

PUBLICATIONS OF ELIZABETH ADKINS-REGAN

BOOK

Adkins-Regan, E. (2005). *Hormones and Animal Social Behavior*. Princeton University Press. (Monographs in Behavior and Ecology) [Reviewed in *Science* (2005, 310:1905), *BioScience* (2006, 56:2), *Quarterly Review of Biology* (2006, 81:205), *Animal Behaviour* (2006, 71:740), *Journal of Experimental Biology* (2006, 209:1787), *Ethology* (2007, 112:1233), and *Investigación y Ciencia* (2005, Nov: 92)].

ARTICLES AND BOOK CHAPTERS (in chronological order)

Request copies by email at er12@cornell.edu

Kocher, E.C. and Fisher, G.L. (1969). Subjective intensity and taste preference. *Perceptual and Motor Skills*, 28, 735-740.

Nachmias, J. and Kocher, E.C. (1970). Visual detection and discrimination of luminance increments. *Journal of the Optical Society of America*, 60, 382-389.

Adkins, E.K. and Adler, N.T. (1972). Hormonal control of behavior in the Japanese quail. *Journal of Comparative and Physiological Psychology*, 81, 27-36.

Adkins, E.K. (1973). Functional castration of the female Japanese quail. *Physiology and Behavior*, 10, 619-621.

Adkins, E.K. (1974). Electrical recording of copulation in quail. *Physiology and Behavior*, 13, 475-477.

Adkins, E.K. and Mason, P. (1974). Effects of cyproterone acetate in the male Japanese quail. *Hormones and Behavior*, 5, 1-6.

Adkins, E.K. (1975). Hormonal basis of sexual differentiation in the Japanese quail. *Journal of Comparative and Physiological Psychology*, 89, 61-71.

Green, J.A. and Adkins, E.K. (1975). Effects of prenatal and early postnatal auditory stimulation on early approach and vocalization behavior in the Japanese quail (*Coturnix coturnix japonica*). *Behaviour*, 52, 145-154.

Adkins, E.K. (1976). Embryonic exposure to an antiestrogen masculinizes behavior of female quail. *Physiology and Behavior*, 17, 357-359.

Adkins, E.K. and Nock, B. (1976). Behavioral responses to sex steroids of gonadectomized and sexually regressed quail. *Journal of Endocrinology*, 68, 49-55.

- Adkins, E.K. and Nock, B.L. (1976). The effects of the antiestrogen CI-628 on sexual behavior activated by androgen or estrogen in quail. *Hormones and Behavior*, 7, 417-429.
- Mason, P. and Adkins, E.K. (1976). Hormones and social behavior in the lizard, *Anolis carolinensis*. *Hormones and Behavior*, 7, 75-86.
- Adkins, E.K. (1977). Effects of diverse androgens on the sexual behavior and morphology of castrated male quail. *Hormones and Behavior*, 8, 201-207.
- Adkins, E.K. (1978). Sex steroids and the differentiation of avian reproductive behavior. *American Zoologist*, 18, 501-509.
- Adkins, E.K. and Pniewski, E.E. (1978). Control of reproductive behavior by sex steroids in male quail. *Journal of Comparative and Physiological Psychology*, 92, 1169-1178.
- Adkins, E.K. (1979). Effect of embryonic treatment with estradiol or testosterone on sexual differentiation of the quail brain: Critical period and dose-response relationships. *Neuroendocrinology*, 29, 178-185.
- Adkins, E.K. and Schlesinger, L. (1979). Androgens and the social behavior of male and female lizards, *Anolis carolinensis*. *Hormones and Behavior*, 13, 139-152.
- Adkins, E.K. (1980). Genes, hormones, and gender. In *Sociobiology: Beyond Nature/Nurture* (edited by G.W. Barlow and J. Silverberg), pp. 385-415. AAAS, Washington, D.C.
- Adkins, E.K., Boop, J.J., Koutnik, D.L., Morris, J.B. and Pniewski, E.E. (1980). Further evidence that androgen aromatization is essential for the activation of copulation in male quail. *Physiology and Behavior*, 24, 441-446.
- Adkins, E.K. (1981). Hormone specificity, androgen metabolism, and social behavior. *American Zoologist*, 21, 257-271.
- Adkins-Regan, E.K. (1981). Early organizational effects of hormones: An evolutionary perspective. In N.T. Adler (Ed.), *Neuroendocrinology of Reproduction: Physiology and Behavior*, pp. 159-228. New York: Plenum Press.
- Adkins-Regan, E. (1981). Effect of sex steroids on the reproductive behavior of castrated male ring doves (*Streptopelia* sp.). *Physiology and Behavior*, 26, 561-565.
- Adkins-Regan, E., Pickett, P., and Koutnik, D. (1982). Sexual differentiation in quail: Conversion of androgen to estrogen mediates testosterone-induced demasculinization of copulation but not other male characteristics. *Hormones and Behavior*, 16, 259-278.
- Adkins-Regan, E. and Hurvitz, E.D. (1982). α , p'-DDT causes growth of an androgen dependent gland in *Coturnix* quail. *Experientia*, 38, 1082.

- Adkins-Regan, E. (1983). Sex steroids and the differentiation and activation of avian reproductive behavior. In J. Balthazart, E. Prove, and R. Gilles (Eds.), *Hormones and Behaviour in Higher Vertebrates*, pp. 218-228. Springer-Verlag: Berlin.
- Rissman, E.F., Ascenzi, M., Johnson, P. and Adkins-Regan, E. (1984). Effect of embryonic treatment with oestradiol benzoate on reproductive morphology, ovulation and oviposition and luteinizing hormone levels in female quail (*Coturnix coturnix japonica*). *Journal of Reproduction and Fertility*, 71, 411-417.
- Rissman, E.F. and Adkins-Regan, E. (1984). Androgens and reproductive behavior in ovariectomized ring doves. *Physiology and Behavior*, 32, 697-699.
- Dudley, S.D., Salisbury, R.S., Adkins-Regan, E. and Weisz, J. (1984). Courtship stimulates aromatase activity in preoptic area of brain in male ring doves. *Endocrinology*, 115, 1224-1226.
- Ottinger, M.A., Adkins-Regan, E., Buntin, J., Cheng, M.-F., DeVogd, T., Harding, C. and Opel, H. (1984). Hormonal mediation of reproductive behavior. *Journal of Experimental Zoology*, 232, 605-616.
- Adkins-Regan, E. (1985). Mechanisms of sex determination in vertebrates. *Science Progress*, 69, 553-568.
- Adkins-Regan, E. and Ascenzi, M. (1985). Does neonatal gonadectomy affect the sexual differentiation of quail? *Hormones and Behavior*, 19, 71-76.
- Adkins-Regan, E. (1985). Nonmammalian psychosexual differentiation. In N. T. Adler, R. Goy, and D. Pfaff (Eds.), *Handbook of Behavioral Neurobiology, Vol. 7, Reproduction*, pp. 43-76. Plenum: New York.
- Adkins-Regan, E. (1985). Embryonic exposure to an aromatization inhibitor increases copulatory behavior of male quail. *Behavioural Processes*, 11, 153-158.
- Adkins-Regan, E. (1987). Hormones and sexual differentiation. In D. O. Norris and R. E. Jones (Eds.), *Hormones and Reproduction in Fishes, Amphibians, and Reptiles*. Plenum: New York.
- Adkins-Regan, E. and Garcia, M. (1986). Effect of flutamide (an antiandrogen) and diethylstilbestrol on the reproductive behavior of Japanese quail. *Physiology and Behavior*, 36, 419-425.
- Adkins-Regan, E. and Ascenzi, M. (1987). Social and sexual behaviour of male and female zebra finches treated with oestradiol during the nestling period. *Animal Behaviour*, 35, 1100-1112.
- Adkins-Regan, E. (1987). Sexual differentiation in birds. *Trends in Neurosciences*, 10, 517-522.

- Fabre-Nys, C. and Adkins-Regan, E. (1987). Antisteroid action in brain and changes in animal behavior. In M.K. Agarwal (Ed.) *Receptor Mediated Antisteroid Action*, pp. 435-468. Walter de Gruyter: Berlin.
- Adkins-Regan, E. and Ottinger, M.A. (1988). Profiles of plasma androgens in quail following testosterone injection at two different times of day. *General and Comparative Endocrinology*, 69, 246-251.
- Watson, J.T., Adkins-Regan, E., Whiting, P., Lindstrom, J.M., and Podleski, T.R. (1988). Autoradiographic localization of nicotinic acetylcholine receptors in the brain of the zebra finch (*Poephila guttata*). *Journal of Comparative Neurology*, 274, 255-264.
- Adkins-Regan, E. (1988). Sex hormones and sexual orientation in animals. *Psychobiology*, 16, 335-347.
- Watson, J.T. and Adkins-Regan, E. (1989). Neuroanatomical localization of sex steroid concentrating cells in the Japanese quail (*Coturnix japonica*): Autoradiography with (³H)-estradiol, (³H)-testosterone and (³H)-dihydrotestosterone. *Neuroendocrinology*, 49, 51-64.
- Adkins-Regan, E., Signoret, J.-P. and Orgeur, P. (1989). Sexual differentiation of reproductive behavior in pigs: Defeminizing effects of prepubertal estradiol. *Hormones and Behavior*, 23, 290-303.
- Signoret, J.P., Adkins-Regan, E., and Orgeur, P. (1989). Bisexuality in the prepubertal male pig. *Behavioral Processes*, 18, 133-140.
- Watson, J.T. and Adkins-Regan, E. (1989). Activation of sexual behavior by implantation of testosterone propionate and estradiol benzoate into the preoptic area of the male Japanese quail (*Coturnix japonica*). *Hormones and Behavior*, 23, 251-268.
- Watson, J. T. and Adkins-Regan, E. (1989). Testosterone implanted in the preoptic area of male Japanese quail must be aromatized to activate copulation. *Hormones and Behavior*, 23, 432-447.
- Adkins-Regan, E., Abdelnabi, M., Mobarak, M. and Ottinger, M. A. (1990). Sex steroid levels in developing and adult male and female zebra finches (*Poephila guttata*). *General and Comparative Endocrinology*, 78, 93-109.
- Adkins-Regan, E. and Ascenzi, M. (1990). Sexual differentiation of behavior in the zebra finch: effect of early gonadectomy or androgen treatment. *Hormones and Behavior*, 24, 114-127.
- Watson, J. T., Abdelnabi, M., Wersinger, S., Ottinger, M.A. and Adkins-Regan, E. (1990). Circulating estradiol and the activation of male and female copulatory behavior in Japanese quail (*Coturnix japonica*). *General and Comparative Endocrinology*, 77, 229-238.

- Adkins-Regan, E. and Watson, J. T. (1990). Sexual dimorphism in the avian brain is not limited to the song system of songbirds: a morphometric analysis of the brain of the quail (*Coturnix japonica*). *Brain Research*, 514, 320-326.
- Adkins-Regan, E. (1990). Is the snark still a boojum? The comparative approach to reproductive behavior. *Neuroscience and Biobehavioral Reviews*, 14, 243-252.
- Adkins-Regan, E. (1990). Hormonal bases of sexual differentiation in birds. In Balthazart, J. (Ed.) *Hormones, Brain and Behavior*, pp. 1-14, Basel: Karger.
- Dorries, K.M., Adkins-Regan, E., and Halpern, B.P. (1991). Sex difference in olfactory sensitivity to the boar chemosignal, androstenone, in the domestic pig. *Animal Behaviour*, 42, 403-411.
- Thompson, R.R. and Adkins-Regan, E. (1992). Ontogeny of a sexually dimorphic nucleus in the preoptic area of the Japanese quail (*Coturnix japonica*). *Developmental Brain Research*, 70, 231-237.
- Adkins-Regan, E. and Robinson, T.M. (1993). Sex differences in aggressive behavior in zebra finches (*Poephila guttata*). *Journal of Comparative Psychology*, 107, 223-229.
- Adkins-Regan, E., Mansukhani, V., Seiwert, C. and Thompson, R. (1994). Sexual differentiation of brain and behavior in the zebra finch: critical periods for effects of early estrogen treatment. *Journal of Neurobiology*, 25, 865-877.
- Thompson, R. R. and Adkins-Regan, E. (1994). Photoperiod affects the morphology of a sexually dimorphic nucleus within the preoptic area of male Japanese quail. *Brain Research*, 667, 201-208.
- Dorries, K. M., Adkins-Regan, E. and Halpern, B. P. (1995). Olfactory sensitivity to the pheromone, androstenone, is sexually dimorphic in the pig. *Physiology and Behavior*, 57, 255-259.
- Adkins-Regan, E., Ottinger, M. A. and Park, J. (1995). Maternal transfer of estradiol to egg yolks alters sexual differentiation of avian offspring. *Journal of Experimental Zoology*, 271, 466-470.
- Adkins-Regan, E. (1995). Predictors of fertilization in the Japanese quail, *Coturnix japonica*. *Animal Behaviour*, 50, 1405-1415.
- Adkins-Regan, E. (1996). Neural and hormonal mechanisms of behavior: physiological causes and consequences. In L. Houck and L. Drickamer (Eds.), *Foundations of Animal Behavior*, pp. 389-405. Chicago: University of Chicago Press.
- Adkins-Regan, E., Yang, S. and Mansukhani, V. (1996). Behavior of male and female zebra finches treated with an estrogen synthesis inhibitor as nestlings. *Behaviour*, 133, 847-862.

- Mansukhani, V., Adkins-Regan, E. and Yang, S. (1996). Sexual partner preference in female zebra finches: the role of early hormones and social environment. *Hormones and Behavior*, 30, 506-513.
- Adkins-Regan, E. (1996). Neuroanatomy of sexual behavior in the male Japanese quail from top to bottom. *Poultry and Avian Biology Reviews*, 7, 193-204.
- Dorries, K. M., Adkins-Regan, E. and Halpern, B. P. (1997). Sensitivity and behavioral responses to the pheromone androstenone are not mediated by the vomeronasal organ in domestic pigs. *Brain, Behavior and Evolution*, 49, 53-62.
- Adkins-Regan, E., Mansukhani, V., Thompson, R. and Yang, S. (1997). Organizational actions of sex hormones on sexual partner preference. *Brain Research Bulletin*, 44, 497-502.
- Goodson, J. L. and Adkins-Regan, E. (1997). Playback of crows of male Japanese quail elicits female phonotaxis. *Condor*, 99, 990-993.
- Thompson, R. R., Goodson, J. L., Ruscio, M. G. and Adkins-Regan, E. (1998). Role of the archistriatal nucleus taeniae in the sexual behavior of male Japanese quail (*Coturnix japonica*): a comparison of function with the medial nucleus of the amygdala in mammals. *Brain, Behavior and Evolution*, 51, 215-229.
- Adkins-Regan, E. (1998). Hormonal mechanisms of mate choice. *American Zoologist*, 38, 166-178.
- Seiwert, C. M. and Adkins-Regan, E. (1998). The foam production system of the male Japanese quail: characterization of structure and function. *Brain, Behavior and Evolution*, 52, 61-80.
- Goodson, J. L., Eibach, R., Sakata, J. and Adkins-Regan, E. (1999). Effect of septal lesions on male song and aggression in the colonial zebra finch (*Taeniopygia guttata*) and the territorial field sparrow (*Spizella pusilla*). *Behavioural Brain Research*, 98, 167-180.
- Goodson, J. L. and Adkins-Regan, E. (1999). Effect of intraseptal vasotocin and vasoactive intestinal polypeptide infusions on courtship song and aggression in the male zebra finch (*Taeniopygia guttata*). *Journal of Neuroendocrinology*, 11, 19-25.
- Adkins-Regan, E. (1999). Testosterone increases singing and aggression but not male-typical sexual partner preference in early estrogen treated female zebra finches. *Hormones and Behavior*, 35, 63-70.
- Adkins-Regan, E. (1999). Foam produced by male *Coturnix* quail: what is its function? *Auk*, 116, 184-193.

- Adkins-Regan, E. and Krakauer, A. (2000). Removal of adult males from the rearing environment increases preference for same sex partners in the zebra finch (*Taeniopygia guttata*). *Animal Behaviour*, 60, 47-53.
- Adkins-Regan, E. and Wade, J. (2001). Masculinized sexual partner preference in female zebra finches with sex-reversed gonads. *Hormones and Behavior* 39, 22-28.
- Adkins-Regan, E. and Weber, D. (2002). Mechanisms of behavior. In Dell’Omo, (Ed.), *Behavioural Ecotoxicology*. Chichester: John Wiley & Sons (Ecological and Environmental Toxicology Series), pp. 91-166.
- Adkins-Regan, E. (2002). Development of sexual partner preference in the zebra finch: a socially monogamous, pair-bonding animal. *Archives of Sexual Behavior* 31, 21-27. [Reprinted in POWERWEB: Human Sexuality-OLC (Hyde), first edition, McGraw-Hill]
- Balthazart, J. and Adkins-Regan, E. (2002). Sexual differentiation of brain and behavior in birds. In Pfaff, D. et al. (Eds.), *Hormones, Brain and Behavior*, vol. 4, pp. 223-301. San Diego: Academic Press.
- McGraw, K. J., Adkins-Regan, E. and Parker, R. S. (2002). Anhydrolutein in the zebra finch: a new, metabolically derived carotenoid in birds. *Comparative Biochemistry and Physiology B* 132, 811-818.
- Remage-Healey, L., Adkins-Regan, E. and Romero, L. M. (2003). Behavioral and adrenocortical responses to mate separation and reunion in the zebra finch. *Hormones and Behavior* 43, 108-114.
- Ruscio, M. G. and Adkins-Regan, E. (2003). Effect of female brooding behavior on male mate choice in Japanese quail, *Coturnix japonica*. *Animal Behaviour* 65, 397-403.
- Adkins-Regan, E. and MacKillop, E. A. (2003). Japanese quail (*Coturnix japonica*) inseminations are more likely to fertilize eggs in a context predicting mating opportunities. *Proceedings of the Royal Society London B* 270, 1685-1689.
- McGraw, K. J., Gregory, A. J., Parker, R. S. and Adkins-Regan, E. (2003). Diet, plasma carotenoids, and sexual coloration in the zebra finch (*Taeniopygia guttata*). *Auk* 120, 400-410.
- Pilz, K. M., Quiroga, M., Schwabl, H. and Adkins-Regan, E. (2004). European starling chicks benefit from high yolk testosterone levels during a drought year. *Hormones and Behavior* 46, 179-192.
- Ruscio, M. G. and Adkins-Regan, E. (2004). Immediate early gene expression associated with induction of brooding behavior in Japanese quail. *Hormones and Behavior* 46, 19-29.

- Lauay, C., Gerlach, N. M., Adkins-Regan, E. and DeVoogd, T. J. (2004). Female zebra finches require early song exposure to prefer high quality song as adults. *Animal Behaviour* 68, 1249-1255.
- Correa, S. M., Adkins-Regan, E. and Johnson, P. A. (2005). High progesterone during avian meiosis biases sex ratios toward females. *Biology Letters* 1, 215-218.
- Adkins-Regan, E. (2005). Tactile contact is required for early estrogen treatment to alter the sexual partner preference of female zebra finches. *Hormones and Behavior* 48, 180-186.
- Pilz, K. M., Adkins-Regan, E. and Schwabl, H. (2005). No sex difference in yolk steroid concentrations of avian eggs at laying. *Biology Letters* 1, 318-321.
- Tomaszycki, M. L. and Adkins-Regan, E. (2005). Experimental alteration of male song quality and output affects female mate choice and pair bond formation in zebra finches. *Animal Behaviour* 70, 785-794.
- Adkins-Regan, E. (2005). Female mate choice. In Dawson, A. and Sharp, P. (Eds.), *Functional Avian Endocrinology*, pp. 341-350. Narosa Press.
- Adkins-Regan, E. (2005). Activity dependent brain plasticity: does singing increase the volume of a song system nucleus? Theoretical comment on Sartor and Ball (2004). *Behavioral Neuroscience* 119, 346-348.
- McGraw, K. J., Adkins-Regan, E. and Parker, R. S. (2005). Maternally derived carotenoid pigments affect offspring survival, sex ratio, and sexual attractiveness in a colorful songbird. *Naturwissenschaften* 92, 375-380.
- Adkins-Regan, E. and Leung, C. H. (2005). Hormonal and social modulation of cloacal muscle activity in female Japanese quail. *Physiology and Behavior* 87, 82-87.
- Adkins-Regan, E. (2006). Hormones, sexual dimorphism, and mate choice. *Acta Zoologica Sinica* 52(Suppl.), 242-244.
- Adkins-Regan, E. (2006). Brain evolution: part I. *Behavioral and Brain Sciences* 29, 12-13. (Open peer commentary on Striedter, G., *Principles of Brain Evolution*.)
- Tomaszycki, M. L. and Adkins-Regan, E. (2006) Is male song quality important in maintaining pair bonds? *Behaviour* 143, 549-567.
- Tomaszycki, M. L., Banerjee, S. B., and Adkins-Regan, E. (2006). The role of sex steroids in courtship, pairing and pairing behaviors in the socially monogamous zebra finch. *Hormones and Behavior* 50, 141-147.

- McGraw, K. J., Correa, S. M. and Adkins-Regan, E. (2006). Testosterone upregulates lipoprotein status to control sexual attractiveness in a colorful songbird. *Behavioral Ecology and Sociobiology* 60, 117-122.
- Adkins-Regan, E. and Leung, C. H. (2006). Sex steroids modulate changes in social and sexual preference during juvenile development in zebra finches. *Hormones and Behavior* 50, 772-778.
- Burke, M. R., Adkins-Regan, E. and Wade, J. S. (2007). Laterality in syrinx muscle morphology of the Japanese quail (*Coturnix japonica*). *Physiology and Behavior* 90, 682-686.
- Sandell, M. I., Adkins-Regan, E. and Ketterson, E. D. (2007). Pre-breeding diet affects the allocation of yolk hormones in zebra finches *Taeniopygia guttata*. *Journal of Avian Biology* 38, 284-290.
- Adkins-Regan, E. and Tomaszycski, M. (2007). Monogamy on the fast track. *Biology Letters* 3, 617-619.
- Adkins-Regan, E. (2007). Hormones and the development of sex differences in behavior. *Journal of Ornithology* 148 (suppl 1), S17-S26.
- Adkins-Regan, E. (2008). Do hormonal control systems produce evolutionary inertia? *Philosophical Transactions of the Royal Society B* 363, 1599-1609.
- Adkins-Regan, E. (2008). Brains in fast forward: Comment on "Rapid action on neuroplasticity precedes behavioral activation by testosterone" by Charlier, Ball and Balthazart. *Hormones and Behavior* 54, 483-484.
- Adkins-Regan, E. (2009). Neuroendocrinology of social behavior. *Institute for Laboratory Animal Research Journal* (National Research Council) 50, 5-14.
- Adkins-Regan, E. (2009). Hormones and sexual differentiation of avian social behavior. *Developmental Neuroscience* 31, 342-350.
- Rutkowska, J. and Adkins-Regan, E. (2009). Learning enhances female control over reproductive investment in the Japanese quail. *Proceedings of the Royal Society B* 276, 3327-3334.
- Balthazart, J., Arnold, A. and Adkins-Regan, E. (2009). Sexual differentiation of brain and behavior in birds. In Pfaff, D. et al. (Eds.), *Hormones, Brain and Behavior*, second edition. Academic Press (Elsevier).
- Gee, J. M., Tomaszycski, M. and Adkins-Regan, E. (2009). Sex-dependent species discrimination in auditory forebrain of naturally hybridizing birds. *Brain Behavior and Evolution* 74, 258-267.

- Adkins-Regan, E. (2010). Hormones and the development of communication-related social behavior in birds. In Blumberg, M. et al. (eds.), *Oxford Handbook of Developmental Behavioral Neuroscience*, pp. 639-666. Oxford University Press.
- Adkins-Regan, E., DeVogd, T. J. and Moore, J. M. (2010). Social behavior and bird song from a neural and endocrine perspective. In Szekely, T., Moore, A and Komdeur, J. (eds.), *Social Behaviour: Genes, Ecology and Evolution*, pp. 59-84. Cambridge UK: Cambridge University Press.
- Adkins-Regan, E. and Carter, C. S. (2010) Neurobiology, endocrinology and behavior, In Breed, M. D. and Moore, J. (eds.), *Encyclopedia of Animal Behavior*. Academic Press (Elsevier), Oxford.
- Adkins-Regan, E. (2011). Neuroendocrine contributions to sexual partner preference in birds. *Frontiers in Neuroendocrinology* 32, 155-163.
- Correa, S. M., Horan, C. M., Johnson, P. A. and Adkins-Regan, E. (2011). Copulatory behaviors and body condition predict post-mating female hormone concentrations, fertilization success and primary sex ratios in Japanese quail. *Hormones and Behavior* 59, 556-564.
- Banerjee, S. B. and Adkins-Regan, E. (2011). Effect of isolation and conspecific presence in a novel environment on corticosterone concentrations in a social avian species, the zebra finch (*Taeniopygia guttata*), *Hormones and Behavior* 60, 233-238.
- Rutkowska, J., Place, N. J., Vincent, S. and Adkins-Regan, E. Adrenocortical response to mating, social interaction and restraint in the female Japanese quail. *Physiology and Behavior* 104, 1037-1040.
- Banerjee, S. B., Arterbery, A., Fergus, D. J. and Adkins-Regan, E. (2012). Deprivation of maternal care has long-lasting consequences for the hypothalamic-pituitary-adrenal axis of zebra finches. *Proceedings of the Royal Society B*, 279, 759-766.
- Adkins-Regan, E. (2012). Hormonal organization and activation: evolutionary implications and questions. *General and Comparative Endocrinology* 176, 279-285.
- Adkins-Regan (2013). Aromatase, estrogens and differentiation of sexual behavior and partner preference in birds. In Balthazart, J. and Ball, G. F. (eds.), *Brain Aromatase, Estrogens and Behavior*, pp. 349-368. Oxford University Press.
- Schweitzer, C., Goldstein, M. H., Place, N. J. and Adkins-Regan, E. (2013). Long-lasting and sex-specific consequences of elevated egg yolk testosterone for social behavior in Japanese quail. *Hormones and Behavior* 63, 80-87.
- Adkins-Regan, E., Banerjee, S. B., Correa, S. M., and Schweitzer, C. (2013). Maternal effects in quail and zebra finches: Behavior and hormones. *General and Comparative Endocrinology*, 190, 34-41.

- Finseth, F. R., Iacovelli, S. R., Harrison, R. G. and Adkins-Regan, E. K. (2013). A non-semen copulatory fluid influences the outcome of sperm competition in Japanese quail. *Journal of Evolutionary Biology*, 26, 1875-1889.
- Banerjee, S. B., Dias, B. G., Crews, D. and Adkins-Regan, E. (2013). Newly paired zebra finches have higher dopamine levels and immediate early gene Fos expression in dopaminergic neurons. *European Journal of Neuroscience*, 38, 3731-3739.
- Adkins-Regan, E. (2014). A new hormone negates a default principle. (News & Views commentary on Zmora and Chung “A novel hormone is required for the development of reproductive phenotypes in adult female crabs”). *Endocrinology*, 155, 10–11.
- Schweitzer, C., Schwabl, H., Baran, N. M. and Adkins-Regan, E. (2014). Pair disruption in female zebra finches: consequences for offspring phenotype and sensitivity to a social stressor. *Animal Behaviour* 90, 195-204.
- Adkins-Regan, E. and Reeve, H. K. (2014). Sexual dimorphism in body size and the origin of sex-determination systems. *American Naturalist* 183, 519-536.
- Baran, N. M. and Adkins-Regan, E. (2014). Breeding experience, alternative reproductive strategies and reproductive success in a captive colony of zebra finches (*Taeniopygia guttata*). *Public Library of Science One* 9(2), e89808.
- Banerjee, S. B. and Adkins-Regan, E. (2014). Same-sex partner preference in adult male zebra finch offspring raised in the absence of maternal care. *Animal Behaviour* 92, 167-173.
- Adkins-Regan, E. (2014). Male-male sexual behavior in Japanese quail: Being “on top” reduces mating and fertilization with females. *Behavioural Processes* 108, 71-79.
- Brennan, P. L. R. and Adkins-Regan, E. (2014). Endocrine regulation and sexual differentiation of avian copulatory sexually selected characters. *Neuroscience and Biobehavioral Reviews* 46, 557-566.
- Adkins-Regan, E. (2015). Hit or miss: Fertilization outcomes of natural insemination by Japanese quail. *PloS One* 10 (7), e0131786
- Baran, N. M., Sklar, N. C. and Adkins-Regan, E. (2016). Developmental effects of vasotocin and nonapeptide receptors on early social attachment and affiliative behavior in the zebra finch. *Hormones and Behavior* 78, 20-31.
- Smiley, K. O. and Adkins-Regan, E. (2016). Relationship between prolactin, reproductive experience, and parental care in a biparental songbird, the zebra finch (*Taeniopygia guttata*). *General and Comparative Endocrinology* 232, 17-24.

- Smiley, K. O. and Adkins-Regan, E. (2016). Prolactin is related to individual differences in parental behavior and reproductive success in a biparental passerine, the zebra finch (*Taeniopygia guttata*). *General and Comparative Endocrinology* 234, 88-94.
- Baran, N. M., Tomaszycki, M. L. and Adkins-Regan, E. (2016). Early life manipulations of the nonapeptide system alter pair maintenance behaviors and neural activity in adult male zebra finches. *Frontiers in Behavioral Neuroscience* 10, 58. doi: 10.3389/fnbeh.2016.00058..
- McWilliams, S., Adkins-Regan, E. and Vleck, C. (2016). Bird Physiology. In Lovette, I. J. and Fitzpatrick, J. W. (eds.), *The Cornell Lab of Ornithology Handbook of Bird Biology*, third edition, pp. 215-262. Wiley/Cornell Laboratory of Ornithology.
- Adkins-Regan, E. (2016). Pairing behavior of the monogamous king quail, *Coturnix chinensis*. *PLoS One* 11(6):e0155877. doi: 10.1371/journal.pone.0155877.
- Balthazart, J., Arnold, A. P. and Adkins-Regan, E. (2017). Sexual differentiation of brain and behavior in birds. In D. W. Pfaff and M. Joëls (Eds.-in-Chief), *Hormones, Brain and Behavior* 3rd ed., Vol. 5. Oxford: Academic Press, pp. 185-224.
- Adkins-Regan, E. (2017). Behavioral endocrinology and development. In J. Call (Editor-in-Chief), *APA Handbook of Comparative Psychology: Vol. 1. Basic Concepts, Methods, Neural Substrate, and Behavior*. Washington, DC: American Psychological Association, pp. 381-402.
- Griffith, S. C., Crino, O. L., Andrew, S. C., Fumiaki, Y. N. Adkins-Regan, E., Alonso-Alvarez, C. et al. (2017). Variation in reproductive success across captive populations: methodological differences, potential biases and opportunities. *Ethology* 123, 1-29.
- Adkins-Regan, E. (2017). A bird's eye view. (Commentary). *Archives of Sexual Behavior* 46, 1593–1594.
- Baran, N. M., Peck, S. C., Kim, T. H., Goldstein, M. H. and Adkins-Regan, E. (2017). Early life manipulations of vasopressin-family peptides alter vocal learning. *Proceedings of the Royal Society B* 284: 20171114.
- Smiley, K. O. and Adkins-Regan, E. (2018). Lowering prolactin reduces post-hatch parental care in male and female zebra finches (*Taeniopygia guttata*). *Hormones and Behavior* 98, 103-114.
- Smiley, K. O. and Adkins-Regan, E. (2018). Factors that influence the onset of parental care in zebra finches: Roles for egg stimuli and prolactin. *Behavioural Processes* 153, 47-54.
- Adkins-Regan, E. and Carter, C. S. (2019) Neurobiology, Endocrinology and Behavior. In: Choe, J. C. (Ed.), *Encyclopedia of Animal Behavior*, (2nd ed.). vol. 1, pp. 116–123. Elsevier, Academic Press.

- Adkins-Regan, E. and Smiley, K. O. (2019). Parental Behavior and Hormones in Non-Mammalian Vertebrates. In: Choe, J.C. (Ed.), *Encyclopedia of Animal Behavior*, (2nd ed.). vol. 2, pp. 495–505. Elsevier, Academic Press.
- Hoke, K. L., Adkins-Regan, E., Bass, A. H., McCune, A. R. and Wolfner, M. F. (2019). Co-opting evo-devo concepts for new insights into mechanisms of behavioural diversity. *Journal of Experimental Biology* 222, jeb190058. doi:10.1242/jeb.190058
- Kelly, E. M. and Adkins-Regan, E. (2020). Do nonapeptides regulate parental care depending on experience in zebra finches? *Hormones and Behavior* 117:104603.
- Adkins-Regan, E. (2020). Sexual and pairing partner preference in birds and other animals. *Hormones and Behavior* 118: 104646.
- Smiley, K. O., Dong, L., Ramakrishnan S. and Adkins-Regan, E. (2021). Central prolactin receptor distribution and pSTAT5 activation patterns in breeding and non-breeding zebra finches (*Taeniopygia guttata*). *General and Comparative Endocrinology* 301:113657.