Curriculum Vitae

Dr Patrick G Burgon

Address

Primary Affiliation Address

University of Ottawa Heart Institute
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CANADA (K1Y 4W7)

Mailing Address

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Contact Information

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Languages: English; French

Academic Background and Training

Degree / Training Type	Specialty	Degree Name	Organization	Country	Date received MM/YYYY
Postdoctorate	Cardiovascular Science	Not applicable	Harvard Medical School	UNITED STATES	01/2005
Postdoctorate	Biochemistry and Molecular Biology	Not Applicable	Harvard University	UNITED STATES	01/2001
Doctorate (PhD)	Biochemistry	Doctor of Philosophy	Monash University	AUSTRALIA	12/1996
Master's Equivalent	Biochemistry	Master's of Science	Monash University	AUSTRALIA	12/1991
Bachelor's	Biochemistry and Molecular Biology	Bachelor's of Applied Science (Biotechnology)	Royal Melbourne Institute of Technology University	AUSTRALIA	11/1989

Distinctions and Credentials

Research award

NIH National Research Service Award , National Institutes of Health , United States, Effective: 02/1998, Ending: 01/2001

Monash University Dissertation Award, Monash University, Australia, Effective: 01/1995, Ending: 12/1995

National Graduate Research Scholarship, Commonwealth of Australia, Australia, Effective: 01/1992, Ending: 12/1995

Monash University Research Scholarship, Monash University, Australia, Effective: 01/1991, Ending: 12/1991

Work Experience

Position	Organization Department	Country	Start Date - End Date (MM/YYYY)

Work Experience

Position	Organization Department	Country	Start Date - End Date (MM/YYYY)
Assistant Professor in Biochemistry	University of Ottawa Biochemistry, microbiology and immunology Medicine	CANADA	11/2007 -
Assistant Professor of Medicine (Cardiology)	University of Ottawa Medicine	CANADA	11/2005 -
Principle Investigator	University of Ottawa Heart Institute at the Ottawa Civic Hospital	CANADA	06/2005 -
Board of Tutors in Biochemical Sciences	Harvard University Biological Sciences Arts and Sciences	UNITED STATES	07/2000 - 06/2005
Teaching Fellow	Harvard University Biological Sciences Arts and Sciences	UNITED STATES	02/1997 - 06/2005
Research Fellow	Brigham and Women's Hospital Medicine	UNITED STATES	02/2004 - 01/2005
Research Associate in Genetics	Harvard Medical School Howard Hughes Medical Institute	UNITED STATES	02/2001 - 01/2004
Reserch Fellow in Medicine	Harvard Medical School Medicine	UNITED STATES	06/1999 - 01/2001
Head Teaching Fellow	Harvard University Biological Sciences	UNITED STATES	02/1999 - 06/2000
Research Fellow in Molecular and Cellular Biology	Harvard University Biological Laboratories	UNITED STATES	08/1996 - 05/1999
Teaching Assistant/Coordinator	Monash University	AUSTRALIA	02/1993 - 11/1995
Research Assistant	Monash University	AUSTRALIA	09/1989 - 01/1991

Expertise

My research interests are in the following areas:

Biochemistry; Cardiomyopathy; Cell Biology; Cloning; Molecular Biology; Mouse Models; Protein Biochemistry; SAGE; Signal transduction; Yeast Two Hybrid

Areas of Discipline

These are the disciplines that best correspond to my research interests:

	Main discipline	Sub Discipline
1.	MOLECULAR AND CELLULAR BIOLOGY	Second Messengers/Signal Transduction
2.	MOLECULAR AND CELLULAR BIOLOGY	Cell Cycle Regulation
3.	BIOCHEMISTRY	Protein/Amino Acid Biochemistry

Areas of Discipline

These are the disciplines that best correspond to my research interests:

	Main discipline	Sub Discipline
4.	BIOCHEMISTRY	Enzymology
5.	MOLECULAR AND CELLULAR BIOLOGY	Protein Manipulation and Expression
6.	CARDIOLOGY	Cardiomyopathy
7.	GENETICS	Developmental Genetics
8.	GENETICS	Molecular Genetics
9.	ENDOCRINOLOGY	Second Messengers/Signal Transduction
10.	ENDOCRINOLOGY	Biochemical Endocrinology
11.	MOLECULAR AND CELLULAR BIOLOGY	Developmental Cell Biology/Differentiation

Research Support and Funding

Support Period	Title	Program Name Organization	Principal Investigator	Co-Applicant	Total Amount
06/2005 - 03/2010	Start-up	Start-up - Ottawa Heart Institute Research Corporation	**Patrick Burgon**		$632,920
04/2007 - 03/2010	Cardiac Manifestation of Laminopathies	Operating Grant - Canadian Institutes of Health Research (CIHR)	**Patrick Burgon**		$328,837
11/2008 - 10/2009	Molecular Determinants of the Post-MI Heart	Medical Research Award - J.P. Bickell Foundation	**Patrick Burgon**		$62,000
02/2007 - 01/2008	High-throughput transcriptome (SAGE) Core	Internal Shared Equipment - Ottawa Heart Institute Research Corporation	**Patrick Burgon**		$69,541
02/1998 - 01/2001	Structure-Function and Regulatory Control of RGS Proteins	Research Service Award - National Institutes of Health (NIH) (USA)	**Patrick Burgon**		$170,000

Publication:

Chapters in Books:

1. Stanton PG, Robertson DM, Burgon PG, Schmauk-White B, Hearn MTW. Purification and biological activities of isoforms of human FSH. In: Hunzicker-Dunn M, Schwartz N (eds), Regulation and Actions of FSH. New York: Spring)er-Verlag, 1991, pp. 339-344.

Papers in refereed Journals:

1. King JC, Moskowitz IP, Burgon PG, Ahmad F, Stone JR, Seidman JG, Lees JA. E2F3 plays an essential role in cardiac development and function. Cell Cycle. 2008 Dec 22;7(23).

2. Ogawa T, Forero M, Burgon PG, Kuroski de Bold ML, Georgalis T, De Bold, AJ. Role of potassium channels in stretch-promoted atrial natriuretic factor secretion: Vasoactive peptide symposium JSAH (accepted July 16, 2008).

3. Wolf CM, Pizard A, Burgon PG, Ahmad F, Sherwood M, Branco DM, Fishman GI, Stewart CL, Seidman CE, Seidman JG, Berul CI. A Mouse Model for Cardiac Conduction System Disease in Laminopathies. J Mol Cell Cardiol. 2008 Feb;44(2):293-303.

4. Pizard A, Burgon PG, Paul DL, Bruneau BG, Seidman JG, Seidman CE. Connexin 40, a Target of Transcription Factor Tbx5, Patterns Wrist, Digits, and Sternum. Molecular and Cellular Biology. 2005 25(12): 5073-5083.

5. Palmer BM, Noguchi T, Wang Y, Alpert NR, Heim JR, Burgon PG, Seidman CE, Seidman JG, LeWinter MM, Maughan DW. The effect of cardiac myosin binding protein C on mechanoenergetics in mouse myocardium. Circulation Research. 2004 94(12): 1615-22.

6. Palmer BM, Georgakopoulos D, Janssen PM, Wang Y, Alpert NR, Belardi DF, Harris SP, Moss RL, Burgon PG, Seidman CE, Seidman JG, Maughan DW, Kass DA. The role of cardiac myosin binding protein C in maintaining left ventricular systolic elastance. Circulation Research. 2004 94(9): 1249-55.

7. Arad M, Moskowitz IP, Patel VV, Ahmad F, Perez-Atayde AR, Sawyer DB, Walter M, Li GH, Burgon PG, Maguire CT, Stapleton D, Schmitt JP, Guo XX, Pizard A, Kupershmidt S, Roden DM, Berul CI, Seidman CE, Seidman JG. Transgenic mice overexpressing mutant PRKAG2 define the cause of Wolff-Parkinson-White Syndrome in glycogen storage cardiomyopathy. Circulation 2003; 107 (22): 2850-6.

8. Burgon PG, Lee WL, Nixon AB, Peralta EG, Casey PJ. Phosphorylation and nuclear translocation of a Regulator of G-protein Signaling (RGS10). Journal of Biological Chemistry 2001; 276 (35): 32828-34.

9. Burgon PG, Stanton PG, Pettersson K, Robertson DM. Effect of desialylation of highly purified human LH isoforms on their in vitro bioactivity, radioreceptor activity and immunoactivity. Reproduction, Fertility and Development 1997; 9: 501-508.

10. Burgon PG, Stanton PG, Robertson DM. In vivo bioactivities and clearance patterns of highly purified hLH isoforms. Endocrinology 1996; 137: 827-836.

11. Stanton PG, Burgon PG, Hearn MTW, Robertson DM. Structural and functional characterization of hFSH and hLH isoforms. Molecular and Cellular Endocrinology 1996; 125: 133-141.

12. Stanton PG, Zhiping S, Kecorius E, Burgon PG, Robertson DM, Hearn MTW. Application of a sensitive HPLC-based fluorometric assay to determine the sialic acid content of human gonadotropin isoforms. Journal of Biochemical and Biophysical Methods 1995; 30: 37-48.

13. Burgon PG, Robertson DM, Stanton PG, Hearn MTW. Immunological activities of highly purified isoforms of human follicle stimulating hormone correlates with in vitro bioactivities. Journal of Endocrinology 1993; 139: 511-518.

14. Stanton PG, Pozvek G, Burgon PG, Robertson DM, Hearn MTW. Isolation and characterization of human luteinizing hormone isoforms. Journal of Endocrinology 1993; 138: 529-543.

15. Stanton PG, Robertson DM, Burgon PG, Schmauk-White B, Hearn MTW. Isolation and physiochemical characterization of human follicle-stimulating hormone isoforms. Endocrinology 1992; 130: 2820-2832.

Patents:

1. BURGON, PG., MUSCLE LAMIN A/C INTERACTING PROTEIN, GENE ENCODING SAME, AND USES THEREFOR United States Provisional Patent Appln No. 60/956,533

SIGNATURE

DATE: