réseau québécois de recherche sur le vieillissement.Effet de la restriction calorique sur la régulation des gènes hypothalamiques et hypophysaires. . VIII^{ème} Congrès International francophone de gérontologie et de gériatrie, Quebec City, Quebec, Canada, October 1-4, 2006, Canadian Journal on Aging, Vol. 25, supplement 1, page 84.
239. Bédard K, Thériault K, Langlois D, Bédard J, **Gaudreau P**. Effets de la glucotoxicité sur le récepteur adénohypophysaire du GHRH. . VIII^{ème} Congrès International francophone de gérontologie et de gériatrie, Quebec City, Quebec, Canada, October 1-4, 2006, Canadian Journal on Aging, Vol. 25, supplement 1, page 218.
240. Thériault K, Delsemme-Therrien AA, Castelain L, Ferland G, **Gaudreau P**. Effet du GHRH sur la synthèse d'ADN dans les cellules d'anse de Henlé mince de rats jeunes et âgés. . VIII^{ème} Congrès International francophone de gérontologie et de gériatrie, Quebec City, Quebec, Canada, October 1-4, 2006, Canadian Journal on Aging, Vol. 25, supplement 1, page 129.
241. Ferland G, **Gaudreau P**, Bélanger E . Effet modulateur de la restriction calorique sur les sphingolipides cérébraux. . VIII^{ème} Congrès International francophone de gérontologie et de gériatrie, Québec, Québec, Canada, October 1-4, 2006; Canadian Journal on Aging, Vol. 25, supplement 1, page 34.
242. Thériault K, Castelain L, Delsemme-Therrien AA, Ferland G, **Gaudreau P**. Effet du GHRH sur la synthèse d'ADN dans les cellules d'anse de Henlé mince de rats jeunes et âgés. 9^{ème} Congrès annuel des étudiants, stagiaires et résidents du Centre de recherche du CHUM, December 19, 2006, Abrégé 114.
243. Moyse E, Lebrun B, Bariohay B, Tardivel C, Jean A, Ferland G, **Gaudreau P**. BDNF et complexe vagal dorsal: relation avec les troubles de la prise alimentaire liés au vieillissement? Second Mediterranean Conference of Neurosciences 2006, Marrakech, Maroc, December 13-15, 2006.
244. **Gaudreau P**, Payette H, Khalil A, Shatenstein B, Dionne I, Brochu M, Gray-Donald

- K, Morais J, Ferland G, Fulop T, Jacques D, Kergoat MJ, Tessier D, Wagner R. Nutrition as a Determinant of Successful Aging: The Quebec Longitudinal Study «NuAge» Edmonton Aging Symposium, Edmonton, Canada March 30-31, 2007.
245. Fillebeen C, Cloutier A, Arseneault M, **Gaudreau P**, Ferland G, Pantopoulos K, Ramassamy C. Effects of caloric restriction on the age-related variation of the expression of proteins involved in iron homeostasis and oxidative. International Bioiron Society 2007 Conference, Kyoto, Japan, April 1-6.
246. Rivas D, Henderson J, Li W, Ferland P, **Gaudreau P**, Duque G. Assessment of bone changes in an animal model of healthy aging. 12th Annual McGill Geriatric Medicine Research Day, McGill University, Montreal, April 27, 2007.
247. Duque G, Picard F, Grenier G, Reboul P, Ferland, **Gaudreau P**. Effect of long-term moderate caloric restriction on bone marrow adipogenesis of aging rats. 2007 Annual Scientific Meeting of the American Geriatrics Society, Seattle, Washington, May 2-6, 2007.
248. Thériault K, Bédard J, **Gaudreau P**. Clonage du récepteur du facteur de libération de l'hormone de croissance dans la médulla rénale. XIII^{ème} Journée scientifique du Programme de biologie moléculaire, Montreal, May 2, 2007.
249. **Gaudreau P**, Thériault K, Bédard J. Receptor-mediated action of growth hormone-releasing hormone in the renal medulla: oddity or novel function for a hypothalamic peptide? The First Chinese International bioactive Neuropeptide Conference, Beijing, China, May 10-13, 2007.
250. Thériault K, Pomerleau L, Langlois D, **Gaudreau P**. Binding and signaling properties of the native growth hormone-releasing hormone receptor and its variants. 20th American Peptide Symposium, Montreal, June 26-30, 2007.
251. Duque G, Rivas D, Henderson J, Li W, Ferland P, **Gaudreau P**. Assessment of bone changes in an animal model of healthy aging. Gerontological Society of America meeting, San Francisco, CA, November 16-20.
252. Thériault K, Castelain L, Delsemme-Therrien AA, Ferland G, **Gaudreau P**. Effet du GHRH sur la synthèse d'ADN dans les cellules d'anse de Henlé mince de rats jeunes et âgés. 34^{ème} Colloque de la Société de Neuroendocrinologie, Tours, France, September 25-27.
253. Bédard K, Thériault K, Langlois D, Bédard J, **Gaudreau P**. Effet de la glucotoxicité cellulaire sur le récepteur hypophysaire du facteur de libération de l'hormone de croissance. 34^{ème} Colloque de la Société de Neuroendocrinologie, Tours, France, September 25-27.
254. Payette H, Gray-Donald K, Trochet C, **Gaudreau P**, Morais J, Shatenstein B and

members of the Nutrition and Successful Aging Division, Quebec Research Network on Aging. The search for the best strategy for establishing a population representative elderly cohort: The Québec Longitudinal Study NuAge. 36th Annual Scientific & Educational Meeting, Canadian Association on Gerontology, Calgary, Alberta, Canada, November 1-3 novembre 2007.

5) **Patents :**

1. Antiviral peptides.

Inventors : Langelier Y, Cohen E, Brazeau P, Gaudreau P.

Canada, 505927, 20/05/1986, antiviral peptides.

Canada, 530250, 20/03/1987, means for treating herpes viruses.

USA, 46707, 07/05/1987, antiviral peptides and means for treating herpes infections.

Australia, 73210, 19/05/1987, antiviral peptides and means for treating herpes infections.

New-Zealand, 220365, 20/05/1987, antiviral peptides and means for treating herpes infections.

Japan, Sho 62-123605, 20/05/1987.

EPA, 87107327.6, 20/05/1987.

2. Marker for neurotensin receptor.

Inventors : Beaudet A, Faure M-P, Gaudreau P.

USA, 5760188, 02/06/1998, marker for neurotensin receptor.

Canada, CA2086453,01/07/1994, marker for neurotensin receptor.

3. Marker for growth hormone-releasing factor receptors.

Inventor : Gaudreau P.

USA, 5854216, 29/12/1998, marker for growth hormone-releasing factor receptors.

Canada, CA2158782, 24/03/1996, marker for growth hormone-releasing factor receptors.

4. Superagonists for growth hormone-releasing factor receptors.

Inventor : Gaudreau P.

USA, provisional patent application No 60/411340, filed 17/09/2002.

International patent application No PCT/CA03/01418, filed 18/09/2003

5. Growth hormone-releasing hormone; protection of renal tissue.

Inventor : Gaudreau P.

USA, provisional patent application, submitted 09/2007.

C- **Intra-institutional collaborations**

Dr Robert Collu, St-Justine Research Center, Montreal, Quebec, Canada : characterization

of growth hormone-releasing factor receptors in human placenta, 1996-1997.

Dr Guylaine Ferland, Department of Nutrition, University of Montreal, Montreal, Quebec, Canada : calorie restriction and aging, 1995-.

Dr Huy Ong, Faculty of pharmacy, University of Montreal, Montreal, Canada : regulation of cardiac GHRP receptors in aging rats; effects of long-term calorie restriction and protein intake, 2000-2001.

Members of the Successful Aging axis et the NuAge cohort study, Quebec Research Network on Aging, Quebec network of research on aging.

Dr Réjean Couture, Département de physiologie, Université de Montréal: développement d'agonistes fluorescents de la bradikinine, 2006-.

Dr Réjean Lapointe, Centre de Recherche du CHUM, Hôpital Notre-Dame: indoleamine 2,3-dioxygenase (IDO) production by human B lymphocytes, 2006-.

SECTION VI- CONTRIBUTION TO MANAGEMENT OF THE INSTITUTION

A- Participation to committee

Juries :

Jury member, Annual Research Day, Department of Medicine, University of Montreal, May 6, 1994.

Jury member, Annual Research Day, Department of Medicine, University of Montreal, May 29, 1998.

Jury member, Annual Research Day, Department of Medicine, University of Montreal, May 21, 1999.

Jury member, 3rd Annual Research Day, CHUM Research Center, University of Montreal, December 20, 2000.

Jury member, 4th Annual Research Day, CHUM Research Center, University of Montreal, December 20, 2001.

Jury member, 3rd Annual Research Day, Molecular Biology Programs, University of Montreal, April 26, May 10, 2002.

Jury member, 2nd Annual Research Day of undergraduate and graduate students of the Faculty of Medicine of the University of Montreal, CHUM Research Center and affiliated Research Centers and Institutes. Palais des congrès de Montréal, Montreal, Canada, January 22, 2003.

Jury member, 6th Annual Research Day, CHUM Research Center, University of Montreal, December 20, 2003.

Jury member, 7th Annual Research Day, CHUM Research Center, University of Montreal, December 21, 2004.

Jury member, 8th Annual Research Day, CHUM Research Center, University of Montreal, December 20, 2005.

Jury member, Annual Research Day, undergraduate summer research students, Faculty of Medicine, January 21, 2006.

Jury member, XII^e Research Day, molecular biology graduate programs, Clinical Research Institute, Montreal, April 28, 2006.

Jury member, 9th Annual Research Day, CHUM Research Center, University of Montreal, December 19, 2006.

Other committees :

Regular member, graduate studies committee, Dept. of Physiology, University of Montreal, 1993-.

Regular member, research project evaluation committee, Louis-Charles Simard Research Center, Notre-Dame Hospital, 1995-1998.

Regular member, environment committee, Louis-Charles Simard Research Center, Dame Hospital, 1997-1998.

Regular member, vice-principal's university research committee, University of Montreal, 1997-2001.

Member, editorial committee for the FRSQ grant application of the CHUM research Center, 2000.

President of the first evaluation committee for scholarship application by PhD/ non clinician MD researchers affiliated to clinical departments of the faculty of medicine, University of Montreal, Notre-Dame Hospital, March 13, 2002.

A- Administrative responsibilities

Chief of the laboratory of Neuroendocrinology of aging, CHUM Research Center, Notre-Dame Hospital, 1995-.

Researcher representative at the general syndicate of professor of the university of Montreal (SGPUM), 04/1995-04/2001.

Member of the negotiation team for SGPUM, 1997-2001 underwriting agreement.

Member of the negotiation team for SGPUM, 2000-2003 underwriting agreement.

Member of the consultative committee on "Computers for professors and researchers» for the general syndicate of professors of the University of Montreal (SGPUM), 2000-2002.

Member of the committee on the evaluation of conflict of interests, for the directeur of the department of Medicine, University of Montreal, 2004-.

CHUM Research Center representative and president, scientific committee VAL-CHUM (valorization of discoveries by researchers), 2005-.

CHUM Research Center director representative, Brebeuf College, "Graduation Gala", Montreal, June 16 2006.

CHUM Research Center representative, CÉGEP d'Ahuntsic, "Research day for the trainees program", Montreal, June 20 2006.

CHUM Research Center director representative, Brebeuf College, "Award ceremony for the summer trainees in biomedical research", Montreal, October 25 2006.

CHUM Research Center representative, CÉGEP d'Ahuntsic, "Research day for the trainees program", Montreal, June 15 2007.

Member of *statut du corps professoral de l'Assemblée Universitaire*, University of Montreal, June 28 2007-

SECTION VII- CONTRIBUTION TO RECOGNITION OF THE INSTITUTION

A- Lectures and organization of symposia/meetings

1) Invited lectures

1. First International Conference on Neuronal Cholecystokinin, Brussels, Belgium, July 1984.
2. Douglas Hospital Research Center, Verdun, Canada, December 1984.
3. Annual Meeting of the "Association des Biologistes Médicaux du Québec", Trois-Rivières, Canada, March 1985.
4. Searle Research and Development Division of G.D. Searle and Co. c/o Monsanto Company, St-Louis, Missouri, September 1986.
5. Bio-Mega Inc., Laval, Canada, April 1987.
6. Chemistry Department, Université du Québec, Montréal, Canada, April 1987.
7. IUPHAR, Symposium on New Approaches to antiviral chemotherapy, Sydney, Australia, August 1987.
8. Service d'endocrinologie, Notre-Dame Hospital, Montreal, Canada, November 1987. Canadian Federation of Biological Societies, Symposium on high performance liquid chromatography, Quebec, Canada, June 1988.
9. Physiology Dept., University of Montreal, Montreal, Canada, November 1988.
10. XIX^e Colloque, Société de Neuroendocrinologie Expérimentale, Rouen, France, September 1989.
11. Matinées des Chercheurs boursiers, 31^{ème} rencontre annuelle du Club de Recherche Clinique, Ste-Adèle, Québec, Canada, October 1989.
12. Chemistry Department, University of Waterloo, Waterloo, Canada, November 1989.
13. Réunion inter-hospitalière d'endocrinologie, Ste-Justine Hospital, Montreal, January 1992.
14. Biochemistry Dept, University of Montreal, March 1992.
15. Réunion mensuelle du groupe de recherche sur le NO, Notre-Dame Hospital

- Research Center, Montreal, June 1993.
16. Service d'endocrinologie, Notre-Dame Hospital, Montreal, Canada, March, 1994.
 17. Department of Neuropsychiatry, Tokyo Medical and Dental University, Tokyo, Japan, March, 1995: Characterization of the pituitary growth hormone-releasing factor receptor.
 18. First Meeting of the researchers of the University of Montreal Hospital Center, Mont-Tremblant, Quebec, Canada, November 23-25, 1995 : Mechanisms of action of GH secretagogues.
 19. Endocrinology department, Notre-Dame Hospital, Montreal, Canada, November, 1995.
 20. Summer Neuropeptide Conference, Martha's Vineyard, Massachusetts USA, June 23-27, 1996 : Symposium on neuropeptides as cognitive enhancers in the aged brain : hopes and realities. Growth hormone-releasing factor and its receptors in aging : Relevance to altered HPA functions.
 21. Ste-Justine Hospital Research Center, Montreal, Canada, September 27, 1996 : Contribution du facteur de libération de l'hormone de croissance et de ses récepteurs au processus d'altération du fonctionnement de l'axe somatotrope au cours du vieillissement.
 22. Institut Pasteur de Lyon, Lyon, France, December 10, 1996 : Caractérisation du récepteur du facteur de libération de l'hormone de croissance.
 23. Clinical Research Institute of Montreal, Annual meeting of the members of *Réseau québécois de Recherche en éthique clinique*, Montréal, June 11, 1996.
 24. Côtes-des-Neiges Hospital Research Center, Montreal, Canada, June 4, 1997 : Caractérisation du récepteur du facteur de libération de l'hormone de croissance au cours du vieillissement.
 25. 16th International Congress of Nutrition : Poster workshop Presentation on Nutrition and aging, Montreal, Canada, July 30, 1997 : Calorie restriction protects pituitary growth hormone-releasing factor receptor binding sites from age-related alterations.
 26. XXVIII^{ème} de la Société de Neuroendocrinologie, Symposium 1 : Nouvelles données sur la régulation de l'hormone de croissance, Marseille, France, May 25, 1999 : Axe somatotrope et vieillissement : importance du récepteur hypophysaire du facteur de libération de l'hormone de croissance.
 27. Institut de Recherche Servier, Paris, France, May 28, 1999 : Caractérisation et régulation du récepteur du facteur de libération de l'hormone de croissance au cours du vieillissement.
 28. Service d'endocrinologie du Centre Hospitalier de l'Université de Montréal, Montreal, June 18, 1999 : Axe somatotrope et vieillissement : importance du récepteur hypophysaire du facteur de libération de l'hormone de croissance.
 29. Fifth annual research day, department of geriatrics, McGill university, Montreal, April 28, 2000 : Development of a successful interdisciplinary team : a subtle mixture of science and management.
 30. 68^{ème} Congrès de l'Association canadienne française pour l'avancement de la science, University of Montreal, Montreal, May 15, 2000 : Colloque 156 : Nutrition et vieillissement : du modèle animal à l'homme. La restriction calorique modérée chez le rat : une stratégie de retardement de la somatopause.
 31. Département de biochimie de l'Université de Montréal, Montreal, June 6, 2000 : Axe somatotrope et vieillissement : importance du récepteur du facteur de libération de

- l'hormone de croissance.
32. Université Claude Bernard Lyon 1, Lyon/Villeurbanne, France, November 28 , 2000: Axe somatotrope et vieillissement : importance du récepteur du facteur de libération de l'hormone de croissance.
 33. Centre Paul Broca, Paris, France, November 30, 2000. Caractérisation et régulation du récepteur du facteur de libération de l'hormone de croissance.
 34. Centre de Recherche de l'hôpital Douglas, Verdun, Quebec, Canada, March 12, 2001 : Growth hormone-releasing hormone receptor and the somatopause.
 35. Joint meeting of 11th Annual Meeting of the European Neuropeptide Club and American Summer Neuropeptide Conference, Tel Aviv, Israel, May 10, 2001. Tissue specific regulation of the growth hormone-releasing hormone receptor in the aging rat : effect of calorie and protein restriction.
 36. 69^{ème} Congrès de l'Association canadienne française pour l'avancement de la science, University of Sherbrooke, Sherbrooke, Quebec, Canada, May 14, 2001: Colloque : Vieillesse biologique normale et pathologique. Rôle du facteur de libération de l'hormone de croissance au cours du vieillissement.
 37. Journée de retraite du Réseau Géro-geriatrie du Québec (FRSQ), Orford, Quebec, Canada, May 25, 2001 : Réseau Géro-geriatrie du Québec (FRSQ): Réflexion critique! Règles de fonctionnement, statuts et règlements.
 38. Centre de Recherche de l'Institut universitaire de gériatrie de Sherbrooke, Sherbrooke, Quebec, Canada, April 24, 2002 : Rôle du récepteur du facteur de libération de l'hormone de croissance au cours du vieillissement.
 39. Annual Meeting of the researchers of the University of Montreal Hospital Center, Laurentians, Quebec, Canada, November 21-23, 2002 : Régulation et fonction du récepteur du GHRH.
 40. Eleventh annual meeting of the Israel Society for Neurosciences. Eilat, Israel, December 15, 2002 : Mechanisms of aging of the growth hormone-releasing hormone receptor.
 41. Theratechnology, Montreal, March 28, 2003 : Mechanisms of aging of the growth hormone-releasing hormone receptor.
 42. Université de la Méditerranée, Marseille, France, September 13, 2004: Le récepteur du facteur de libération de l'hormone de croissance: caractérisation, régulation et fonctions.
 43. Journée satellite sur le vieillissement , 32^{ème} Colloque de la SNE, La Grande Motte, Hérault, France, September 15, 2004: Restriction calorique modérée chez le rat: un modèle utile à la compréhension du phénomène de somatopause.
 44. CHUM Research Center, Axe Signalisation hormonale et métabolisme, Montreal, May 4, 2005 : Régulation et fonction du récepteur du GHRH.
 45. Department of Nutrition, University of Montreal, September 28, 2005: Restriction calorique modérée chez le rat: un modèle utile à la compréhension du phénomène de somatopause.
 46. 26^{ème} congrès annuel de la Société québécoise de biochimie clinique, Drummondville, October 20, 2005: Théories du vieillissement et marqueurs biochimiques.
 47. Université de la Méditerranée, Marseille, France, December 8, 2005: Glucotoxicité des somatotropes: un modèle de convergent pour l'étude du diabète et du vieillissement.

48. Université de la Méditerranée, Marseille, France, December 7, 2006: Le récepteur rénal du facteur de libération de l'hormone de croissance : caractéristiques et rôle potentiel.
49. Centre Paul Broca, Paris, France, December 5, 2006. Le «vieillessement» du récepteur du GHRH: une affaire de glucotoxicité ?
50. Centre de Recherche de l'Institut Universitaire de gériatrie, Training day of research staff of the Quebec longitudinal study « NuAge », Montreal, CA, March 28, 2007. Serum free IGF-1, insulin and glucose, relationship with antropometric parameters, muscle strength and quality of the diet.
51. Edmonton Aging Symposium, University of Alberta, Edmonton, Canada, March 31, 2007. Nutrition as a Determinant of Successful Aging: The Quebec Longitudinal Study «NuAge»
52. Axe Santé cardiovasculaire et respiratoire, Centre de Recherche du CHUM, 30 avril 2007. Nutrition comme déterminant d'un vieillissement réussi: l'Étude Longitudinale «NuAge».
53. The First Chinese International bioactive Neuropeptide Conference, Beijing, China, May 12, 2007. Receptor-mediated action of growth hormone-releasing hormone in the renal medulla: oddity or novel function for a hypothalamic peptide?

2) Organisation of symposia/meetings

Member of the organizing committee of the XXIVth Meeting of the Society for Experimental Neuroendocrinology, held in Orford (Quebec), September 19-22 1995.

Co-chairperson (replacement of Catherine Strader) of the session entitled Peptide receptors : molecular biology and pharmacology, Peptide Receptors an International Multidisciplinary Symposium, held in Montreal, July 28-August 2 1996.

Co-chairperson of the discussion poster session entitled New compounds and physiopathology, Peptide Receptors an International Multidisciplinary Symposium, held in Montreal, July 28-August 2 1996.

Symposium organizer at the 68th meeting of Acfas : Nutrition and aging, entitled From the animal models to humans, held in Montreal, May 15-19, 2000.

Member of the organizing committee of the Peptide Receptors 2001 : an International Multidisciplinary Symposium, held in Montreal, July 29-August 2 2001.

Co-chairperson of the session entitled Peptide receptors : Neurological and neuro-endocrine disorders, Peptide Receptors 2001 : an International Multidisciplinary Symposium, held in Montreal, July 29-August 2 2001.

Co-president and organizer of the joint Symposium *Mission de recherche France Québec 1998-2001, sur le vieillissement*, Centre de Recherche de l'Institut Universitaire de Gériatrie de Sherbrooke et Réseau Québécois de Recherche sur le Vieillessement on *LA RECHERCHE SUR LE VIEILLISSEMENT : ACCOMPLISSEMENTS ET ENJEUX DE LA*

PROCHAINE DÉCENNIE, Sherbrooke, Quebec, Canada, May 7-9 2003.

Organizer and chair person of a round table on *the future France Quebec scientific collaboration in aging research*. Joint Symposium Mission de recherche France Québec 1998-2001, sur le vieillissement, Centre de Recherche de l'Institut Universitaire de Gériatrie de Sherbrooke et Réseau Québécois de Recherche sur le Vieillissement on *LA RECHERCHE SUR LE VIEILLISSEMENT : ACCOMPLISSEMENTS ET ENJEUX DE LA PROCHAINE DÉCENNIE*, Sherbrooke, Quebec, Canada, May 7-9 2003.

Member of the organizing committee and chairperson of the morning oral session of the Third Annual Research Day of the Réseau québécois de recherche sur le vieillissement, Quebec City, Quebec, Canada, May 14 2004.

Member of the organizing committee of the Peptide Receptors 2004 an International Multidisciplinary Symposium, Montreal, July 31- August 4 2004.

Member of the organizing committee of the 32^{ème} Colloque de la Société de Neuroendocrinologie expérimentale (France-Quebec), Montpellier, France, Septmeber 16-18, 2004.

Organizer of a mini-symposium on aging, 26^{ème} congrès annuel de la Société québécoise de biochimie clinique, October 20, 2005 and speaker on *Théories du vieillissement et marqueurs biochimiques*.

Member of the scientific organizing committee of the VIII^{ème} Congrès International francophone de gérontologie et de gériatrie, Quebec City, Quebec, Canada, October 1-4, 2006.

Co-organizer with H Payette of a Symposium entitled *L'étude longitudinale québécoise sur la nutrition comme déterminant d'un vieillissement réussi NuAge*, VIII^{ème} Congrès International francophone de gérontologie et de gériatrie, Quebec City, Quebec, Canada, October 1-4, 2006.

Co-chairperson of the session entitled DNA mutation-mitochondrial function, Edmonton Aging Symposium, University of Alberta, Edmonton, Canada, March 31, 2007.

Chairperson of Student travel awards committee, 20th American Peptide Symposium, Montreal, Quebec, Canada, June 2007.

Co-chairperson of the workshop: delivery peptide drug to physiological target, 20th American Peptide Symposium, Montreal, Quebec, Canada, June 23, 2007.

3) Collaborations

National :

Dr Chantal Farmer, Agriculture Canada, Lennoxville, Quebec, Canada : isolation and characterization of porcine placental growth hormone-releasing factor, 1996-1997.

Dr Rémi Quirion, Douglas Hospital Research Center, Verdun, Quebec, Canada : structure-function of β -amyloid peptides in rat brain, dopaminergic/cholinergic interactions in aging rat brain, 1993-1997
and design of fluorescent subtype selective NPY agonists, 1998-.

Dr Hung Huynh, McGill University, Quebec, Canada : regulation of IGF-I axis in the prostate of aging rats; effects of long-term calorie restriction and protein intake, 1998-1999.

Members of the Successful Aging axis et the NuAge cohort study, Quebec Research Network on Aging, Quebec network of research on aging, 2000-.

Dr Réjean Couture, Département de physiologie, Université de Montréal: développement d'agonistes fluorescents de la bradikinine, 2006-.

Dr Réjean Lapointe, Centre de Recherche du CHUM, Hôpital Notre-Dame: indoleamine 2,3-dioxygenase (IDO) production by human B lymphocytes, 2006-.

Users of the Aging rat colonies, Quebec network of research on aging (e.g. Ramassamy C (UQ, INRSS), Duque G (U McGill), Grenier G (U Sherbrooke), Picard F (U Laval), 2005- .

International :

Dr Gérard Morel, Institut Pasteur et Université Claude-Bernard, Lyon, France : structural and ultrastructural localization of GRF receptors by *in situ* hybridization and immunocytochemistry. Co-investigator in our France-Quebec visiting scientist (students and professors) program in health and medical research for "Molecular characterization of growth hormone-releasing factor receptors in aging" (1995-1999), 1995-2003.

Dr Josette Alliot, Université Blaise-Pascal, Aubière, Cédex, France : regulation of GHRH receptor expression in the aging Lou rat, a model of successful aging, 1996-2004.

Dr Peter Andersen, Novo Nordisk, Bagsvaerd Denmark : structure-function of the pituitary human GRF receptor, 1995-1997.

Drs Emmanuel Canet et Jean-Luc Fauchère, Institut de Recherche Servier : development of peptidomimetic GHRH receptor agonists and/or antagonists using combinatorial chemistry, 1999-2000.

Dr Hung Huynh, Laboratory of Molecular Endocrinology, Division of Cellular and Molecular

Research, National Cancer Center, Singapore : regulation of IGF-1 axis in the prostate and bladder, 1999-2000.

D^r Emmanuel Moyses. Laboratoire de Physiologie Neurovégétative, UMR CNRS 6153/INRA 1147, Université Aix-Marseille-3, Marseille, France, 2005- .

B) External professional expertise :

1) Jury/committees/administrative responsibilities

Jury member, MSc dissertation of Michel Germain (MSc Biology), Dept. Biology, University of Quebec in Montreal, February 1992.

Jury member, pre-doctoral exam of Daniel Ménard (PhD Pharmacology), Dept. of Pharmacology, University of Sherbrooke, April 1993.

Jury member, doctoral thesis of Corinne Szilagyi (PhD Biology), Dept. Biology, University of Sherbrooke, May 1993.

Jury member, doctoral thesis of Pierre Dagenais (PhD Pharmacology), Dept. of Pharmacology, University of Sherbrooke, May 1994.

Jury member, doctoral thesis of Marie-Pierre Faure Elkouby (PhD Neurological Sciences), Dept. Neurology and Neurosurgery, McGill University, August 1994.

Jury member, doctoral thesis of Daniel Ménard (PhD Pharmacology), Dept. of Pharmacology, University of Sherbrooke, September 28 1995.

Jury member, pre-doctoral exam of Richard Bouley (PhD Pharmacology), Dept. of Pharmacology, University of Sherbrooke, November 28 1995.

Jury member, doctoral thesis of Ali Hersi (PhD Neurological Sciences), Dept. Neurology and Neurosurgery, McGill University, July 19 1996.

Jury member, pre-doctoral exam of François Pomerleau (PhD Pharmacology), Dept. of Pharmacology, University of Sherbrooke, Sherbrooke, June 3 1997.

Jury member, thesis of Béatrice GrandClément entitled “Caractérisation ultrastructurale de l'expression des récepteurs des peptides natriurétiques” (diploma from École Pratique des Hautes Études), Lyon, France, November 24, 1997.

Jury member, doctoral thesis of Richard Bouley (PhD Pharmacology) entitled “Etude de structure-activité des positions 1 et 8 de l'Ang II sur les récepteurs AT1, AT2 et le site atypique de l'Ang II chez les gallinacés”, Dept. of Pharmacology, University of Sherbrooke, November 26, 1998.

Jury member, Ph.D. thesis of Elisabeth Tannenbaum (PhD Neurological Sciences) entitled

“Regulation of the HPA axis : age, diet and environmental influences”, Dept of Neurology and Neurosurgery, McGill University, June 7, 2000.

Member of the 1996 annual committee for the evaluation of candidatures for the Quebec Clinical Research Club Award “Prix Jeune Chercheur André Dupont”.

Member of the 1998 annual committee for the evaluation of candidature for “Matinée des chercheurs boursiers” of the Quebec Clinical Research Club.

Member of the review committee of RFA on Studies on molecular and neural mechanisms regulating the effects of caloric restriction in animal models, National Institute of aging, NIH, Bethesda MD, April 11-13, 2001.

Invited participant to the Canadian Institutes of Health Research National workshop on setting up of a LONGITUDINAL STUDY ON HEALTHY AGING, Ottawa, November 3-4, 2001.

Member of the Physical Measures Development committee for the Canadian Community Health Survey/Nutrition Focus Survey 2004, Health Canada, Ottawa, March 21, 2002.

Member of the biological measures group of the Longitudinal Study on Healthy Aging, CIHR Institute of Aging, 2003-.

Jury member for poster presentations in biochemistry, 6th Annual Chemistry and Biochemistry Research Conference, Annual Conference, Concordia University, Montreal, November 15, 2003.

Member, evaluation committee of abstracts (session 109, Nutrition), 72^{sd} Meeting of the Association francophone pour le savoir (Acfas), UQAM, Montreal, May 10-14 2004.

Jury member for poster presentations in biochemistry, 6th Annual Chemistry and Biochemistry Research Conference, Annual Conference, Concordia University, Montreal, November 15, 2003.

Jury member for poster presentations of the 32^{sd} Colloque de la Société de Neuroendocrinologie expérimentale (France-Quebec), La Grande Motte, France, September 16-18, 2004.

External reviewer for MRC/CIHR, FRSQ, Ontario Mental Health Foundation, the Kidney Foundation and FCAR, 1988-.

External reviewer for Endocrinology, Eur J Pharmacol, British J Pharmacol, Peptides, J Chem Neuroanatomy, Can J Physiol Pharmacol, New York Acad Sci, J Med Chem, Int J Pept Prot Res, Bioorg Med Chem Lett, Brain Res, Endocrine, Reviews in biology and biotechnology 1988-.

Scientific advisor for the “Fonds de la Recherche en Santé du Québec”, 1993-.

President, FRSQ student affairs committee, 2002-2003.

Member of the division on Nutrition and Successful Aging, FRSQ provincial network in gerontology and geriatrics, 01/01/1994-.

Co-director (with H Payette, University of Sherbrooke) of the division on Nutrition and Successful Aging, FRSQ provincial network of research on aging, 01/01/1998-15/01/2006.

Co-director (with G Ferland, University of Montreal) of the infrastructure “ Aging rat colonies, models of successful aging”, FRSQ provincial network in gerontology and geriatrics, 01/01/1995-.

Coordinator of the biospecimen repositories of the longitudinal study NuAge on nutrition and aging, 06/2003-.

Associate director of the Quebec network for research on aging, FRSQ provincial network, 01/02/2002-.

Elected member of the Scientific Council of the Society of Neuroendocrinology, France, 2006-.

Invited participant for expertise in BioBanking to the 2nd Longitudinal Working Meeting on Frailty and Aging, Longitudinal studies, Montreal, 18/03/2006.

Member, evaluation committee CEGEP d'Ahuntsic biotechnology program, Montreal, 23/03/2007.

2) Advisory board

Scientific advisor, Geneka Biotechnology Inc., Montreal, 1996-2002.

Scientific advisor, CRÉA Biotechnologies Inc, Sherbrooke, 2005-

3) Editorial board :

Reviews in biology and biotechnology, 2000-2002.

Special Editor of the Peptide Receptors 2001 Symposium, Canadian Journal of Physiology and Pharmacology, 2001.

Special Editor of the Peptide Receptors 2004 Symposium, Peptides, 2004.

C- Services to the community

1) **Public lectures, interviews, press conference**

Interview: Visa-Santé, Radio-Québec Broadcasting, television interview on the use of growth hormone in the aging population, November 15 and 18, 1995.

Interview: Le Match de la vie, TVA Broadcasting, television interview on the use of growth hormone in the aging population, April 23, 1997.

Interview: Les Années Lumières, Radio-Canada broadcasting, radio interview on the benefit of calorie restriction for successful aging, March 22, 1998.

Interview: L'Actualité, July 1999.

Interview: Clin d'oeil, Mai 2003.

Press Conference speaker for the launching of the NuAge study, the quebec longitudinal study on nutrition as determinant of successful aging, Institut universitaire de gériatrie de Sherbrooke Research Center, 24 février 2004; média present : Radio-Canada radiostation, Global TV (provincial broadcasting at 18h), Aînés Hébergement, the Record, La Tribune, Le journal de Sherbrooke, Radio-Canada, TQS and TVA television networks. Interviews with CHLT, cyberpresse.ca/La Tribune, AQG for the magazine Vie et vieillissement, La Presse.

Interview: La Presse-Cahier Affaires, *Le Québec, la province de l'hormone de croissance*, January 4, 2005

Interview: François-Nicolas Pelletier: mécanismes biologiques du vieillissement et longévité: Concours 2005, bourse de journalisme scientifique Fernand-Séguin, April 8, 2005. Prix spécial du jury avec un article intitulé Immortels? (www.acs.qc.ca).

Interview: Honors list, *Journal du CHUM*, Vol 9, No2, February 16, 2005.

Interview: François-Nicolas Pelletier: mécanismes biologiques du vieillissement et longévité. *Le Courrier international*, No 308, April 13, 2006. La science face au vieillissement: Aubrey de Grey veut vous rendre immortel.

Interview: Benoît Dutrizac, *Le Grand Journal*, TQS television network, la science face au vieillissement: les stratégies du bien vieillir, April 25, 2006.

Interview : Ginette Beaulieu, Média Science, for « PERSPECTIVES Science-Technologie-Société (STS) du Conseil de la science et de la technologie », Quebec government: DÉFI 1 : LES HABITUDES DE VIE, VIEUX ET PÉTANT DE SANTÉ... POURQUOI PAS ?, April 20, 2006.

Interview: Dan Hawaleshka, *Maclean's* magazine, Benefits of caloric restriction, November

29, 2006.

Interview: Pauline Gravel, Le Devoir, Les secrets du bien vieillir, November 9, 2006.

Interview: Jean-Charles Lanciault , Radio-Canada, Edmonton, the Quebec longitudinal Study “NuAge”, Goals and future benefits, March 30, 2007.

Interview: Natalie Salat, Legion Magazine, Kanata ON, the Quebec longitudinal Study “NuAge”, Goals and future benefits, April 2, 2007.

Interview: Jacob Berkowitz, CIHR, Healthy eating in the Golden Years: nutrition and aging. <http://www.cihr-irsc.gc.ca/e/34240.html>

Interview: Daniel Mathieu, Radio Canada Ottawa, Que retrouve-t-on dans l'assiette des aînés? June 11, 2007.

Interview for the Reader's Digest, Secrets for a long and healthy life, November issue, 2007.

2) Public articles

Molecular characterization of the growth hormone-releasing factor receptor in aging. Geronto-McGill, vol. 12, No.3, May 1996.

Comment préparer une demande de subvention.. Au chevet, Bulletin de liaison du Réseau FRSQ de recherche en éthique clinique, No 17, summer 1996.

Science here and now. Growth hormone and aging: the passion of Pierrette Gaudreau. Geronto-McGill, vol. 21, No.4, October 2005.

Science here and now. The NuAge cohort. Geronto-McGill, September issue, 2007

3) University representations

Hearing committee for the selection of a scientific director for the Hospital Center of the University of Montreal, January 14, 1997.

Meeting with the principal of the University of Montreal and the president and vice-president of the General Syndicate of the professors of the University of Montreal, on the underwriting contract issues for the researchers, January 15, 1997.

Meeting with the federal Bloc Québécois deputy of Brossard, Richard Belisle, to get support at the House of Common on the critical issues of financing research, January 16, 1997.

Meeting with the Federal Bloc Québécois deputy of Rimouski-Témiscouata, Suzanne Tremblay, critic on Research and Development issues, to get support at the House of

Common on the critical issues of financing research, February 13, 1997.