# CURRICULUM VITAE

Elizabeth (birth name Kocher) Adkins-Regan
E-mail: er12@cornell.edu
http://reganlab.cornell.edu/

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## EDUCATIONAL BACKGROUND

| Degree | Institution | Year | Field |
|---|---|---|---|
| Ph.D. | University of Pennsylvania | 1971 | Physiological Psychology |
| B.S. | University of Maryland | 1967 | Psychology |

## PROFESSIONAL EMPLOYMENT/POSITIONS HELD

| | |
|---|---|
| 1988-present | Professor, Department of Psychology and Department of Neurobiology and Behavior, Cornell University |
| 2009-2012 | Senior Associate Dean, College of Arts and Sciences, Cornell University |
| 2007 (fall) | (Acting) Senior Associate Dean, College of Arts and Sciences, Cornell U. |
| 2001-2005 | Chair, Department of Psychology, Cornell University |
| 1991-1996 | Associate Dean, College of Arts and Sciences, Cornell University |
| 1986-1987 | Visiting Scientist, INRA, Nouzilly, France |
| 1981-1988 | Associate Professor, Department of Psychology and Section of Neurobiology and Behavior, Cornell University |
| 1975-1981 | Assistant Professor, Department of Psychology and Section of Neurobiology and Behavior, Cornell University |
| 1974-1975 | Assistant Professor of Psychology, State University of New York at Cortland |
| 1972-1974 | Assistant Professor of Psychology, Bucknell University |
| 1971-1972 | Research Associate, Bucknell University, Department of Psychology |
| 1965-1967 | Research Assistant, University of Maryland |

## ACADEMIC HONORS AND FELLOWSHIPS

Exemplar Award, Center for the Integrative Study of Animal Behavior, Indiana University, 2017
Howard Bern Award, Society for Integrative and Comparative Biology, 2016
Fellow of the American Association for the Advancement of Science, elected 1984
Fellow of the American Psychological Society (renamed Association for Psychological Science), elected 1998
Fellow of the Animal Behavior Society, elected 1991
American Fulbright Research Scholar Award, 1986-1987
National Science Foundation Senior Award, Scientists Exchange Competition, 1986-87
National Science Foundation Graduate Fellow, 1967-1971

Outstanding Educator, Merrill Presidential Scholar program, 1997

**GRANTS**

2015-2016 NSF, IOS-1501336, “"DISSERTATION RESEARCH: Hormonal regulation of avian biparental care,” $19,318.

2012-2017 NSF, IOS-1146891, “Socially monogamous pairing: mechanisms and memory,” $285,941

2013-2014 NSF, IOS-1310908, “DISSERTATION RESEARCH: Developmental mechanisms organizing affiliative behavior and pair bonding,” $20,274

2002-2008 NSF, IBN-0130986, "Mechanisms of long-term monogamous relationships in zebra finches," $513,931

2001-2003 NSF, IBN-0104907, "Dissertation Research: A Functional and Mechanistic Investigation of Yolk Androgens in the European Starling (Sturnus vulgaris)", $10,000 (for dissertation of Kevin Pilz, Graduate Field of Neurobiology and Behavior)

1996-2002 NSF, IBN-9514088, “Developmental Mechanisms of Mate Choice”, $338,820.

1990-1995 Hatch NY(C) - 191406, "Sensitivity to the Odor of Androstenone in Swine", $1,500/year.

1990-1992 NIMH, MH46457-01, "An Animal Model for Specific Anosmia", $17,410.

1988-1992 NSF, BNS-8809441, "Spinal Mechanisms of Avian Reproduction," $149,980.

1986 NSF, INT-8603645, "U.S.-Industrialized countries exchange for scientists and engineers, 1986/1987 competition," $17,177.

1984-1987 NSF, BNS-8412083, "Neuroendocrine mechanisms of avian reproductive behavior," $187,884.

1984-1985 NIH, MH39295-01, "Sex differences in the brain of a precocial bird," $19,160.

1982-1985 NSF, BNS-8204462, "Hormones and behavioral development in an altricial bird," $119,344.

1979-1982 NSF, BNS76-24308 (renewal), "Sex hormones and avian psychosexual differentiation," $99,218.

1978-1981 NSF, SER78-13538, "Undergraduate laboratory in biopsychology," $3,200 plus $3,200 in matching funds from Cornell.

1977-1979 NSF, BNS76-24308, "Sex hormones and avian psychosexual differentiation," $46,008.

1971-1973 NIH, MH21435, "Evolution of the hormonal control of behavior," $5,534.

**PROFESSIONAL SERVICE AND EDITORIAL ACTIVITY**

**2016**

2015-2017 President, Society for Behavioral Neuroendocrinology

2016 External review committee, Neuroscience Institute, Georgia State University

2015-2018 Sewall Wright Award committee, American Society of Naturalists

2004-- Associate Editor, *American Naturalist*

2014-- Scientific Advisory Committee, North American Society for Comparative Endocrinology

2005-- External advisory committee, NIH T32 ("Common Themes in Reproductive Diversity"), Indiana University

**Past**

2015 External review committee, Biology Department, American University

2015 Scientific Program Committee, International Academy of Sex Research

2013-2015 President-Elect, Society for Behavioral Neuroendocrinology

2004-- Editorial Board, *American Naturalist*

2014-- Scientific Advisory Committee, North American Society for Comparative Endocrinology

2005-- External advisory committee, NIH T32 ("Common Themes in Reproductive Diversity"), Indiana University

2013 Participant, Sexual Selection Studies, National Evolutionary Synthesis Center (July)

2007-2013 Advisory Council, Department of Ecology and Evolutionary Biology, Princeton University

2008--2011 Editor-in-Chief, *Hormones and Behavior*

2007--2011 Editor, *Proceedings of the Royal Society* B

2011 Presenter and panelist, workshop "How to Get a Paper Published, Read and Cited," Society for Neuroscience, Washington, DC.

| | |
|---|---|
| 2011 | Discussion leader, Neuroethology Gordon Conference |
| 2011 | Editor of *Hormones and Behavior* selection committee, Society for Behavioral Neuroendocrinology |
| 2008 | NIH, Chair, Special Emphasis Panel |
| 2008-2009 | Section Editor, *Encyclopedia of Behavioral Neuroscience* (Eds. G. F. Koob, M. Le Moal, R. F. Thompson. Oxford: Academic Press). |
| 2007 | External reviewer (Animal Behavior Program), Bucknell University |
| 2006 | Editorial Board Member, *Proceedings of the Royal Society* B |
| 2006 (spring) | NSF, Animal Behavior review committee (Doctoral Dissertation Improvement Grants) |
| 2005 | External evaluator (Dept. of Psychology), University at Buffalo |
| 2005 | NSF, External moderator, Workshop on Rodent Mating Systems |
| 2004-2007 | Steering Committee, NSF Research Coordination Network: Integrating Ecology and Endocrinology in Avian Reproduction (E-BIRD USA) |
| Fall 2003 | Chair, Society for Behavioral Neuroendocrinology Editor Committee (to select editor of *Hormones and Behavior*) |
| October 2002 | NSF, Animal Behavior review committee |
| 1994-2001 | Consulting Editor, *Journal of Comparative Psychology* |
| 1986-present | Editorial Board, *Hormones and Behavior* |
| 2001-2003 | Member, Advisory Board, Society for Behavioral Neuroendocrinology |
| 2000-2003 | Program Committee, Society for Behavioral Neuroendocrinology (Chair, 2000-2001) |
| Oct. 2000 | NIH, Integrative, Functional and Cognitive Neuroscience Panel |
| 1998-2001 | Consulting Editor, *Behavioral Neuroscience* |
| Nov. 1998 | NIMH, Chairperson, Special Emphasis Panel |

1996, 1998, 2000 NSF, Graduate Research Fellowship review panel
.

1992-1995 NIMH, Psychobiology and Behavior/Psychobiology and Behavioral Neuroscience review committee

1994 External examiner (PhD), City University of New York.

1993 External examiner (PhD), University of Göteborg.

1990 External examiner (PhD), Hunter College-City University of New York.

1988 American Psychological Association Early Career Award selection panel.

1983-1986 NIH, Behavioral and Neurosciences Study Section.

1981-1984 Member-at-large, executive committee, Animal Behavior Society.

1978-1981 NSF, Psychobiology Panel.

**PROFESSIONAL MEMBERSHIPS**

American Association for the Advancement of Science
American Ornithological Society
American Society of Naturalists
Association for Psychological Science
Animal Behavior Society
International Academy of Sex Research
Sigma Xi
Society for Behavioral Neuroendocrinology
Society for Integrative and Comparative Biology
Society for Neuroscience

**PUBLICATIONS: 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)].

**PUBLICATIONS: ARTICLES AND BOOK CHAPTERS (in chronological order)**

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**). O, 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., DeVoogd, 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 ($^3$H)-estradiol, ($^3$H)-testosterone and ($^3$H)-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 Behavio*r, 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. (**2006**). 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 Tomaszycki, 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 In D. Pfaff, A. P. Arnold, S. E. Fahrbach, A. M. Etgen, & R. T. Rubin (Eds.), *Hormones, Brain and Behavior* (Vol. 4) (2nd ed.) (pp. 1745-1789). San Diego: Academic Press (Elsevier).

Gee, J. M., Tomaszycki, 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., DeVoogd, 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. (**2011**). 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.

Baran, N. M., Carouso, S. V., Kim, T. H., Goldstein, M. H. and Adkins-Regan, E. Early life manipulations of oxytocin-family peptides alter vocal learning. Under review.

**BOOK REVIEWS**

Adkins, E.K. (1976). Diversity of behaviors, many species, and fine photography (Review of the National Geographic Animal Behavior Film Series). *Teaching of Psychology*, 3, 146-147.

Adkins-Regan, E. (1981). Review of *Love and Love Sickness: The Science of Sex, Gender Difference, and Pair Bonding*, by John Money. *Quarterly Review of Biology*, 56, 103.

Adkins-Regan, E. (1984). Sociobiology for psychologists. Review of M. Daly and M. Wilson, *Sex, Evolution, and Behavior*. *Contemporary Psychology*, 29, 625-627.

Adkins-Regan, E. (1989). Genesis of gender. Review of J. M. Reinisch et al., *Masculinity/ Femininity: Basic Perspectives*. *Contemporary Psychology*, 34, 243-245.

Adkins-Regan, E. (1994). Recipes for behavior. Review of P. M. Conn, Ed., *Paradigms for the Study of Behavior*. *Contemporary Psychology*, 39, 847-848.

Adkins-Regan, E. (1994). Review of J. Schulkin, Ed., *Hormonally Induced Changes in Mind and Brain*. *American Scientist*, 82, 582.

Adkins-Regan, E. (1995). Review of H. Nyborg, *Hormones, Sex, and Society: The Science of Physicology*. *Quarterly Review of Biology*, 70, 538-539.

Adkins-Regan, E. and Gudermuth, D. (1996). A half-century of hormones. Review of R. Nelson, *An Introduction to Behavioral Endocrinology*. *Contemporary Psychology*, 41, 432-433.

Adkins-Regan, E. (1997). Review of A. B. Butler and W. Hodos, *Comparative Vertebrate Neuroanatomy: Evolution and Adaptation*. *Quarterly Review of Biology*, 72, 229.

Adkins-Regan, E. (1998). Review of S. A. Greenfield (Ed.), *The Human Mind Explained: An Owner's Guide to the Mysteries of the Mind*. *Quarterly Review of Biology*, 73, 195-196.

Adkins-Regan, E. (1999). The love that dare not bark its name. Review of B. Bagemihl, *Biological Exuberance: Animal Homosexuality and Natural Diversity*. *BioScience*, 49, 926-927.

Adkins-Regan, E. (2006). Review of A. B. Butler and W. Hodos, *Comparative Vertebrate Neuroanatomy: Evolution and Adaptation* (second edition). *Quarterly Review of Biology* 81, 203.

Adkins-Regan, E. (2009). Under the influence of hormones. Review of P. T. Ellison and P. B. Gray (eds.), *Endocrinology of Social Relationships. Science*, 324, 1145-1146.

Adkins-Regan, E. (2012). Review of T. Birkhead, *Bird Sense: What It's Like to Be a Bird*. *Times Higher Education*, April 5.

Adkins-Regan, E., Baran, N. M., Fernandez-Vargas, M., Kelly, E. M. and Smiley, K. O. (2014). Review of E. Choleris, D. W. Pfaff, and M. Kavaliers (eds.), *Oxytocin, Vasopressin and Related Peptides in the Regulation of Behavior*. *Animal Behaviour* 87, 239-241.

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**CONFERENCES/WORKSHOPS/SYMPOSIA ORGANIZED/CHAIRED**

Co-organizer, "Comparative cognition" (Cognitive Studies Program, Cornell University, August 1993)

Co-organizer, "Hormones and female reproductive strategies" (International Symposium on Avian Endocrinology, Scottsdale, Arizona, June 2004).
Co-organizer, "The Biology of Families: From Ecology to Endocrinology" (Evolving Family Project, Institute for the Social Sciences, Cornell University, October 2005).

**INVITED TALKS AT MEETINGS (in chronological order)**

Hormones and behavior: An evolutionary and genetic perspective. 13th International Congress of Ethology, Washington, D.C., August, 1973.

Genes, hormones and gender. American Association for the Advancement of Science, Washington, D.C., February, 1977.

Sex steroids and the differentiation of avian reproductive behavior. American Society of Zoologists, Toronto, December 1977.

Androgen metabolism and male sex behavior: Differentiation and activation. Eastern Conference on Reproductive Behavior, Tulane University, June 1979.

Hormone specificity, androgen metabolism, and social behavior, American Society of Zoologists, Tampa, December 1979.

Sex steroids and the differentiation and activation of avian reproductive behavior, 4th Conference of the European Society for Comparative Physiology and Biochemistry, Bielefeld, F.R.G., September, 1982.

Sexual differentiation of behavior in birds, Avian Endocrinology Symposium, New Brunswick, June 1984.

Behavioral significance of brain aromatase: A comparative perspective. Conference on Reproductive Behavior, Montreal, June 1986.

Hormones et sexualization du comportement chez les vertébrés. Société Française pour les Etudes du Comportement des Animaux, Toulouse, May 1987.

Is the snark still a boojum? The comparative approach to reproductive behavior. Conference on Reproductive Behavior, Saratoga Springs, June 1989.

Hormonal bases of sexual differentiation in birds. International Conference on Hormones, Brain and Behavior. Liège, Belgium, August, 1989.

Sexual orientation and preference in comparative perspective. Tenth World Congress of Sexology, Amsterdam, June, 1991.

Sexual orientation: a comparative perspective. Human Behavior and Evolution Society, Ann Arbor, June, 1994.

Steroid hormones and sexual orientation in the zebra finch. Workshop on Steroid Hormones and Brain Function, Breckinridge, Colorado, March, 1995.

Hormones and the development of sexual orientation: a comparative perspective. International Behavioral Development Symposium, Minot, North Dakota, May 1995.

A bird's-eye view of sexual orientation. International Academy of Sex Research, Provincetown, Massachusetts, September 1995.

Role of archistriatal nucleus taeniae in the sexual behavior of the male Japanese quail. VI International Symposium on Avian Endocrinology, Lake Louise, Alberta, April 1996.

Organizational actions of sex hormones in birds. Vth International Conference on Hormones, Brain and Behavior, Torino, Italy, August 1996.

Hormonal mechanisms of mate choice. Society for Integrative and Comparative Biology, Albuquerque, December 1996.

Male and female control of fertilization in the Japanese quail. Biology of Spermatozoa, Castleton, England, November 1997.

Development of sexual partner preference in a socially monogamous, pair-bonding animal, the zebra finch. International Behavioral Development Symposium, Minot, North Dakota, May 2000.

Predictors of fertilization in the Japanese Quail: Testing the Hypotheses. Biology of Spermatozoa, Castleton, England, September 2001.

Hormones, sexual dimorphism, and mate choice. 23rd International Ornithological Congress, Beijing, August 2002.

NSF/ESF Workshop: Adaptation and constraints in avian reproduction: integrating ecology and endocrinology. Wageningen, Netherlands, September 2002.

The bird's the word. Winter Animal Behavior Conference, Jackson, Wyoming, January 2003.

Hormones and female mate choice. International Symposium on Avian Endocrinology, Scottsdale, Arizona, June 2004.

Hormonal regulation of preference in the zebra finch. Society for Behavioral Neuroendocrinology, Lisbon, July 2004.

(Keynote) Hormonal control systems: do they produce evolutionary inertia? ESF/NSF/NSERC Workshop on trade-offs and constraints, Wageningen, November 2004.

Hormones and development. NSF/ESF/NSERC Workshop on maternal effects, Seattle, September 2005.

(Plenary address) Hormones and the development of sex differences in behavior. International Ornithological Congress, Hamburg, August 2006.

(Fellows lecture) Hormonal activation and organization of mating and pairing: a tale of two birds. Animal Behavior Society, July 2007.

Neuroendocrinology of pairing in the zebra finch. International Academy of Sex Research, Vancouver, August 2007

Pairing and parenting in a group living bird, the zebra finch. International Congress of Ethology, Halifax, August 2007

Maternal yolk steroid effects on offspring: questions and answers from galliform birds. Society for Integrative and Comparative Biology, San Antonio, January 2008

Neuroendocrinology of socially monogamous pairing: An evolutionary view. Society for Behavioral Neuroendocrinology, Groningen, July 2008

(Plenary address) Hormonal organization and activation: evolutionary implications and questions. North American Society for Comparative Endocrinology, Ann Arbor, July 2011

The family life of a model bird: hormones and development. Twelfth Annual Symposium of the Center for Neuroendocrine Studies, University of Massachusetts, Amherst, October 2011.

(Plenary) Maternal effects in quail and finches: behavior and hormones. Tenth International Symposium on Avian Endocrinology, Gifu, Japan, June 2012.

The neuroendocrinology of socially monogamous pairing by birds. Joint symposium of the Human Behavior and Evolution Society and the Animal Behavior Society, Albuquerque, June 2012.

The endocrinology of socially monogamous pairing: a bird's-eye view. Evolutionary Psychology Preconference, Society for Social and Personality Psychology, New Orleans, January 2013.

Plasticity and development in zebra finches and other birds. North American Society for Comparative Endocrinology, Querétaro, Mexico, May 2013

(Plenary) The future of the study of mechanisms of behavior: integration with ecology and evolution. Animal Behavior Society (50$^{th}$ anniversary symposium), Boulder, July 2013

Endocrinology of avian social behavior. Society for Integrative and Comparative Biology, Austin, January 2014.

Mechanisms of socially monogamous pairing by birds: studies with zebra finches. 9th Topical Meeting of the Ethologische Gesellschaft, Tutzing, Germany, February 2014 (invited to speak and prepared talk but never made it to the meeting due to storm-related flight cancellations)

Avian sex differences: a Tinbergen-inspired approach. 8th International Conference on Hormones, Brain and Behavior, Liège, Belgium, June 2014.

Socially monogamous pairing: A tale of two birds. Indiana University Annual Animal Behavior Conference, March 2015.

Avian sexual diversity. International Academy of Sex Research, Toronto, August 2015.

(Plenary) Comparative endocrinology of social monogamy. Howard Bern Lecture, Society for Integrative and Comparative Biology, January 2016.

Behavioral (neuro)endocrinology. Behavioral Ecology Experimental Methods Workshop, Pennsylvania State University, March 2017.

(Plenary) The family life of birds: an integrative view. 2017 Animal Behavior Conference, Indiana University, April 2017.

**INVITED COLLOQUIA/SEMINARS (in chronological order)**

SUNY Brockport (Psychology), 1974
NIH Animal Center, 1974
SUNY Cortland (Psychology), 1974
Cornell (Psychology), 1975
Cornell (Neurobiology and Behavior), 1975
Cornell (Physiology, Biochemistry and Pharmacology), 1975
Howard University (Psychology), 1975
Cornell (Women's Studies), 1975
Howard University (Psychology and Pharmacology), 1976
Rockefeller University (Field Research Center), 1977
Cornell (Animal Science), 1977
West Virginia University (Biology), 1977
Wheaton College (Psychology), 1977
Mary Washington College (Psychology), 1977
SUNY Binghamton (Biological Sciences), 1978
Cornell (Women's Studies), 1978

Hobart and William Smith Colleges (Biology), 1979
University of Maryland (Poultry Science), 1980
Princeton University (Psychology), 1980
Cornell (Physiology and Poultry Science), 1981
Utica College (Biology), 1981
Hobart and William Smith Colleges (Biology), 1981
SUNY Cortland (Psychology), 1981
Cornell (Poultry Science), 1981
Michigan State University (Zoology), 1982
University of Sussex (Ethology and Neurophysiology), 1983
University of Sussex (Experimental Psychology), 1983
Cornell (Animal Science), 1984
Columbia (Psychology), 1984
Cornell (Psychology), 1984
INRA, Nouzilly (Recherches Avicoles), 1987
Collège de France, 1987
University of Rennes (Ethology), 1987
University of North Dakota (Biology), 1988
Rockefeller University, 1988
Cornell (Neurobiology and Behavior), 1989
University of Pennsylvania (Psychology), 1989
Rutgers University (Psychology, Neurobiology, and Physiology), 1989
John Hopkins University (Psychology), 1990
Cornell (Reproductive Physiology), 1992
Hartwick College, 1992
University of Indiana (Animal Behavior), 1992
SUNY-Binghamton (Biology), 1993
Cornell (Women's Studies), 1994
Cornell (Neurobiology and Behavior), 1995
Michigan State University (Psychology and Behavioral Biology), 1996
Johns Hopkins University (Psychology), 1996
Cornell (Reproductive Physiology), 1998
Cornell (Psychology), 1998
University of Virginia (Neuroscience), 1998
Cornell (Laboratory of Ornithology), 1999
University of Michigan (Biology), 1999
Queen's University (Ontario) (Biology), 2001
Cornell (Animal Behavior and Ethology Club), 2001
Indiana University (CISAB), 2003
University at Buffalo (Psychology), 2005
Cornell University (Institute for the Social Sciences), 2006
Princeton University (Ecology and Evolutionary Biology), 2006
Arizona State University (School of Life Sciences), 2006
University of Washington (Biology), 2007
Wake Forest (Biology), 2007

Bowdoin (Neuroscience), 2007
Indiana (CISAB), 2007
Johns Hopkins (Psychological and Brain Sciences), 2008
University of Oklahoma (Zoology), 2008
Cornell University (Laboratory of Ornithology), 2008
Binghamton University (EvoS seminar series), 2008
University of Kentucky (Biology), 2010
Cornell University (Neurobiology and Behavior), 2011
University of Michigan (Psychology), 2011
Lehigh University (Biology), 2012
Penn State University (Biology), 2013
University of Chicago (Neurobiology), 2015
North Carolina State University (Keck Center), 2015
Cornell University (Reproductive Physiology), 2015
North Dakota State University (Biology), 2016

**RESEARCH INTERESTS**

Behavioral neuroendocrinology
Animal social behavior and social relationships
Animal social neuroscience
Behavioral development
Avian behavior
Integrative and comparative reproductive biology

**POSTDOCTORAL FELLOWS/TRAINEES**

Maria Sandell (2004, Swedish government fellowship)
Michelle Tomaszycki (8/2002-5/2006, funding included an NIMH NRSA)
Jennifer Gee (6/2004-6/2006, NIMH postdoctoral trainee)
Joanna Rutkowska (2007, Polish government fellowship)
Cécile Schweitzer (1/2010-12/2011, Bettancourt Foundation fellowship)

**DOCTORAL STUDENTS (PhD YEAR, GRADUATE FIELD)**

Virginia Hayssen (1985, Neurobiology and Behavior)
James Watson (1989, Neurobiology and Behavior)
Kathleen Dorries (1993, Psychology)
Cynthia Seiwert (1993, Psychology)
Viveka Mansukhani (1995, Psychology)
Richmond Thompson (1996, Psychology)
James Goodson (1998, Psychology)
Michael Ruscio (2001, Psychology)
Kevin Pilz (2003, Neurobiology and Behavior)

Kevin McGraw (2004, Neurobiology and Behavior)
Stephanie Correa (2007, Neurobiology and Behavior)
Sunayana Banerjee (2010, Psychology)
Nicole Baran (2015, Psychology)
Kristina Smiley (sixth year student, Psychology)
McKenna Kelly (sixth year student, Neurobiology and Behavior)

**CURRENT COURSES**

Hormones and Behavior (3000- and 7000-level, cross listed in psychology and biology)