

BIOSKETCH

NAME BOURQUE, Charles William	<u>POSITIONS</u> James McGill Professor Departments of Medicine and Neurology-Neurosurgery, McGill University Associate Member Department of Physiology, McGill University Senior Scientist Research Institute of the MUHC		
eRA COMMONS USER NAME N/A			
EDUCATION/TRAINING <i>(Begin with baccalaureate or other initial professional education, such as nursing, and include postdoctoral training.)</i>			
INSTITUTION AND LOCATION	DEGREE	YEAR(s)	FIELD OF STUDY
University of Ottawa, Canada	B.Sc. (Hons)	1976-1980	Biology
McGill University, Canada	Ph.D.	1980-1984	Physiology
Marine Biological Laboratory, Woods Hole, USA	Certificate	1984	Biophysics
University of London, London, England	Postdoctoral	1984-1987	Pharmacology

A. Personal Statement

I am interested in the mechanisms responsible for central detection of circulating sodium, fluid osmolality and core body temperature. Our work examines how information detected by thermo- and osmo-sensitive neurons interacts with the brain's central clock to regulate thirst and vasopressin release. Our work also seeks to define how changes in cellular and synaptic properties affect homeostatic function in response to high salt intake and disease states that affecting cardiovascular function and/or fluid homeostasis.

Organization of conferences:

1990	Chairman & organizer	Physiology of vertebrate peptidergic terminals. >300 scientists. Symposium at the 20th meeting of the Society for Neuroscience.
1995	Co-Organizer	World Congress of Neurohypophysial Hormones. ~300 scientists. Le Centre Sheraton in Montreal. Co-Organized with H. Zingg & D. Bichet.
2000	Co-organizer	Synaptic physiology of Magnocellular Neurosecretory Neurons. >50 scientists. Tulane University New Orleans (Co-organizers: WE Armstrong & JG Tasker).
2003	Co-organizer	2nd Magnocellular Neurosecretory Neuron Workshop: >50 participants. Tulane University New Orleans, (Co-organizers: WE Armstrong & JG Tasker).
2006	Co-organizer	Leo Renaud Symposium - Canadian Physiological Society Meeting. >70 scientists. (Co-organizers: Q Pittman, A Ferguson, J Jhamandas, J Bains, W Colmers, T Krukoff).
2008	Co-organizer	Symposium: Neurobiology of Hydromineral Homeostasis. >80 scientists. 2nd Canadian association for neuroscience meeting (Co-organizer D. Mougnot).
2008	Organizer	Canadian Workshop on the Neurophysiology of Homeostasis. >30 Scientists. Held at the Montreal General Hospital in Montreal Canada.
2012	Co-organizer	3rd Magnocellular Neurosecretory Neuron Workshop: >50 participants. Tulane University New Orleans, (Co-organizers: WE Armstrong & JG Tasker).

Administrative positions in scientific Societies:

1994-1997	<i>Councillor</i>	Canadian Physiological Society - Executive Committee
1996-1999	<i>Member</i>	Canadian Association for Neuroscience - Board of Directors
2013-	<i>Councillor</i>	Canadian Association for Neuroscience – Board of Directors

Editorial Boards:

1998-present	Member of the Editorial Board	<i>Journal of Neuroendocrinology</i>
2000-2003	Member of the Editorial Board	<i>Journal of Physiology</i>
2014-present	Member of the Editorial Board	<i>Journal of Neurophysiology</i>

Honors:

(*declined)

1977	<i>Bourse de Langue Seconde</i>	MEGQ (Ministère de l'Éducation, Gouv. du Québec)
1980	<i>Dean's Honour List</i>	Sciences & Engineering, University of Ottawa
1980	<i>Studentship*</i>	M.Sc. Program, University of Calgary
1981	<i>Studentship</i>	CRSQ (Conseil Recherche Santé Québec)
1982-1984	<i>Studentship</i>	FRSQ (Fonds Recherche Santé Québec)
1984	<i>Fellowship</i>	MBL (Marine Biological Laboratory)
1985	<i>Dean's Honour List</i>	Graduate Studies & Research, McGill University
1984-1987	<i>Fellowship*</i>	FRSQ
1984-1987	<i>Fellowship</i>	MRC (Medical Research Council of Canada)
1986	<i>Travel Award</i>	CPS (Canadian Physiological Society)
1987-1990	<i>Chercheur-Boursier Junior I*</i>	FRSQ
1987-1992	<i>MRC Scholarship</i>	MRC
1989	<i>Visiting Lectureship</i>	AHFMR (Alberta Heritage Foundation Medical Research)
1991	<i>McGill Neuroscientist</i>	OQEP (Ontario-Quebec Neuroscience Exchange Program)
1992	<i>Chercheur-Boursier Senior I*</i>	FRSQ
1992-1997	<i>Scientist Award</i>	MRC
1995	<i>Visiting Lectureship</i>	AHFMR
1997-2002	<i>Senior Scientist Award</i>	MRC
2001	<i>Visiting Lectureship,</i>	AHFMR
2002-2007	<i>Senior Investigator Award</i>	CIHR (Canadian Institutes of Health Research)
2003	<i>Distinguished Lecturer</i>	Dept. Physiology, University of Saskatchewan
2004-2011	<i>James McGill Chair</i>	McGill University
2012-2018	<i>James McGill Chair</i>	McGill University
2013	<i>J Erlanger Distinguished Lecturer</i>	American Physiological Society (EB 2013 meeting)
2013	<i>Lecture Jacques Benoit</i>	Société de Neuroendocrinologie (France)
2016	<i>Fellow</i>	Royal Society of Canada
2016	<i>Award of Excellence</i>	John J. Day M.D. Legacy
2016	<i>Stevenson Lecturer</i>	Univ. Western Ontario – Physiol-Pharm Research Day