

**Patrick G Burgon Ph.D.**  
Department of Genetics (Rm 256)  
Harvard Medical School  
77 Avenue Louis Pasteur  
Boston MA 02115 USA

**Education:**

- 1992 - 1996 Ph.D.  
*"Biological Function of Human FSH and LH isoforms"*  
Department of Obstetrics and Gynaecology  
Monash University and Prince Henry Institute of Medical Research  
(Thesis Adviser: David M Robertson)
- 1991 M.Sc. (prelim), First-Class Academic Honours  
Department of Biochemistry and Molecular Biology  
Monash University  
(Thesis Advisers: Milton TW Hearn, Peter G Stanton, and David M Robertson)
- 1985 - 1989 B.App.Sci.  
Royal Melbourne Institute of Technology

**Postdoctoral Training:**

- 2001 - date Research Associate  
Department of Genetics and Howard Hughes Medical Institute  
Harvard Medical School  
(PIs: Christine E Seidman and Jon G Seidman)
- 1999 - 2001 Research Fellow  
Department of Medicine  
Harvard Medical School  
(PI: Eva J Neer)
- 1996 - 1999 Research Fellow  
Department of Molecular and Cellular Biology  
Harvard University  
(PI: Ernest G Peralta)

**Awards and Honours:**

- 1998 - 2001 National Institutes of Health National Research Service Award (1 F32 CA76711)  
*"Structure-Function and Regulatory Control of RGS Proteins"*
- 1995 Monash University Dissertation Award
- 1992 - 1995 National Graduate Research Scholarship, Commonwealth of Australia
- 1991 Monash University Research Scholarship

## **Peer Reviewed Articles**

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, Kupersmidt 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.

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.

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.

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

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.

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.

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.

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.

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.

### ***Monographs:***

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: Springer-Verlag, 1991, pp. 339-344.

### ***Manuscript under review:***

Palmer BM, Janssen PM, Georgakopoulos D, Wang Y, Burgon PG, Seidman CE, Seidman JG, Alpert NR, Kass DA, Maughan DW. The role of cardiac myosin binding protein C in maintaining left ventricular systolic elastance. (Submitted to *Journal of Clinical Investigation*, 10/03)

Cloud JE, Moskowitz IP, Burgon PG, Picard MH, Stone JR, Seidman JG, Lees JA. Heart Failure in E2f3 mutant mice. (Submitted *PNAS*, 12/03)

### ***Manuscripts in preparation:***

Burgon PG, Seidman CE, Seidman JG. Novel pathway to dilated cardiomyopathy: perinatal myocyte hyperplasia and incomplete terminal differentiation.

Bum Kim J, Burgon PG, Blackshaw S, Fujino N, Ahmad I, Seidman CE, Seidman JG. RNA expression in left ventricular remodeling: cardiogenesis and sarcomere protein mutation induced hypertrophy.

***Manuscripts in preparation: (continued)***

Pizard A, Burgon PG, Bruneau BG, Seidman JG, Seidman CE. Cx40 Haploinsufficiency recapitulates Tbx5 mutation-induced skeletal defects in Holt-Oram mouse model.

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.

## Referees

CHRISTINE E. SEIDMAN, M.D.  
Professor of Medicine  
Department of Medicine and Howard Hughes Medical Institute  
Brigham and Women's Hospital  
Harvard Medical School  
Boston, MA 02115  
Phone: (617) 432-7871  
Fax: (617) 432-7832  
cseidman@rascal.med.harvard.edu

JONATHAN G. SEIDMAN, Ph.D.  
Henrietta B. and Frederick H. Bugher Foundation Professor of Genetics  
Department of Genetics and Howard Hughes Medical Institute  
Harvard Medical School  
Boston, MA 02115  
Phone: (617) 432-7871  
Fax: (617) 432-7832  
seidman@rascal.med.harvard.edu

PATRICK J. CASEY, Ph.D.  
Director, Duke Center for Chemical Biology  
Professor of Pharmacology & Cancer Biology and Biochemistry  
Duke University Medical Center  
C-133 LSRC, Box 3813 DUMC  
Durham, NC 27710  
Phone: (919) 613-8613  
Fax: (919) 613-8642  
casey006@mc.duke.edu

THOMAS M. MICHEL, M.D., Ph.D.  
Associate Professor of Medicine  
Brigham and Women's Hospital  
75 Francis Street  
Cardiovascular Div - Thorn 12  
Boston, MA 02115  
Phone: (617) 732-7376  
Fax: (617) 732-5132  
michel@calvin.bwh.harvard.edu

GUIDO GUIDOTTI, M.D.  
Higgins Professor of Biochemistry  
Department of Molecular and Cellular Biology  
Harvard University  
Cambridge, MA 02138  
Phone: (617) 495-2308  
guidotti@fas.harvard.edu

Please note that Professor Ernest G Peralta and Professor Eva J Neer are not listed as referees as both are deceased.