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Education

Ph.D.	1995	Biopsychology	Columbia University, New York, NY
M.Phil.	1993	Biopsychology	Columbia University, New York, NY
M.A.	1991	Biopsychology	Columbia University, New York, NY
B.A.	1988	Biology & Psychology	Gustavus Adolphus College, St Peter, MN

Positions Held

Chair	2013	Biology. American University, Washington, DC
Professor	2011-	Biology. American University. Washington, DC
Affiliate Professor	2011-	Psychology. American University. Washington, DC
Professor (Assist, Assoc, Full)	2001 - 11	Biological Sciences. Lehigh University. Bethlehem, PA
Postdoctoral Scientist	1996 - 01	BRI. UCLA School of Medicine, Los Angeles, CA

Research Support, Honors & Awards.*Pending*

2013- PI NIH R21. Interactions among cytokines and aromatase in a resilient brain.

Active

2012- PI NIH R21. *Neural estrogen synthesis by astrocytic aromatase, & neuroinflammation.*

2002- PI NIH R01. *Synaptic Aromatase; a novel form of estrogen delivery.*

Completed

2011-2013 PI NSF. 15th & 16th Annual Meetings of the Society for Behavioral Neuroendocrinology

2009-2012 PI NIH R01. *Supplement to Promote Diversity* (Kelli A Duncan Ph.D –trainee)

2008-2010 Co-PI NIH R21. *Estrogen & central auditory processing in birds.* C. Mello (PI)

2009-2011 Spon. AHA. *Predoctoral Fellowship* (Bradley J. Walters– trainee)

2007-2009 PI Pennsylvania Dept. of Health. *Structural Bases of Cellular Communication.*

2003-2004 PI Pennsylvania Dept. of Health. *Structural plasticity of the vertebrate brain.*

1999-2001 PI Investigator Initiated Grant. Alzheimer's Association.

1997-2001 PI John Douglas French Alzheimer's Foundation.

Honors & Awards

- 2013 Guest Editor. *Hormones & Behavior*. Special Issue. Hormones and Neurotrauma.
 2012 National Science Foundation. Panelist. Modulation II. Neural Systems Cluster.
 2010 National Institutes of Health. Special Emphasis Panel. ZRG1 IFCN-C.
 2009-2013 National Institutes of Health. Neuroendocrinology, Neuroimmunology, Rhythms & Sleep.
 2009 National Institutes of Health. Neuroendocrinology, Neuroimmunology & Behavior.
 2008 National Science Foundation. Modulation – Neural Systems Cluster (declined).
 2003- National Science Foundation. Ad-hoc Reviewer.
 2005-2007 Alzheimers Association. Ad-hoc Reviewer.
- 2010 Nominee Hillman Award for Graduate Advising (student nominated)
 2006 Awardee Stabler Award for Excellence in Teaching (student nominated)
 2005 Awardee Eleanor & Joseph F. Libsch Early Career Research Award (faculty nominated)
 2003 Awardee Christian & Mary Lindback Foundation. Minority Faculty Award

Published Journal Articles

- Saldanha, CJ, Burstein, SR & Duncan, KA. (2013). Induced synthesis of estrogens by glia in the songbird brain. *J. Neuroendocrinology*. Jun 25 [Epub ahead of print]
- Saldanha, CJ & Sohrabji, F. (2013). Hormones and Neurotrauma: Protection, degeneration and plasticity. Editorial. *Hormones & Behavior* 63: 191-192.
- Duncan, KA, Walters, BJ & Saldanha, CJ. (2013). Traumatized and inflamed, but resilient: glial aromatization and the avian brain. *Hormones and Neurotrauma: Protection, degeneration and plasticity*. 63(2): 208-215.
- Cornil, CA, Leung, CH, Pletcher, ER, Naranjo, KC, Blauman, SJ & Saldanha, CJ. (2012). Acute and specific modulation of presynaptic aromatization in the vertebrate brain. *Endocrinology*. 153 2562-2567.
- Ash, LA, Saldanha, CJ & Bailey, DJ. (2012). Calbindin-D28K expression increases in the dorsolateral hippocampus following corticosterone treatment in female zebra finches (*Taeniopygia guttata*). *Hippocampus* 22: 510-515.
- Remage-Healey, L, Saldanha, CJ & Schlinger, BA. (2011). Estradiol synthesis and action at the synapse: evidence for “synaptocrine” signaling. *Frontiers in Neuroendocrine Science*. 2(28): 1-13.
- Taves, MD, Ma, C, Heimovics, SA, Saldanha, CJ & Soma, KK. (2011). Measurement of steroid concentrations in brain tissue: methodological considerations. *Frontiers in Neuroendocrine Science*. 2(39): 1-13.
- Duncan, KA. & Saldanha, CJ. (2011). Neuroinflammation induces glial aromatase expression in the uninjured songbird brain. *J. Neuroinflammation*. July 18, 18(1): 81. Epub ahead of print.

- Charlier, TD, Newman, AEM, Heimovics, SA, Po, KWL, Saldanha, CJ & Soma, KK. (2011). Rapid effects of aggressive interactions on aromatase activity and estradiol in discrete brain regions of wild male white-crowned sparrows. *J. Neuroendocrinology*. May 28 (epub ahead of print).
- Saldanha, CJ, Remage-Healey, L & Schlinger, BA. (2011). Synaptocrine signaling: steroid synthesis and action at the synapse. *Endocrine Reviews*. 32(4):532-549
- Walters, BJ, Alexiades, NG & Saldanha, CJ. (2011). Intracerebral estrogen provision increases neurogenesis and cell proliferation in the injured zebra finch brain. *Developmental Neurobiology*. 71(2): 170-81.
- Mirzaton, A, Spence, RD, Naranjo, KC, Saldanha, CJ & Schlinger, BA. (2010). Injury-induced regulation of steroidogenic gene expression in the cerebellum. *Journal of Neurotrauma*. 27(10):1875-82
- Charlier, TD, Po, KW, Newman, AE, Shah, AH, Saldanha, CJ & Soma KK. (2010). 17beta-estradiol levels in male zebra finch brain: combining Palkovits punch technique and an ultrasensitive radioimmunoassay. *General & Comparative Endocrinology*. 167(1):18-26.
- Saldanha, CJ, Walters, BJ & Fraley, G. (2010). Neurons that colocalize kisspeptin- and aromatase-like immunoreactivity may modulate the hypothalamo-pituitary-gonadal axis in the mallard drake (*Anas platyrhynchos*). *General & Comparative Endocrinology*. 166(3):606-13.
- Bailey, DJ & Saldanha, CJ. (2010). Ecological validity and the study of procedural and episodic memory in songbirds. *Cognitive Sciences*. 5(1): 1-20.
- Magliaro, BC. & Saldanha, CJ. (2009). Clozapine protects PC-12 cells from death due to oxidative stress induced by hydrogen peroxide via a cell-type specific mechanism involving inhibition of extracellular signal-regulated kinase phosphorylation. *Brain Research*. 1283: 14-24.
- Saldanha, CJ, Duncan, KA. & Walters, BJ. (2009). Neuroprotective actions of brain aromatase. *Frontiers in Neuroendocrinology*. 30(2): 106-118.
- Bailey, DJ, Wade, J. & Saldanha, CJ. (2009). Hippocampal lesions in juvenile zebra finches impair spatial memory performance, but not song - a developmental study of independent memory systems. *Developmental Neurobiology*. 69(8): 491-504.
- Walters, BJ. & Saldanha, CJ. (2008). Glial aromatization increases the expression of bone morphogenetic protein-2 (BMP2) in the injured zebra finch brain. *Journal of Neurochemistry*. 106(1): 216-223.
- Wynne, RD, Maas, S & Saldanha, CJ. (2008). Molecular characterization of the injury-induced transcript in the adult zebra finch brain. *Journal of Neurochemistry*. 105(5): 1613-24.
- Wynne, RD, Walters, BJ, Bailey, DJ, & Saldanha, CJ. (2008). Inhibition of injury-induced glial aromatase reveals a wave of secondary degeneration in the songbird brain. *GLIA*. 56(1): 97-105.
- Pinaud, R, Saldanha, CJ, Wynne, RD, Lovell, P, & Mello, CV (2007). The Excitatory Thalamo-"Cortical" Projection within the Song Control System of Zebra Finches is Formed by Calbindin-Expressing Neurons. *Journal of Comparative Neurology*. 504: 601-618.
- Rohmann, KN, Schlinger, BA. & Saldanha, CJ. (2007). The sub-cellular compartmentalization of aromatase is sexually dimorphic in the adult zebra finch brain. *Developmental Neurobiology*. 67(1): 1-9.
- Schlinger BA & Saldanha CJ. (2005). Songbirds: A Novel Perspective on Estrogens and the Aging Brain. *AGE*. 27(4): 287-296.
- Peterson, RS, Yarram, L, Schlinger, BA & Saldanha, CJ. (2005). Aromatase is Pre-Synaptic and Sexually

- Dimorphic in the Adult Zebra Finch. *Proceedings of the Royal Society B: Biological Sciences*. 272: 2089-2096.
- Goodson, JL, Saldanha, CJ, Hahn, TP & Soma, KK. (2005). Recent advances in behavioral Neuroendocrinology: Insights from studies in birds. *Hormones & Behavior*. 48(4): 460-473.
- Saldanha, CJ, Rohmann, KN, Coomaralingam, L, & Wynne, RD. (2005). Estrogen provision by reactive glia decreases apoptosis in the zebra finch (*Taeniopygia guttata*). *Journal of Neurobiology*. 64(2): 192-201.
- Saldanha, CJ & Coomaralingam, L. (2005). Overlap and co-expression of estrogen synthetic and responsive neurons in the songbird brain – a double label immunocytochemical study. *General and Comparative Endocrinology*. 141(1): 66-75.
- Wynne, RD & Saldanha, CJ. (2004). Glial aromatization decreases neural injury in the zebra finch (*Taeniopygia guttata*): influence on apoptosis. *Journal of Neuroendocrinology* 16(8): 676-683.
- Oberlander, JG, Schlinger, BA, Clayton, NS & Saldanha, CJ. (2004). Neural aromatization accelerates the acquisition of spatial memory via an influence on the songbird hippocampus. *Hormones and Behavior*. 45 (4): 250-258.
- Saldanha, CJ, Schlinger, BA, Miceyvich, PE & Horvath, TL. (2004). Presynaptic NMDA-receptor expression is increased by estrogen in an aromatase-rich area of the songbird hippocampus. *Journal of Comparative Neurology*. 429: 522-534.
- Soma, KK, Schlinger, BA, Wingfield, JC & Saldanha, CJ. (2003). Brain Aromatase, 5 α -reductase, and 5 β -reductase change seasonally in wild song sparrows: relationship to aggressive and sexual behavior. *Journal of Neurobiology*. 56(3): 209-21.
- Pravosudov, VV, Kitaysky, AS, Saldanha, CJ, Wingfield, JC & Clayton, NS. (2002). The Effect of Photoperiod on Adrenocortical Stress Response in Mountain Chickadees (*Poecile gambeli*). *General and Comparative Endocrinology*. 126(2):242-8.
- Schlinger, BA, Soma, KK & Saldanha, CJ. (2001). *Advances in Avian Behavioral Endocrinology*. The Auk. 118(2): 283-289.
- Peterson, RS, Saldanha, CJ & Schlinger, BA. (2001). Rapid upregulation of aromatase mRNA and protein following neural injury in the zebra finch (*Taeniopygia guttata*). *The Journal of Neuroendocrinology*. 13: 317-323.
- Saldanha, CJ, Silverman, A-J & Silver, R. (2001). Direct innervation of GnRH neurons by encephalic photoreceptors. *Journal of Biological Rhythms* 16(1): 39-49.
- Saldanha, CJ, Schultz, JD, London, SE & Schlinger, BA. (2000). Telencephalic aromatase, but not a song circuit in a sub-oscine passerine, the golden collared manakin (*Manacus vitellinus*). *Brain Behavior and Evolution* 56: 29-57.
- Soma, KK, Sullivan, KA, Tramontin, AD, Saldanha, CJ, Schlinger, BA & Wingfield, JC. (2000). Acute and chronic effects of an aromatase inhibitor on territorial aggression in breeding and nonbreeding song sparrows. *Journal of Comparative Physiology A*. 186: 759-769.
- Saldanha, CJ, Tuerk, MJ, Kim, Y-H, Fernandes, AO, Arnold, AP & Schlinger, BA. (2000). The distribution and regulation of telencephalic aromatase in the zebra finch revealed with a novel antibody. *Journal of Comparative Neurology* 423: 619-630.
- Saldanha, CJ, Schlinger, BA & Clayton, NS. (2000). Rapid effects of corticosterone on cache-recovery in

- mountain chickadees (*Parus gambeli*). *Hormones and Behavior*. 37: 109-115.
- Deviche, PJ, Saldanha, CJ & Silver, R. (2000). Re establishment of photosensitivity is accompanied by a decrease in VIP expression in juncos (*Junco hyemalis*). *General and Comparative Endocrinology*. 117: 8-19.
- Saldanha, CJ, Clayton, NS & Schlinger, BA. (1999). Androgen metabolism in the juvenile oscine forebrain: a cross-species analysis at neural sites implicated in memory function. *Journal of Neurobiology*. 40: 397-406.
- Saldanha, CJ, Popper P, Micevych PE & Schlinger, BA. (1998) The passerine hippocampus is a site of high aromatase: inter- and intra-species comparisons. *Hormones and Behavior - Special Issue on Estrogen effects on Cognition across the Lifespan*. 34(2) 85-97.
- Saldanha, CJ & Schlinger, BA. (1997). Estrogen synthesis and secretion in the brown-headed cowbird (*Molothrus ater*). *General and Comparative Endocrinology*. 105: 390-401.
- Saldanha, CJ & Silver, R. (1995). Intraventricular prolactin inhibits hypothalamic vasoactive-intestinal polypeptide expression in doves. *Journal of Neuroendocrinology*. 7: 881-887.
- Saldanha, CJ, Leak, RK & Silver, R. (1994). Detection and transduction of daylength in birds. *Psychoneuroendocrinology*. 19: 641-656.
- Saldanha, CJ, Deviche, PJ & Silver, R. (1994). Increased VIP and decreased GnRH expression in photorefractory dark-eyed juncos (*Junco hyemalis*). *General and Comparative Endocrinology*. 93: 128-136.
- Wallman, J, Saldanha, CJ & Silver, R. (1994). A putative suprachiasmatic nucleus in birds responds to visual motion. *Journal of Comparative Physiology - A*. 174: 297-304.
- Silver R. & Saldanha, CJ. (1993). VIP and prolactin in avian reproduction. *Advances in Comparative Endocrinology* 1: 127-145.

Published Book Chapters

- Saldanha, CJ, Ramage-Healey, L & Schlinger, BA. (2012). Neuroanatomical distribution of aromatase in birds: cellular and subcellular analyses. In: "Brain, aromatase, estrogens and behavior," Balthazart, J & Ball, GF (eds). Oxford University Press.
- Duncan, KA & Saldanha, CJ. (2012). Inducible aromatase is astroglia: protection and recovery from neural perturbation in birds. In: "Brain, aromatase, estrogens and behavior," Balthazart, J & Ball, GF (eds). Oxford University Press.
- Saldanha, CJ & Schlinger BA. (2008). Steroidogenesis and Neuroplasticity in the songbird brain. In: *Neuroactive Steroids in Brain Function, Behavioral and Neuropsychiatric Disorders. Novel Strategies for Research and Treatment*. M.S. Ritsner and A. Weizman (eds). Springer.
- Saldanha, CJ & Schlinger, BA. (1998). The effects of estrogens in birds. In: *Encyclopedia of Reproduction*. (Knobil, E & Neill, J. (eds)). Academic Press.
- Saldanha, CJ & Silver, R. (1998). A general introduction to hormones. In: *Comparative Psychology: a Handbook*. (Greenberg, G & Haraway, M. (eds)).
- Silver, R & Saldanha, CJ. (1993). VIP and prolactin in avian reproduction. In: *Advances in Comparative Endocrinology I*. (Menon, GE (ed)). pp 127-145. CSRI. Trivandrum.

Professional Presentations

Invited Presentations

- 2013 i. Targeted and Dynamic: Steroidal regulation of brain and behavior. **Center for Behavioral Neuroscience Retreat. American University, Washington, DC.**
ii. The roles of synaptic and astroglial aromatization in learning and neuroprotection: lessons from a plastic brain. **Department of Physiology. Emory University School of Medicine. Atlanta, GA.**
- 2012 i. The right place at the right time: estrogen provision and neuroplasticity. **A Celebration of Research. The American University, Washington, DC.**
ii. When & where it's needed: estrogen synthesis & provision in the songbird brain. **University of North Texas Health Sciences. Fort Worth, TX.**
iii. Neurosteroidogenesis & Neurotrauma: What can animals with natural neuroplasticity teach us? **Session Chair & Organizer. Society for Neuroendocrinology. Madison, WI.**
iv. Traumatized yet Resilient: Glial Aromatase and the Angry Bird Brain. **Society for Neuroendocrinology. Madison, WI.**
v. Dynamic patterns of targeted aromatization in the vertebrate brain. **Rutgers University. New Brunswick, NJ.**
vi. Targeted and dynamic aromatization in the songbird brain: constitutive and inducible provision of estrogens. **Tulane University. New Orleans, LA.**
- 2011 i. Buttons and Glue: Estrogen provision in the songbird brain. Biology. **American University, Washington, DC.**
ii. Local estrogen synthesis and neuroprotection – lessons from songbirds. Biology & Neuroscience. **University of Puget Sound. Tacoma, WA.**
iii. Synaptic and Glial Aromatase: constitutive and inducible sources of estrogen in the vertebrate brain. Department of Neuroscience and Experimental Therapeutics. **Texas A&M. College Station, TX.**
- 2010 i. Buttons and Glue: Constitutive and inducible estrogen provision in the passerine brain. International Ornithological Congress. **Campos de Jordao, SP. Brazil.**
2009. i. Estrogen synthesis in curious cells and novel compartments of the songbird brain. Department of Biology. Willamette University. **Salem, OR.**
2008. i. Targeted hormone provision: estrogen synthesis in novel neural cells and compartments. Department of Biomedical Sciences. Colorado State University. **Fort Collins, CO.**
ii. Estrogen, brain damage, and learning in the songbird brain. Department of Biology. St. Norbert College, **De Pere, WI.**
iii. Targeted hormone provision: estrogen synthesis in curious cells and compartments of the songbird brain. Laboratory of Neuroendocrinology. UCLA. **Los Angeles, CA.**
iv.. The Synaptocrine Hypothesis: A novel form of estrogen delivery. Cognitive Science Program. Lehigh University. **Bethlehem, PA.**
2007. i. The Synaptocrine Hypothesis. What it is and what it ain't. Society for Behavioral

- Neuroendocrinology. Session Organizer and Chair. **Pacific Grove, CA.**
2006. i. Multiple modes of estrogen provision in the songbird brain. Dept. of Biology. Columbia University. **New York City, NY.**
ii. Compartment and cell-specific aromatization in a plastic vertebrate brain. Neurological Sciences Institute. Oregon Health Sciences University. **Portland, OR.**
iii. The role of cell- and compartment-specific estrogen provision in neuroplasticity. Dept. of Biology. Hope College. **Holland, MI.**
2005. i. Steroids in Context: Lessons from the Real World. Workshop on Steroids and Brain Function. **Breckenridge, CO.**
ii. Neural and Glial aromatase in the plastic songbird brain. Dept. of Animal Sciences. University of Maryland, **College Park, MD.**
2004. i. Neural estrogen synthesis and its role in adult neuroplasticity. Winter Conference on Learning and Memory. **Park City, Utah.**
2002. i. Estrogen synthesis in the songbird brain: implications for neural plasticity. Department of Psychology. Bucknell University. **Lewisburg, Pennsylvania.**
ii. Estrogen synthesis in the songbird brain: implications for neural plasticity. Department of Biology. East Stroudsburg University. **Stroudsburg, Pennsylvania.**
2001. i. Songbirds as models for studies on learning and memory. Department of Psychology. Lehigh University. **Bethlehem, Pennsylvania.**
ii. Neural synthesis of estrogen and its role in plasticity. Department of Biological Sciences. Lehigh University. **Bethlehem, Pennsylvania.**
2000. i. Estrogen synthesis in the songbird brain: a search for function. Department of Anatomy and Cell Biology. University of Southern California Health Sciences. **Los Angeles, CA.**
ii. Estrogen synthesis in the songbird brain: implications for neural plasticity. Department of Biology. Georgia State University. **Atlanta, GA.**
1999. i. Estrogen related mechanisms for memory in songbirds. Sex Hormones and Dementia. John Douglas French Alzheimer's Foundation Symposium. **Los Angeles, CA.**
1995. i. Seasonal modulation of the avian neuroendocrine axis. The Laboratory of Neuroendocrinology. University of California Los Angeles. **Los Angeles, CA.**

Contributed Presentations

- Saldanha, CJ, Pedersen, AL, Mehos-Milliken, CJ & Duncan, KA. (2013). Neuroimmune regulation of aromatase expression in the female songbird brain. Society for Neuroscience.
- Pedersen, AL, Winkler, M, Mehos-Milliken, CJ, Nelson, L & Saldanha, CJ. (2013). Peripheral administration of lipopolysaccharide increases neural aromatase expression in a songbird. Society for Behavioral Neuroendocrinology.
- Makeyeva, Y, Mendez, TC, Thern, NL, Saldanha, CJ & Bailey, DJ. (2012). Vesicular Glutamate Transporter-2 expression is sexually dimorphic in zebra finch hippocampal neurons. Society for Neuroscience.
- Saldanha, CJ, Tremere, LA, Bailey, DJ & Pinaud, R. (2012). Presynaptic neurotransmission in HVC

- neurons is potently inhibited by androgens in the adult male zebra finch. Society for Neuroscience.
- Bailey, DJ & Saldanha, CJ. (2012). Hippocampal aromatase inhibition decreases acquisition of and performance on a spatial memory task. International Behavioral Neuroscience Society.
- Bailey, DJ & Saldanha, CJ. (2012). Aromatase inhibition in the zebra finch hippocampus decreases acquisition and performance in a spatial memory task. Society for Behavioral Neuroendocrinology.
- Cornil, CA, Leung, CH, Pletcher, ER, Naranjo, KC & Saldanha, CJ. (2011). Synaptosomal aromatase is more rapidly inhibited by calcium dependent phosphorylations than microsomal aromatase in the zebra finch brain
- Bailey, DJ & Saldanha, CJ. (2011). Local inhibition of constitutive, presynaptic aromatase in the passerine hippocampus decreases acquisition of spatial memory. Society for Neuroscience.
- Burstein, SR, Duncan, KA. & Saldanha, CJ. (2011). Temporal pattern of interleukin 1 (IL-1), interleukin 6 (IL-6), and aromatase protein expression in the injured songbird brain. Society for Behavioral Neuroendocrinology.
- Pletcher, ER, Duncan, KA. & Saldanha, CJ. (2011). LPS induces a peripheral cytokine response in White Leghorn chickens (*Gallus gallus*), but not in Zebra Finches (*Taeniopygia Guttata*): a comparative study. Society for Behavioral Neuroendocrinology.
- Saldanha, CJ & Duncan, KA. (2010). Temporal pattern of interleukin 1 (IL-1), interleukin 6 (IL-6), and aromatase protein expression in the injured songbird brain. Society for Neuroscience.
- Duncan, KA & Saldanha, CJ. (2010). PHA-induced neuroinflammation initiates the transcription and translation of glial aromatase in the uninjured songbird brain in males and females. Society for Neuroscience.
- Walters, BJ, Alexiades, NA & Saldanha, CJ. (2010). Intracerebral estrogen provision increases neurogenesis and cell proliferation in the injured zebra finch brain. Society for Neuroscience.
- Duncan, KA & Saldanha (2010). PHA-induced neuroinflammation initiates the transcription and translation of glial aromatase in the uninjured songbird brain in males and females. Society for Behavioral Neuroendocrinology.
- Walters, BJ, Alexiades, NA & Saldanha, CJ. (2010). Intracerebral estrogen provision increases neurogenesis and cell proliferation in the injured zebra finch brain. Society for Behavioral Neuroendocrinology.
- Duncan, KA, Saldanha, CJ. & Carruth, LL. (2009). Sex Differences and Localization of Steroid Receptor Coactivator 1 (SRC-1) in the zebra finch brain. Society for Neuroscience.
- Ash, AL, Saldanha, CJ & Bailey, DJ. (2009). Calbindin-D28k expression increases in the dorsolateral hippocampus following corticosterone treatment in the zebra finch. Society for Neuroscience.
- Walters, BJ & Saldanha, CJ. (2009). Widespread expression of Bone Morphogenetic Protein 2 in the adult zebra finch brain: sex dimorphisms and response to injury. Society for Neuroscience.
- Duncan, KA, Saldanha, CJ. & Carruth, LL. (2009). Sex Differences and Localization of Steroid Receptor Coactivator 1 (SRC-1) in the zebra finch brain. Society for Behavioral Neuroendocrinology.
- Walters, BJ & Saldanha, CJ. (2009). Bone Morphogenetic Protein-2 expression is sexually dimorphic in

- the adult zebra finch forebrain: an immunocytochemical study. *Society for Behavioral Neuroendocrinology*.
- Wynne, RD, Walters, BJ, Lovell, P & Saldanha, CJ. (2007). Shared sequences between neuronal and glial aromatase in songbird brain. *Society for Neuroscience Abstracts*.
- Stoyanovitch A., Saldanha CJ, Sharp PJ & Fraley GS. (2006). Characterization of Kisspeptin in the brain of the Mallard duck, *Anas platyrhynchos*. *Society for Neuroscience*.
- Pinaud, R, Saldanha, CJ, Lovell, P, Wynne, RD, & Mello, CV. (2006). Calbindin expression is sexually dimorphic in a major thalamo-cortical projection in the adult zebra finch song circuit. *Society for Neuroscience Abstracts*.
- Wynne, RD, Walters, BJ & Saldanha, CJ. (2006). Injury-induced glial aromatase: a robust endogenous inhibitor of apoptotic degeneration in the passerine brain. *Society for Neuroscience Abstracts*.
- Stoyanovitch A., Saldanha CJ, Sharp PJ & Fraley GS. (2006). Characterization of Kisspeptin in the brain of the Mallard duck, *Anas platyrhynchos*. *Society for Behavioral Neuroendocrinology*.
- Wynne RD, Walters BJ & Saldanha CJ. (2006). Inhibition of aromatase reveals the characteristic wave of secondary degeneration following brain injury in the zebra finch. *Society for Behavioral Neuroendocrinology*.
- Rohmann KN, Schlinger, BA & Saldanha CJ. (2005). Sex differences in the microsomal compartmentalization of telencephalic aromatase in the zebra finch. *Society for Neuroscience*.
- Rohmann KN, Schlinger, BA & Saldanha CJ. (2005). Sex differences in the microsomal compartmentalization of telencephalic aromatase in the zebra finch. *Society for Behavioral Neuroendocrinology*. Austin, Texas.
- Wynne RD, Coomaringam L, Rohmann K & Saldanha CJ. (2004). Locally synthesized estradiol via glial aromatization decreases neural injury in the zebra finch. *Society for Neuroscience*.
- Kullar RK, Patel NP, Randall JF & Saldanha CJ. (2004). Orthogonal patterns of neuroplasticity in the hippocampus and song system of a food storing songbird. *Society for Neuroscience*.
- Wynne RD, Coomaringam L, Rohmann K & Saldanha CJ. (2004). Locally synthesized estradiol via glial aromatization decreases neural injury in the zebra finch. *Society for Behavioral Neuroendocrinology*.
- Kullar RK, Patel NP, Randall JF & Saldanha CJ. (2004). Orthogonal patterns of neuroplasticity in the hippocampus and song system of a food storing songbird. *Society for Behavioral Neuroendocrinology*.
- Saldanha, CJ, Peterson, RS, Yarram, L & Schlinger, BA. (2003). The synaptocrine hypothesis: a novel form of estrogen delivery. *Society for Neuroscience Abstracts*.
- Wynne, RD, Coomaringam, L & Saldanha, CJ. (2003). Co-expression of aromatase and estrogen receptor α in preoptic but not telencephalic neurons of the songbird brain. *Society for Neuroscience Abstracts*.
- Capadonna, NA, Mo, Q, Simon, NG & Saldanha CJ. (2003). Widespread expression of estrogen receptor beta in the songbird brain. *The Society for Behavioral Neuroendocrinology*.
- Saldanha, CJ, Peterson, RS, Yarram, L & Schlinger, BA. (2003). The synaptocrine hypothesis: a novel form of estrogen delivery. *The Society for Behavioral Neuroendocrinology*.
- Saldanha, CJ, Schlinger, BA & Clayton, NS. (2002). Estrogen accelerates the acquisition of spatial memory

- in the zebra finch. Behavioral Neurobiology of Bird Song – 16th Annual Symposium of the Center for Gene Structure and Function. CUNY.
- Saldanha, CJ, Schlinger, BA & Horvath, TL. (2001). Presynaptic NMDA-type glutamate receptors are increased in response to estrogen in the songbird hippocampus. Society for Neuroscience Abstracts.
- Soma, KK, Schlinger, BA & Saldanha, CJ. (2001). Seasonal changes in aromatase activity and aggression in song sparrows. Society for Neuroscience Abstracts.
- Saldanha, CJ, Schlinger, BA & Horvath, TL. (2000). Ultrastructural characteristics of NMDAR (type1)-expressing neurons in the zebra finch hippocampus. Society for Neuroscience Abstracts.
- Peterson, RS, Saldanha, CJ, Mills, R & Schlinger, BA. (2000). Aromatase is rapidly transcribed and translated in glia following neural injury in the zebra finch. Society for Neuroscience Abstracts.
- Schlinger, BA, Freking, F & Saldanha, CJ. (2000). Steroidogenic enzymes expression in the developing and adult songbird brain. Society for Neuroscience Abstracts.
- Saldanha, CJ, Horvath, TL & Schlinger, BA. (1999). Co-expression of aromatase and NMDA receptor (type 1) in the songbird telencephalon. Society for Neuroscience Abstracts.
- Schlinger, BA, Saldanha, CJ, Campagnoni, AT & Arnold, AP. (1999). Telencephalic aromatase expression in the zebra finch brain revealed with a specific antibody. Society for Neuroscience Abstracts.
- Clayton, NS, Saldanha, CJ & Schlinger, BA. (1999). Rapid effects of corticosterone on cache recovery in mountain chickadees. Society for Neuroscience Abstracts.
- Saldanha, CJ, London, SE, Sanford, K, Clayton, NS & Schlinger, BA. (1998) Androgen metabolism in the juvenile oscine forebrain: a cross-species analysis at neural sites implicated in memory. Society for Neuroscience Abstracts.
- Schlinger, BA, London, SE, Schultz, JD & Saldanha, CJ. (1998). Aromatase in the telencephalon of a sub-oscine bird. Society for Neuroscience Abstracts.
- Saldanha, CJ. (1998). Estrogen effects on songbird memory. Sex Hormones and Dementia. John Douglas French Alzheimer's Foundation Symposium. Los Angeles, CA.
- Clayton, NS, Sanford, K, Saldanha, CJ & Schlinger, BA. (1997). Inhibition of aromatase in zebra finches impairs spatial memory performance and hippocampal structure I: Behavior. Society for Neuroscience Abstracts.
- Saldanha, CJ, Clayton, NS, Sanford, K & Schlinger, BA. (1997). Inhibition of aromatase in zebra finches impairs spatial memory performance and hippocampal structure II: Anatomy. Society for Neuroscience Abstracts.
- Schlinger, BA & Saldanha, CJ. (1997). Estrogen synthesis in the songbird hippocampus: effects on learning and memory. UCLA Center on Aging.
- Saldanha, CJ. (1997). Aromatase in the songbird hippocampus: a model for estrogen effects on memory. Young Investigator Awardee Symposium. Workshop: Steroids and Brain function.
- Saldanha, CJ. (1997). Aromatase and the modulation of hippocampal structure and function in the songbird: a model for steroidal effects on memory. The Laboratory of Neuroendocrinology. University of California Los Angeles.
- Saldanha, CJ, Cam, VT & Schlinger, BA. (1996). The songbird hippocampus is a site of high aromatase activity. Society for Neuroscience Abstracts.

- Saldanha, CJ, Silverman, A-J & Silver, R. (1995). Light- and electron-microscopic investigations of the avian photoneuroendocrine axis. Society for Neuroscience Abstracts.
- Deviche, PJ, Saldanha, CJ & Silver, R. (1995). Re establishment of photosensitivity decreases VIP expression in dark-eyed juncos. Society for Neuroscience Abstracts.
- Saldanha, CJ, & Silver, R. (1994). The avian photoneuroendocrine axis: double label studies of opsin and GnRH. The Conference on Reproductive Behavior.
- Saldanha, CJ, Deviche, PJ & Silver, R. (1993). Increased VIP and decreased GnRH in photorefractory dark-eyed juncos (*Junco hyemalis*). Society for Neuroscience Abstracts.
- Wallman, J, Silver, R & Saldanha, CJ. (1993). A putative suprachiasmatic nucleus in birds responds to visual motion. Society for Neuroscience Abstracts.
- Saldanha, CJ & Silver, R. (1992). Intracerebroventricular prolactin decreases infundibular VIP-like immunoreactivity in the ring dove. Society for Neuroscience Abstracts.

Students and Trainees – past (Academia and Industry).

2010-2011	Cary Leung Ph.D.	Assistant Professor, Widener University, Chester, PA.
2008-2011	Kelli A. Duncan Ph.D.	Assistant Professor, Vassar College, Poughkeepsie, NY
2008-2011	Suzanne Burstein	Neurobiology, Weill Medical College, New York, NY
2005- 2010	Bradley Walters Ph.D.	Postdoctoral Researcher. St Jude Children’s Hosp. Memphis, TN
2006- 2009	Audrey Turnowchyk	Grad Student. Neurobiology. Northwestern Univ, Evanston, IL
2006-2007	David Bailey Ph.D.	Associate Professor, St. Norbert College, De Pere, WI
2005-2008	Christopher Chen	Grad Student. Biomedicine. Einstein Medical Coll., Bronx, NY
2004-2006	Jonathan Cooper	Grad Student. Mol Biol. & Biochem. Weill Med Coll. NY, NY
2002-2008	Ryan Wynne Ph.D.	Assistant Professor. St. Thomas Aquinas Coll, Sparkill, NY
2002-2005	Kevin Rohmann Ph.D.	Postdoctoral Scientist. Johns Hopkins University. Baltimore, MD
2001-2003	Joe Oberlander Ph.D.	Postdoctoral Scientist. Northwestern University. Evanston, IL.

Students and Trainees – past (Clinical).

2010-2011	Jafar Hussain	Temple University School of Medicine. Philadelphia, PA
2008-2011	Eric R. Pletcher	Temple University School of Medicine. Philadelphia, PA
2008-2011	Kevin C. Naranjo	Columbia College of Physicians & Surgeons, New York, NY
2006-2009	Nikita Alexiades MD.	
2008-2009	Matthew Rippberger MD.	
2007-2009	Vishal Patel MD.	
2005-2008	Alyssa Neibulowicz DMD.	
2005-2008	Alexander Volchonok DMD.	
2005-2007	Alessia Carluccio MD.	
2005-2007	Alessandra Intili MD.	

2003-2004 Jennifer Randall MD.
 2002-2004 Nimita Patel DO.
 2002-2004 Lukshman Coomaringam MD.
 2002-2004 Rupinder Kullar MD.

Service

Reviewer for Scientific Journals.

Journal of Neuroscience
 Neuroscience
 Nature Neuroscience
 Nature Neuroscience - Methods
 Journal of Comparative Neurology
 Proceedings of the Royal Society
 Journal of Neurochemistry
 Journal of Neuroendocrinology
 European Journal of Neuroscience
 Brain Research
 Journal of Comparative Physiology
 Brain Behavior and Evolution
 Hormones and Behavior
 Physiological and Biochemical Zoology
 Developmental Neurobiology
 Neurobiology of Learning and Memory
 General and Comparative Endocrinology
 Endocrinology

Service to the International Scientific Community, University, College of Arts & Sciences, and Department.

2013	Chair	Department of Biology. American University
2012	Member	Center for Behavioral Neuroscience Advisory Committee
2012	Chair	Institutional Animal Care and Use Committee. American University
2012	Member	Distinguished Professor Committee. American University.
2012	Co-Chair	Developmental Biology Search Committee. Dept. of Biology, American Univ.
2012	Member	Middle States Accreditation Committee on Faculty. American University
2012	Liason	Library and Biology. American University
2011-13	Chair	Rank & Tenure Committee – Natural Sciences. CAS. American University

2011-13	Member	Rank & Tenure Committee – Biology. American University.
2011	Member	Computational Neuroscience Search Committee. CAS. American University.
2011	Member	Undergraduate Education Committee, Dept. of Biology, American University
2011	Member	Search Committee – Computational Neuroscientist. American University
2011	Council	Federation of Associations in Behavioral and Brain Sciences. Washington, DC
2010	Chair	Tenure & Promotions Committee. CSAS. Lehigh University
2010	Chair	Biology and the Health Initiative. Dept. of Biological Sciences.
2010	Attendee	Retreat. College of Arts and Sciences. Lehigh University
2010	Member	Lehigh Committee on India
2010	Member	Infrastructure Committee. Biological Sciences. Lehigh University.
2009-2013	Member	Education Committee. Society for Behavioral Neuroendocrinology.
2009-2011	Chair	Education Committee. Society for Behavioral Neuroendocrinology.
2009-2010	Member	SuperCogs. Executive Member. Program in Cognitive Science.
2009	Mentor	Society for Behavioral Neuroendocrinology Meeting. Postdoctoral
2009	Elected	University Personnel Committee (declined)
2009	Co-Director	(Interim). Animal Facility. Dept. of Biological Sciences. Lehigh University.
2009	Facilitator	College of Arts and Sciences Retreat. Balancing our Workloads.
2008-2009	Member	Organizing Comm. Academic Symposium 2009: A Tradition of Excellence.
2008-2011	Member	Tenure and Promotions Committee. CSAS. Lehigh Univ.
2008-2011	Member	Executive Committee. Department of Biological Sciences.
2008	Speaker	Candidates Day. College of Arts and Sciences. Lehigh University.
2008	Member	Steering Committee. Strategic Thinking Initiative.
2008	Co-Chair.	Strategic Thinking Working Groups – Scholarship and Graduate Education
2007	Participant	Academic Symposium: the Inauguration of President Alice Gast.
2007-	Member	Website Committee. Society for Behavioral Neuroendocrinology
2007-	Coordinator	Doctoral Program: Integrative Biology & Neuroscience. Biological Sciences.
2007	Speaker	Junior Day. College of Arts and Sciences. Lehigh University.
2007	Member.	Organizing Comm. Academic Symposium 2007: A Celebration of Scholarship.
2007-2009	Member	IT Committee. Society for Behavioral Neuroendocrinology.
2006	Speaker	Candidate's Day. College of Arts and Sciences. Lehigh University.
2006	Interviewee	University Relations. Lehigh University.
2005	Member	Signal Transduction Search Committee. Biological Sci. Lehigh University.
2004	Member	Nominations Committee. Society for Behavioral Neuroendocrinology.
2004	Member	Evolution Search Committee, Dept. of Biological Sciences. Lehigh University.
2004	Member	Social Psychology Search Committee. Dept. of Psychology. Lehigh University.
2004	Contributor	Bioengineering Program Planning Consortium. Lehigh University.
2003-	Member	Undergraduate Curriculum Committee, Dept. of Biological Sci. Lehigh Univ.
2003	Host	Behavioral Neuroendocrinology Social. Society for Neuroscience Meeting.
2003	Member	Animal Facility Planning Committee, Dept. of Biological Sci. Lehigh Univ.
2002	Member	Receptor Biologist Search Committee. Dept. of Biological Sci. Lehigh Univ.

Memberships and Affiliations

The Society for Neuroscience.

The Society for Behavioral Neuroendocrinology.

The Endocrine Society.

The Federation of Associations in Behavioral and Brain Sciences.

The Organization for the Study of Sex Differences.