

**BIOGRAPHICAL SKETCH**

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NAME Duval, Dawn Louise		POSITION TITLE Assistant Professor	
EDUCATION/TRAINING <i>(Begin with baccalaureate or other initial professional education, such as nursing, and include postdoctoral training.)</i>			
INSTITUTION AND LOCATION	DEGREE <i>(if applicable)</i>	YEAR(s)	FIELD OF STUDY
University of Nevada, Reno	B.S.	1985-1989	Biochemistry
University of Nevada, Reno	Ph.D.	1990-1994	Cell & Mol Pharm/Physiol
Colorado State University	Postdoctoral	1995-1999	Mol. Biol./Physiology
University of Colorado Health Sciences	Postdoctoral	1999-2000	Endocrinology

**A. Positions and Honors.****PROFESSIONAL POSITIONS**

1986-1989 Student Laboratory Technician, Dept. of Biochemistry, University of Nevada, Reno, NV  
 1989-1990 Laboratory Technician II, Depts. of Surgery & Pharmacology, University of Nevada, Reno, NV  
 1990-1994 Graduate Research Assistant, Cell and Molecular Pharmacology and Physiology Program, University of Nevada, Reno, NV  
 1995-1999 Postdoctoral Fellow, Dept. of Physiology, Colorado State University, Fort Collins, CO  
 1999-2002 Fellow/Instructor, Division of Endocrinology, Metabolism, and Diabetes, Dept. of Medicine, University of Colorado Health Sciences Center, Denver, CO  
 2003-2004 Assistant Professor, Division of Endocrinology, Metabolism, and Diabetes, Dept. of Medicine, University of Colorado Health Sciences Center, Denver, CO  
 2004-2007 Assistant Professor, University of Colorado School of Pharmacy, University of Colorado Health Sciences Center, Denver, CO  
 2007-pres Assistant Professor, Dept. Clinical Sciences, Colorado State University, Fort Collins, CO

**HONORS AND AWARDS**

1986 Honors Undergraduate Research Scholarship, University of Nevada, Reno  
 1987 Inducted into Alpha Zeta, National Agricultural Honor Society.  
 1989 Inducted into Phi Kappa Phi National Honor Society  
 1989 Outstanding Senior – Biochemistry Research, University of Nevada, Reno  
 1989 Top Ten Senior Women for 1989, University of Nevada, Reno.  
 1990 Graduate Student Travel Award, ASPET 1990, Milwaukee  
 1993 Western Pharmacology Society Graduate Student Paper Award, "The Induction of Nitric Oxide Synthase by Cytokines in Rat Hepatocytes."  
 1994 Society of Toxicology, Mechanisms Section, Carl Smith Graduate Student Paper Competition, 1<sup>st</sup> place, "Reactive Oxygen Intermediate and Glutathione Regulation of Hepatocyte Nitric Oxide Synthase"  
 1995 George C. Bierkamper Outstanding Graduate Student Award, Cell & Molecular Pharmacology & Physiology Program, University of Nevada, Reno  
 2002 Women in Endocrinology Travel Award

**B. SELECTED PEER-REVIEWED PUBLICATIONS**

- D.L. Duval**, D. Howard, T.A. McCalden, and R.E. Billings. The determination of myeloperoxidase activity in liver. *Life Sciences*, **47**:145-150, 1990.
- W.F. Hodnick, **D.L. Duval**, and R.S. Pardini. Inhibition of mitochondrial respiration and cyanide-stimulated generation of reactive oxygen species by selected flavonoids. *Biochemical Pharmacology*, **47**:573-580, 1994.
- D.L. Duval**, D.J. Sieg, and R.E. Billings. Regulation of hepatic nitric oxide synthase by glutathione and reactive oxygen intermediates. *Arch Biochem Biophys*, **316**:699-706, 1995.
- D.L. Duval**, D.R. Miller, J. Collier, and R.E. Billings. Characterization of Hepatic Nitric Oxide Synthase: Identification as the cytokine-inducible form primarily regulated by oxidants. *Molecular Pharmacology* **50**:277-284 1996.
- D.L. Duval**, S.E. Nelson, and C.M. Clay. A binding site for steroidogenic factor-1 is part of a complex enhancer that mediates expression of the murine gonadotropin-releasing hormone receptor gene. *Biol Reprod*, **56**:160-168, 1997.
- D.L. Duval**, S.E. Nelson, and C.M. Clay. The tripartite basal enhancer of the gonadotropin-releasing hormone (GnRH) receptor gene promoter regulates cell-specific expression through a novel GnRH Receptor Activating Sequence. *Mol Endocrinol*, **11**:1814-1821, 1997.
- B.R. White, **D.L. Duval**, and C.M. Clay. Homologous regulation of the Gonadotropin-releasing hormone receptor gene is partially mediated by protein kinase C activation of an activator protein-1 element. *Mol Endocrinol*, **13**:566-577, 1999.
- D.L. Duval**, B.S. Ellsworth, and C.M. Clay. Is gonadotrope expression of the gonadotropin releasing hormone receptor gene mediated by autocrine/paracrine stimulation of an activin response element? *Endocrinology*, **140**:1949-1952, 1999.
- D.L. Duval**, A.R. Farris, C.C. Quirk, T.M. Nett, D.L. Hamernik, and C.M. Clay. Responsiveness of the ovine gonadotropin releasing hormone receptor gene to estradiol and gonadotropin releasing hormone is not detectable in vitro, but is revealed in transgenic mice. *Endocrinology*, **141**:1001-1010, 2000.
- D.L. Duval** and A. Gutierrez-Hartmann. Editorial: PRL-Releasing Peptide Stimulation of PRL Gene Transcription—Enter AKT. *Endocrinology* Jan;143(1):11-2, 2002.
- K.D. Augustijn\*, **D.L. Duval**\*, R. Wechselberger, R. Kaptein, A. Gutierrez-Hartmann, P.C. van der Vliet. Structural characterization of the Pit-1/Ets-1 interaction: Charge dependence of Pit-1 for Ets-1 binding. *Proc. Natl Acad Sci*. **99**: 2657-12662, 2002. \* Authors contributed equally to this publication.
- D.L. Duval**, A. Jean, and A. Gutierrez-Hartmann. Ras signaling and transcriptional synergy at a flexible Ets-1/Pit-1 composite DNA element is defined by the assembly of selective activation domains. *J Biol Chem*. **278**(41):39684-96, 2003.
- B.S. Ellsworth, A.T. Burns, K.W. Escudero, **D.L. Duval**, S.E. Nelson, C.M. Clay. The gonadotropin releasing hormone (GnRH) receptor activating sequence (GRAS) is a composite regulatory element that interacts with multiple classes of transcription factors including Smads, AP-1 and a forkhead DNA binding protein. *Mol Cell Endocrinol*. **206**(1-2):93-111, 2003.
- D.L. Duval**, M.D. Jonsen, S.E. Diamond, P. Murapa, A. Jean and A. Gutierrez-Hartmann. Differential Utilization Of Transcription Activation Subdomains By Distinct Coactivators Regulates Pit-1 Basal And Ras Responsiveness. *Mol Endocrinol*. **21**(1):172-85, 2007.
- A. Gutierrez-Hartmann, **D.L. Duval**, A.P. Bradford. ETS Transcription Factors in Endocrine Systems. *Trends Endocrinol Metab*, **18**(4):150-8, 2007.