

LLOYD SCOT BASTIAN Ph. D.

Seattle, WA

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### **PROFESSIONAL EXPERIENCE**

Contract consultant in molecular biology, provided training in quantitative real-time PCR, Department of Veterans Affairs Puget Sound Health Care System, Ernie Blevins Laboratory, January-March 2008.

Research Health Sciences Specialist, Department of Veterans Affairs Puget Sound Health Care System, Denis Baskin Laboratory, March 2004-October 2006

Research Health Scientist, Department of Veterans Affairs Puget Sound Health Care System, Bruce Montgomery Laboratory, June 2002-March 2003

Research Health Scientist, Department of Veterans Affairs Puget Sound Health Care System April 1999-October 2001

Senior Research Fellow, Gerald Roth Laboratory, University of Washington Dept. of Medicine at the Department of Veterans Affairs Puget Sound Health Care System November 1997-May 1999

Supervised the scientific instruction of several students including Steve Kwok (Summer 1994), Clara Chan (Summer 1995) and Shawn Mohamed (Summer 1997)

Postdoctoral training, Gerald Roth Laboratory, University of Washington Dept. of Medicine Hematology Division at the Department of Veterans Affairs Puget Sound Health Care System September 1993-October 1997

Postdoctoral training, Kenneth Stuart Laboratory, Seattle Biomedical Research Institute, Seattle, WA, August 1991-March 31, 1993.

Instructor, Somatic Cell and Molecular Genetics Workshop (Molecular Biology instruction for Professors), sponsored by Eleanor Roosevelt Institute for Cancer Research, Summer 1990 and Summer 1991.

Predocotrual graduate school training, Steve Nordeen Laboratory, University of Colorado Health Sciences Center Pathology Department, Denver CO, August 1984-May 1991

Teaching Assistant, Introduction to Zoology, Department of Zoology, Southern Illinois University, Summer 1984.

Teaching Assistant, Embryology, Department of Zoology, Southern Illinois University, August 1983-May 1984.

### **EDUCATION**

Ph.D., 1991 (Experimental Pathology), U of Colorado Health Science Center, Denver, CO. Steve Nordeen, advisor.

Graduate School Zoology Dept. 1983-1984, Southern Illinois University, Carbondale, IL.

B.S., (Zoology, major), 1983, Southern Illinois University, Carbondale, IL.

A.A., 1980, William Rainey Harper College, Palatine, IL.

### **PROFESSIONAL COMPETENCIES**

I have published expertise in cell culture techniques, Southern, northern and western analysis, flow cytometry, vector construction, pulse-field gel electrophoresis, chromosomal analysis and long-range restriction mapping, two-hybrid screening, polymerase chain reaction, site-directed mutagenesis, real-time PCR, stable and transient gene transfer technology (electroporation, DEAE-dextran, calcium phosphate cationic lipid transfection) marker gene analysis (luciferase, CAT, galactosidase, growth hormone and thymidine kinase assays), hematopoietic stem cell manipulation and analysis, indirect immunofluorescence, laser capture microscopy, assorted radioactive and non-radioactive labeling methods, gel mobility retardation assays and DNase footprinting.

I also have unpublished expertise in ELISA and RIA assays, Two-hybrid screening, library construction and screening, HPLC and FPLC, electron microscopy, bioinformatics, and a variety of other molecular techniques.

### **AWARDS AND HONORS**

Veterans Administration Merit Review Entry Program 3 years, (100% compensation for salary, 50% technician salary, small equipment budget and supplies). April 1999-Sept 2001.

Public Health Service Individual National Research Service Award (F32 HL09265) (100% compensation for salary) November 1995-November 1997.

Cash award for meritorious oral presentation. Does the glucocorticoid receptor act cooperatively with basal transcription factors? Annual Student Research Forum, University of Colorado Health Sciences Center, Denver CO, January 1990.

### **SCIENTIFIC PUBLIC SERVICE**

Member of the Department of Veterans Affairs Animal Care and Use Committee Jan-December 2000

### **PUBLICATIONS**

BASTIAN, L.S., and Baskin, D.G., Immuno-laser capture microdissection of rat brain neurons for Real time quantitative PCR. *Methods in Molecular Biology*. 588:219-30 (2010)

Blevins, J.E., Morton, G.J., Williams, D.L., Caldwell, D.W., BASTIAN, L.S., Wisse B.E., Schwartz, M.W., and Baskin D.G., Forebrain melanocortin signaling enhances the hindbrain satiety response to CCK-8. *American Journal of Physiology, Regulatory, Comparative and Integrative Physiology*. 296:476-84 (2009)

Williams, D.L., Schwartz, M.W., Blevins, J.E., BASTIAN, L.S., and Baskin, D.G., Immunocytochemistry and laser capture microdissection for real time quantitative PCR identify hindbrain neurons activated by interaction between leptin and cholecystokinin. *Journal of Histochemistry & Cytochemistry* 56:285-93 (2008)

BASTIAN, L.S., Kwiatkowski, B.A., Breininger, J., Danner, S., and Roth G.J., Regulation of the megakaryocytic glycoprotein IX promoter by the oncogenic Ets transcription factor Fli-1. *Blood* 93:2637-2644 (1999)

Kwiatkowski, B.A., BASTIAN, L.S., Bauer jr., T.A., Tsai, S., Zielinska-Kwiatkowska, A.G. Hickstein D.D., The Ets family member Tel binds to the Fli-1 oncoprotein and inhibits its transcriptional activity. *Journal of Biological Chemistry* 273:17525-17530 (1998).

BASTIAN, L.S., Yagi M., Chan, C., and Roth G.J. Analysis of the megakaryocyte glycoprotein promoter identifies positive and negative regulatory domains and functional GATA and Ets sites. *Journal of Biological Chemistry* 271:18554-18560 (1996).

Roth, G.J., Yagi, M., and BASTIAN, L.S., The platelet glycoprotein Ib-V-IX system: Regulation of gene expression. *Stem Cells* 14(suppl 1):188-193 (1996).

BASTIAN, L.S., Myler, P.J., Lodes, M.J., and Stuart, K., Long-range restriction mapping of megabase-sized chromosomes that may be homologs in *Trypanosoma brucei*. *Journal of Eukaryotic Microbiology* 42:278-282 (1995) .

BASTIAN, L.S. and Nordeen, S.K, Concerted stimulation of transcription by glucocorticoid receptors and basal transcription factors: limited transcriptional synergism suggests mediation by coactivators/adapters. *Molecular Endocrinology* 5:619-627 (1991).

BASTIAN, L.S., Concerted stimulation of transcription by the hormone responsive mouse mammary tumor virus transcriptional enhancer and heterologous promoter elements, Doctoral thesis (1991).

#### **ABSTRACTS AND PRESENTATIONS**

BASTIAN, L.S., Danner, S., and Roth, G., Megakaryocyte Promoters can be regulated by several different Ets transcription factors. *Blood* 93:10 Abstract #3777 American Society of Hematology, December 1999.

BASTIAN, L.S., Danner, S., and Roth, G., Regulation of megakaryocyte promoters by the oncogenic Ets factor Fli-1. *Blood* 92:10 (suppl. 1) Abstract #1440 (Poster presentation) American Society of Hematology, December 1998.

BASTIAN, L.S., Kwiatkowski, B., Danner, S., and Roth, G., Regulation of the megakaryocytic glycoprotein IX promoter by GATA-1 and Fli-1. *Blood* 90: 10 (suppl. 1) Abstract #3404 American Society of Hematology, December 1997.

BASTIAN, L.S., Yagi, M., Chan C., and Roth G. The transcriptional promoter of glycoprotein IX, a subunit of the GPIIb/vWF receptor. Abstract #015 (Oral presentation by G. Roth) Keystone Symposium on Molecular Regulation of Platelet Production, February 1996.

BASTIAN, L.S., Yagi, M., Chan C., and Roth G. Analysis of the transcriptional promoter of glycoprotein IX, a subunit of the platelet GPIIb/von Willebrand receptor. *Blood* 86:10(suppl. 1) Abstract #1804 (Oral presentation) American Society of Hematology Meeting, Seattle, WA, December 1995

BASTIAN, L.S., Yagi, M., and Roth G. Transcriptional regulation of glycoprotein Ib subunit genes: GPIIb $\alpha$ , GPIX and GPIIb $\beta$  promoter activity in megakaryocytic cell lines and bovine aortic endothelial cells. *Blood* 84:10(suppl 1) Abstract #1869 (Poster presentation) American Society of Hematology Meeting, Nashville, TN, December 1994

Lodes, M.J., Smiley, B.L., BASTIAN, L.S., Bennett, J.L., Myler, P.J., and Stuart, K., A retroposon sequence within the *Trypanosoma brucei* VSG expression sites. Abstract #115, (Poster presentation), Molecular Parasitology Meeting, Woods Hole, MA, September 1992.

BASTIAN, L.S. and Nordeen, S.K., Does the glucocorticoid receptor act cooperatively with basal transcription factors? Abstract #968, (Oral presentation), 71st Annual Meeting of the Endocrine Society, Seattle, WA, June 1989.