

CURRICULUM VITAE

Full Name: Kathleen Sharon Matt
Address: University of Delaware
 College of Health Sciences
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Education:

B.A.	University of Delaware, Biology (with distinction and honors)	1971-1975
M.S.	University of Delaware, Biology	1975-1977
Ph.D.	University of Washington, Zoology	1977-1982

Professional Experience:

Dean, College of Health Sciences, University of Delaware	July 2009-present
Executive Director, Delaware Health Sciences Alliance	2009-present
Co-Director, University of Delaware – Thomas Jefferson University Health Education Partnership	2009-present
Senior Fellow, School of Population Health, Thomas Jefferson University	March 2010-present
Associate Vice President for Biomedical Affairs and Clinical Partnerships, Arizona State University	2008-July 2009
Associate Vice President for Research Administration, Arizona State University	2007-2008
Institutional Official for compliance for animal and human research studies, Arizona State University	2006-2008
Founding Faculty Member, University of Arizona College of Medicine- Phoenix, in partnership with Arizona State University	2006-2009
Franca G. Orefice Dean's Distinguished Professor of Kinesiology , Arizona State University	2006-2009
Assistant Vice President for Research, Arizona State University	2005-2007
Director, Clinical Partnerships, Arizona State University	2004-2009
Director, Clinical Partnerships, Mayo Clinic Arizona	2004-2009
Consultant, Federal Trade Commission	2004-2006
Associate Director, Biodesign Institute	2001-2004
Director, ASU Center for the Study for Advancement of Stress Science	2001-2002
Full Professor of Exercise Science	2001-2009
Director, Exercise and Sport Research Institute	2000-2005
Director, Interdisciplinary Exercise Science Ph.D. Program	1999-2002
AAAS Congressional Fellowship, Endocrine Society, Staff of Senate Health Committee (Chairman, Senator Jeffords)	1998-1999
Associate Professor of Exercise Science, Arizona State University	1997-2001
Assistant Professor of Exercise Science, Arizona State University	1991-1997
Adjunct Professor in Clinical Psychology, Arizona State University	1993
Affiliated Faculty of Center for Study of Law, Science and Technology,	1989

Arizona State University	
Research Associate, Powdermill Nature Reserve, Field Station of the Carnegie Museum of Natural History	1989
Visiting Assistant Professor of Zoology, Arizona State University	1987-1991
Scientist in Center for Cell Research, Center for Commercial Development of Space, NASA Center, Pennsylvania State University	1987-1989
Assistant Professor of Physiology, Northeastern Ohio Universities College of Medicine	1985-1987
Adjunct Assistant Professor of Biology, Kent State University	1985-1987
Faculty, Hawaii Institute of Marine Biology Summer Study Program: Biology of Sex Change in Reef Fish	Summer 1987
Faculty, Hawaii Institute of Marine Biology Summer Study Program: The Endocrinology of Tropical Marine Vertebrates	Summer 1986
Postdoctoral Fellow, University of Texas Health Science Center at San Antonio and Southern Illinois University	1982-1985

Honors/Distinctions:

Franca G. Oreffice Dean's Distinguished Professor of Kinesiology, ASU	2006-2009
Governor's Commission on the Health Status of Women and Families	2002-2003
Faculty speaker in Freshman Orientation (nominated)	2000
AAAS Congressional Fellow, Endocrine Society	1998-1999
Health Policy Fellow, Senate Health, Education, Labor, and Pensions Committee (office of the committee, Senator James Jeffords)	
Acknowledgement on the Floor of the Senate and the Congressional Record for work on the Patients' Bill of Rights	1999
Arthritis Hero Award, Arizona Chapter of the Arthritis Foundation	1997
Governor's Council for Arthritis and Musculoskeletal Disease, elected member	1996
AAAS Congressional Science and Engineering Fellowship, finalist	1995-1996

Research Support:

United States Special Operations Command Mission, "Biomarkers and Dynamical Function Tests for Optimized Health and Performance", Principal Investigator (\$511,404/2 yrs)	2008-2010
Institute for Mental Health Research, "Building Reliance: A Neurobiologically Based Affective Intervention for PTSD", Co-Investigator (\$25,000)	04/01/07-04/01-08
CreAgri, "Effect of an Anti-oxidant of inflammation and immune responses in Individuals with Rheumatoid and Osteoarthritis", Principal Investigator (\$250,000/year)	2003
NSF, "LSAMP Biodesigned Bridges to the Doctorate", Co-Investigator (\$770,000 /2 yrs)	2003-2005
National Institutes of Health, NCCAM, "Effects of Quigong on CVD Risk Factors", Co-Investigator (\$10,000)	10/15/03 - 04/15/03
NIH, "Micro Lock-In Amplifier for cortisol and catecholamines", Co-Investigator (\$449,626/2 yrs)	2002-2004

Arthritis Foundation, Research Department of National Foundation, "Stress reactivity and disease activity in patients with rheumatoid arthritis: The effects of exercise", Principal Investigator (\$325,000)	1996-2000
Golden Eagle Foundation, Arthritis Research (\$1000)	2000
American College of Sports Medicine (NASA), "The effects of gender on sympathetic response to hypoxic exercise", D. Sandoval and K. Matt (\$2,500)	1999-2000
Battelle Pacific Northwest Laboratories, "Neuroendocrine effects of EMF exposure", Principal Investigator (\$24,750)	1995-1996
NIH, "Interpersonal stress and disease activity in arthritis", Co-Principal Investigator (\$605,260)	1994-1998
Arthritis Foundation, Research Department of National Foundation "Interpersonal stress and arthritis", Co-Principal Investigator (\$228,275)	1993-1996
Good Samaritan Hospital, Phoenix, Arizona, "Measurement of cerebral glucose metabolism during the menstrual cycle", Principal Investigator (\$30,000)	1993-1994
National Research Service Award Predoctoral Fellowship (NIH), "Diet training and athletic amenorrhea", Christine Dueck, Co-principal Investigator (\$20,600)	1995-1996
National Collegiate Athletic Association, "Energy imbalance and amenorrhea", Co-Principal Investigator	1995-1996
National Research Service Award Predoctoral Fellowship (NIH), "Stress and Disease Activity", Les Castro, Co-principal investigator (\$20,000)	1994-1996
Arizona State University Faculty-Grant-in-Aid, "Neuroendocrine mechanisms of stress", Principal Investigator (\$5,500)	1991-1992
Arizona State University International Travel Grant, "Integration of environmental information in siberian dwarf hamsters (Phodopus sungorus)", (\$1,000)	1991-1992
Carnegie Museum of Natural History, "Reproductive endocrinology of the dwarf siberian hamster" (\$400)	1992
National Science Foundation, "Hormonal responses to stress", Principal Investigator is Dr. Peter Meserve, Northern Illinois University. (\$1500)	1992
Arizona Center for Disease Control, "Stress and neuro-immune function", Co-principal Investigator, (\$28,000)	1990-1993
NASA Project with Pennsylvania State University - Center for Secretion Research, "Effects of Light on Cell Secretions and the Immune System", Principal Investigator (\$46,467)	1990
M. Graham Netting Research Fund, Carnegie Museum of Natural History, "Integration of Environmental Information in the Siberian Dwarf Hamster", Principal Investigator (\$3,276)	1990
Institutional Biomedical Research Support Grant: "Endocrine and Neuroendocrine Regulation of Immunity", Principal Investigator (\$8,260)	1988-1989
Institutional Biomedical Research Support Grant: "Environmental Regulation of Reproduction", Principal Investigator (\$7,165)	1987-1988
United Way Research Grant: "The role of parental care in modifying reproductive function in a seasonally breeding rodent", Principal	1986-1988

Investigator (\$3,893)	
Research Challenge Grant Funds from Ohio: "The role of prolactin in regulating the hypothalamic-pituitary-gonadal axis", Principal Investigator (\$12,003)	1986
Biomedical Research Support Grant: "Prolactin modulation of negative feedback during development", Principal Investigator (\$7,880)	1986
NIH National Research Service Award, Postdoctoral Fellowship: "Does prolactin modify testosterone feedback?", Principal Investigator (\$53,242)	1982-1985
NIH Pre-doctoral Trainee, Cellular-molecular Biology, University of Washington, Principal Investigator	1980-1982
Grant-in-Aid for Research, Sigma Xi, University of Washington	1980
Undergraduate research grant, University of Delaware, Principal Investigator	1975

Publications:

- Stetson, M.H., Matt, K.S. and Watson-Whitmyre, M.: Photoperiodism and reproduction in golden hamsters: Circadian organization and the termination of photorefractoriness. *Biol. Reprod.* 14:531-537, 1976.
- Stetson, M.H., Watson-Whitmyre, M. and Matt, K.S.: Circadian organization in the regulation of reproduction: Timing of the 4-day estrous cycle of the hamster. *J. Interdiscipl. Cycle Res.* 8:350-352, 1977.
- Stetson, M.H., Watson-Whitmyre, M. and Matt, K.S.: Termination of photorefractoriness in golden hamsters - photoperiodic requirements. *J. Exp. Zool.* 202:81-88, 1977.
- Stetson, M.H., Watson-Whitmyre, M. and Matt, K.S.: Cyclic gonadotrophin release in the presence and absence of estrogenic feedback in ovariectomized golden hamsters. *Biol. Reprod.* 19:40-50, 1978.
- Matt, K.S. and Stetson, M.H.: Hypothalamic-pituitary-gonadal interactions during spontaneous testicular recrudescence in the golden hamster (*Mesocricetus auratus*). *Biol. Reprod.* 20:739-746, 1979.
- Matt, K.S. and Stetson, M.H.: A comparison of serum hormone titers in golden hamsters during testicular growth induced by pinealectomy and photoperiodic stimulation. *Biol. Reprod.* 23:893-898, 1980.
- Matt, K.S.: Sensitivity of the hypothalamic-pituitary axis to negative feedback in a photoperiodic species. IN: *Functional Correlates of Hormone Receptors in Reproduction*. V. Mahesh, T.G. Muldoon, B.B. Saxena and W.A. Sadler (eds.), Elsevier North-Holland, New York, 1980, pp. 499-501.
- Wingfield, J.C., Follett, B.K., Matt, K.S. and Farner, D.S.: Effect of day length on plasma FSH and LH in castrated and intact white-crowned sparrows. *Gen. Comp. Endocrinol.* 42:464-470, 1981.
- Goldman, B.D., Matt, K.S., Roychoulhury, P. and Stetson, M.H.: Prolactin release in golden hamsters: Photoperiod and gonadal influences. *Biol. Reprod.* 24:287-292, 1981.
- Smith, S., Matt, K.S., Prestowitz, B. and Stetson, M.H.: Regulation of tonic gonadotropin release in prepubertal female hamsters. *Endocrinology* 110:1262-1267, 1982.
- Farner, D.S., Donham, R.S., Matt, K.S., Mattocks, P.W., Moore, M.C. and Wingfield, J.C.: On the nature of photorefractoriness. IN: *Avian Endocrinology: Environmental and Ecological Perspectives*. S. Ishii, S.I. Mikami and M. Wada (eds.), Japanese Scientific Society Press, Springer Verlag, Tokyo - West Berlin, 1983.

- Moore, M.C., Farner, D.S., Donham, R.S. and Matt, K.S.: Endocrine and photoperiodic relationships during photorefractoriness, post-nuptial molt and onset of migration in *Zonotrichia leucophrys gambelii*. IN: "Acta XVIII Congressus Internationalis Ornithologici", (V.D. Ilyichev and V.M. Gavrilov, eds.), pp. 946-952. Academy of the Sciences of the USSR, Moscow.
- Matt, K.S., Soares, M.J., Talamantes, F. and Bartke, A.: Effects of handling and ether anesthesia on serum prolactin levels in the golden hamster. *Proc. Soc. Exp. Biol. Med.* 173:463-466, 1983.
- Wingfield, J.C., Matt, K.S. and Farner, D.S.: Steroid binding proteins in avian plasma. *Gen. Comp. Endocrinol.* 53:281-292, 1984.
- Steger, R.W., Bartke, A., Matt, K.S., Klemcke, H.G., Soares, M.J. and Talamantes, F.: Neuroendocrine changes in male hamsters following photostimulation. *J. Exp. Zool.* 229:467-474, 1984.
- Bartke, A., Matt, K.S., Siler-Khodr, T.M., Soares, M.J., Talamantes, F., Goldman, B.D., Hogan, M.P. and Hebert, A.: Does prolactin modify testosterone feedback in the hamster? Pituitary grafts alter the ability of testosterone to suppress LH and FSH release in castrated male hamsters. *Endocrinology*, 115:1506-1510, 1984.
- Matt, K.S., Bartke, A., Soares, M.J. and Talamantes, F.: Does prolactin modify testosterone feedback in the hamster? Suppression of plasma prolactin inhibits photoperiod-induced decreases in testosterone feedback sensitivity. *Endocrinology*, 115:2098-2103, 1984.
- Steger, R.W., Matt, K.S., Klemcke, H.G. and Bartke, A.: Interactions of photoperiod and ectopic pituitary grafts on hypothalamic and pituitary function in male hamsters. *Neuroendocrinology*, 41:89-96, 1985.
- Steger, R.W., Matt, K.S., Bartke, A.: Neuroendocrine regulation of seasonal reproductive activity in the male golden hamster. *Neuroscience and Biobehavioral Reviews*, 9:191-201, 1985.
- Klemcke, H.G., Matt, K.S., and Bartke, A.: Influence of prolactin on testicular prolactin receptors in prepubertal hamsters. IN: *Prolactin Basic and Clinical Correlates*. R.M. MacLeod, U. Scapagnini, and M.O. Thorner (eds.), Liviana Press, Springer Verlag, New York, 1985.
- Bartke, A., Matt, K.S., Amador, A.G., Klemcke, H.G., Brown, D., Gonzalez, D. and Hogan, M.P.: Effects of inhibitory and stimulatory photoperiods and sexual maturation on the ability of hamster testes to respond to hCG in vitro. *International Journal of Andrology*, 8:232-242, 1985.
- Stallings, M.H., Matt, K.S., Amador, A., Bartke, A., Siler-Khodr, T.M., Soares, M.J., and Talamantes, F.: Regulation of testicular LH/hCG receptors in golden hamsters (*Mesocricetus auratus*) during development. *Journal of Reproduction and Fertility*, 75:663-670, 1985.
- Bartke, A., Klemcke, H. and Matt, K.S.: Effects of physiological and abnormally elevated prolactin levels on the pituitary-testicular axis. *Medical Biology* 63: 264-272, 1985.
- Steger, R.W., Matt, K.S., and Bartke, A.: Interactions of testosterone and short-photoperiod exposure on the neuroendocrine axis of the male syrian hamster. *Neuroendocrinology*, 43: 69-74, 1986.
- Bartke, A., Matt, K., Steger, R.W., Clayton, R.N., Chandrashekar, V., Smith, M.S.: Role of prolactin in the regulation of sensitivity of the hypothalamic-pituitary system to steroid feedback. IN: *Regulation of Ovarian and Testicular Function*. V.B. Mahesh and D.S. Dhindsa, (Eds.), Plenum Publishing Corporation, 1987.
- Johnson, L., Matt, K., Bartke, A., Nguyen, H.B., Le, H.T.: Effect of photoperiod on the size of the leydig cells in adult syrian hamsters. *Biology of Reproduction*, 37: 727-738, 1987.
- Nequin, L.G., King, S.S., Matt, K.S., Meyers, R.C.: The influence of photoperiod on GnRH stimulated LH release in the anestrous mare. *Equine Veterinary Journal*, 22:356-358, 1989.
- Matt, K.S.: Neuroendocrine and endocrine correlates of pair bonds and parental care in the seasonal reproductive cycle of the Siberian Hamster *Phodopus sungorus*. IN: *Proceedings of the XI International Symposium on Comparative Endocrinology*. A. Epplé, (Ed.), Alan R. Liss, New York, pp. 648-652, 1990.
- Doherty, P.C., Wu, D.E., and Matt, K.S.: Effects of hyperprolactinemia on sexual arousal, serum LH, and

- erectile function in adrenalectomized male rats. *Life Sciences*, 47:141-148, 1990.
- Matt, K.S. Neural mechanisms of environmental integration. In: "Neural Aspects of Reproductive Endocrinology: Old Questions, New Approaches", (Edited by K.S. Matt and G.C. Ball), *American Zoologists*, 33:266-274, 1993.
- Matt, K.S. Ethical issues in animal research. In: "Ethics in the Study of Physical Activity", (Edited by J. Thomas and D. Gill), *Quest, The Academy Papers*. 45:45-51, 1993.
- Zautra, Alex J. and Burleson, Mary H., Matt, Kathy S., Roth, Sanford, Burrows, Lisa D. Interpersonal Stress, Depression, Hormones, and Disease Activity in Rheumatoid Arthritis and Osteoarthritis Patients. *Health Psychology* 13:(2) 139-148, 1994.
- Matt, K.S., Bozinovic, F. and Merritt, J. Energetic costs of biparental care behavior in the Siberian dwarf hamster *Phodopus sungorus*. *Revista Chilena de Historia Natural* 67: 309-314, 1994.
- Dueck, C.A., Matt, K.S., Manore, M.M., Skinner, J.S. Treatment of Athletic Amenorrhea with a Diet and Training Intervention Program. *International Journal of Sports Nutrition* 6:(1) 24-40, 1996.
- Jones, P.P., Spraul, M. Matt, K.S., Seals, D.R., Skinner, J.S., and Ravussin, E. Gender does not influence sympathetic neural reactivity to stress in healthy humans. *Am. J. of Physiol.: Heart and Circulatory Physiology* 270:H350-H357, 1996.
- Crowley, M.A., and Matt, K.S. Hormonal regulation of skeletal muscle hypertrophy in a rat hindlimb ablation model. *European Journal of Applied Physiology and Occupational Physiology*. 73:66-72, 1996.
- Crowley, M.A., Willis, W.T., Matt, K.S., and Donovan, C.M. A reduced lactate mass explains much of the glycogen sparing associated with training. *Journal of Applied Physiology*. 81(1):362-367, 1996.
- Dueck, C.A., Manore, M.M. and Matt, K.S. Role of energy balance in athletic menstrual dysfunction. *International Journal of Sports Nutrition*. 6:165-190, 1996.
- Reiman, E.M., Armstrong, S.M., Matt, K.S., and Mattox, J.H. The application of positron emission tomography to the study of the normal menstrual cycle. *Human Reproduction* 11(12):2799-2805, 1996.
- Wilson, B.W. and Matt, K.S. Effects of EMF Exposure on the Neuroendocrine System. Book chapter in "Melatonin Hypothesis: Breast Cancer and use of Electric Power." (R.G.Stevens, B.W. Wilson, L.E. Anderson, eds.) 1997.
- Castro, W.L., and Matt, K.S. Neuroendocrine correlates of separation stress in the siberian dwarf hamster (*Phodopus sungorus*). *Physiology and Behavior* 61 (4): 477- 484, 1997.
- Matt, K.S., Michael C. Moore, Rosemary Knapp and Ignacio T. Moore. Sympathetic mediation of stress and aggression: plasma catecholamines in free-living male tree lizards. *Physiology and Behavior* 61 (5): 639-647, 1997.
- Zautra, A.J., Hoffman, J., Potter, P., Matt, K.S., Yokum, D., and Castro, L. "Examination of changes in interpersonal stress as a factor in disease exacerbations among women with rheumatoid arthritis" *Annals of Behavioral Medicine*. 19(3):279-286. 1997.
- Castro, W.L., and Matt, K. S. "The importance of social condition in the hormonal and behavioral responses to an acute social stressor in the male siberian dwarf hamster (*Phodopus sungorus*). *Hormones and Behavior* 32: 209-216, 1997.
- Tataranni, P. A., Monroe, M.B., Dueck, D.A., Traub, S.A., Nicolson, M., Manore, M., Matt, K.S., and Ravussin, E. "Adiposity, plasma leptin concentration, and reproductive function in active and sedentary females". *International Journal of Obesity*. 21:818-821, 1997.
- Wilson, B.W., Matt, K.S., Morris, J.E., Sasser, L.B., Miller, D.L., and Anderson, L.E. Effects of magnetic field exposure on the hypothalamic-pituitary-axis in the siberian hamster (*Phodopus sungorus*). *Bioelectromagnetics Journal* 20:224-234, 1999.
- Kopp-Woodroffe, S.A., Manore, M.M., Dueck, C.A., Skinner, J.S., and Matt, K.S. Energy and

- nutrient status of amenorrheic athletes participating in a diet and exercise training intervention program. *International Journal of Sports Nutrition* 9: 70-88, 1999.
- Woodley, S.A., Matt, K.S., and Moore, M.C. Neuroendocrine responses in free-living female and male lizards after aggressive interactions. *Physiology and Behavior*. 71: 373-381, 2000.
- Woodley, S.A., Matt, K.S., and Moore, M.C. Aggression in female mountain spiny lizards: Estradiol modulation of central monoamine activity". *Brain, Behavior, and Evolution* 2000; 56:175 – 183.
- Sandoval, D.A, and Matt, K.S. Gender Differences In The Endocrine And Metabolic Responses to Hypoxic Exercise, *JAP* 92: 504-512, 2002.
- Sandoval, D.A., Matt, K.S. Hormonal and Metabolic Responses to Hypoxic Exercise with Fluctuations of Estradiol and Progesterone, *High Altitude Medicine and Biology*, 4(1)61– 2, 2002.
- Traustadottir, T., Bosch, P. and Matt, K. S. Gender Differences in Cardiovascular and Hypothalamic-Pituitary-Adrenal Axis Responses to Psychological stress in Healthy Older Adults, *Stress*, 6: 133- 140, 2003.
- Traustadottir, T., Bosch, P., Cantu, T. and Matt, K.S. HPA Axis Response and Recovery from High Intensity Exercise in Women: Effects of Aging and Fitness. *JCEM*, 89:3248–3254, 2004.
- Traustadottir, T., Bosch, P. and Matt, K. S. The HPA Axis Response to Psychological Stress in Women: Effects of Aging and Fitness, *Psychoneuroendocrinology*, 30:392-402, 2005.
- Arent, S., Landers, D., Matt, K.S., and Etnier, J. Dose-Response and Mechanistic Issues in the Resistance Training and Affect Relationship. *Journal of Sport and Exercise Psychology*, 27: 92-110, 2005.
- French, S., Matt, K. and Moore, M. The effects of stress on wound healing in male tree lizards (*Urosaurus ornatus*) . *General and Comparative Endocrinology*. Volume 145, Issue 2, 15 January 2006, Pages 128-132.
- K. Matt, M. Irving, G. Hook, I. Yusen, F. Eagar, K. Kirschner, R. Crea and M. Bitler, Olive Vegetation Water Supplement Decreases Disease Activity in Patients with Osteoarthritis and Rheumatoid Arthritis. *Nutrition Research*. Volume 27, Issue 8, August 2007, Pages 470-477.

Published Abstracts:

- Stetson, M.H., Watson-Whitmyre, M. and Matt, K.S.: Role of the circadian pacemaker in estrous cyclicity in hamsters: Cyclic gonadotrophin release in the presence and absence of ovarian negative feedback. *The Physiologist* 19:380, 1976.
- Matt, K.S. and Farner, D.S.: The development of photorefractoriness: An endocrine phenomenon? *Am. Zool.* 19:968, 1979.
- Matt, K.S. and Farner, D.S.: Changes in sensitivity of the hypothalamic-pituitary axis to negative feedback following photostimulation. *Am. Zool.* 20:791, 1980.
- Matt, K.S., Bartke, A., Hebert, A. and Hogan, M.P.: Role of prolactin in the regulation of testosterone (T) feedback and androgen receptors in the golden hamster. *Biol. Reprod.* 30:Suppl 1:54, 1984.
- Matt, K.S. and Bartke, A.: Prolactin: The hormone for all seasons. *Am. Zool.* 24:118A, 1984.
- Steger, R.W., Matt, K.S., and Bartke, A.: Regulation by photoperiod and prolactin of hypothalamic dopamine metabolism and pituitary dopamine release in male hamsters. *Biol. Reprod.* 30: Suppl 1:158, 1984.
- Matt, K.S., Steger, R., and Bartke, A.: How does prolactin modify testosterone feedback - a hypothalamic site of action? *Am. Zool.* 25: 35A, 1985.
- Matt, K.S. and Bartke, A.: Effects of prolactin and photoperiod on prepubertal development in the siberian hamsters. *Biol. Reprod.* 32: Suppl. 1:173. 1985.
- Steger, R.W. and Matt, K.S.: Prolactin modifies the response of the hamster neuroendocrine system to testosterone negative feedback. *Biol. Reprod.* 33: Suppl. 1:183, 1986.

- Nequin, L., King, S., Matt, K., and Meyers, R.P.: Photoperiodic control of the mares response to GnRH. Biol. Reprod. 34 (Suppl.) 1:161, 1987.
- Matt, K.S. and Hodnichak, C.: Can supplemental environmental information modify the photoperiodic response? Am. Zool. 27, 1987.
- Schoech, S.J., and Matt, K.S.: Plasma testosterone levels in male hamsters housed with females vary in response to female reproductive cycle. Am. Zool. 29:98A, 1989.
- Foster, C.F., Crever, G.M. and Matt, K.S. Role of prolactin in parental care in male Siberian dwarf hamsters. Am. Zool. 30:25, 1990.
- Matt, K.S., Burleson, M.H., Castro, L., and Zautra, A.J. Effects of stress on the neuroendocrine axis in rheumatoid arthritis and osteoarthritis patients. American Journal of Rheumatology. 1991.
- Bozinovic, F. and Matt, K.S. Costo energetico de la conducta de cuidado biparental en el hamster siberiano Phodopus sungorus. Seccion de Ecologia Sociedad de Biologia de Chile, 1era Reunion Anual. Julio, 1992.
- Matt, K.S. Moore, M.C., and R. Knapp. Sympathetic mediation of stress and aggression: Plasma catecholamines in free-living lizards. American Zoologist 32: 25a, 1992.
- Castro, L. and Matt, K.S. Hormonal regulation of immunity in the siberian dwarf hamster. American Zoologist 32:29a, 1992.
- Crowley, M.A. and Matt, K.S. Hormonal regulation of skeletal muscle hypertrophy in a rat hindlimb ablation model. The Physiologists. 35:188, 1992.
- Matt, K.S., M.C. Moore, I.T. Moore and R. Knapp. 1992. Sympathetic mediation of stress and aggression: Plasma catecholamines in free-living lizards. American Zoologist 32:25A.
- Castro, W.L.R. and K.S. Matt. 1994. Biobehavioral and neuroendocrine consequences of separation stress. American Zoologist 34:119A.
- Traub, SD, Dueck, CA, Manore, MM, Skinner, JS, and Matt, KS. "Hormonal profiles of trained females with various stages of menstrual dysfunction". Med Sci Sport Ex. 1997.
- Dueck, CA, Matt, KS, Skinner, Manore, MM. "Effect of improved energy status on menstrual function and bone density in amenorrheic athletes". Med Sci Sport Ex. 1997.
- Matt, K.S., Fairchild, L.A., Nordensson, K., Castro, W.L., and Yokum, D. Neuroendocrine measures of stress reactivity in patients with rheumatoid arthritis: The effect of exercise. Clin. Exp. Rheum., 1998.
- Traustadottir, T., Sandoval, D.A., Williams, K. and Matt, K.S. Does disease limit the benefits of physical conditioning in individuals with rheumatoid arthritis? Med Sci Sport Ex. 30:S84, 1998.
- Fairchild, L.A. Sharp, S.C., Sandoval, D.A., Traustadottir, T., Misra, L. and Matt, K.S. The effect of an exercise program on stress reactivity in older women with arthritis. Med Sci Sport Ex. 30:S83, 1998.
- Sandoval, DA, Traub, SA, Dueck, CA, Manore, MM, Tataranni, PA, Ravussin, E, Matt, KS. Interaction of leptin and reproductive status in active females, Med Sci Sport Ex. 30 (5): S260, 1998.
- Figuerro, A., Going, S.B., Lohman, T.G. Matt, K.S. Resistance training and hormone replacement therapy on growth hormone and cortisol. Med. Sci. Sport Ex. 1998.
- Woodley, S.K, Moore, M.C. and Matt, K.S. Brain monoamines in free-living aggressive lizards. Amer. Zool. 38: 61A.
- Sandoval, DA, and Matt, KS. Gender alters metabolic and neuroendocrine response to hypoxic exercise. Med Sci Sport Ex 32 (5): S251, 2000.
- Traustadottir, T., Bosch, P. and Matt, K.S. Neuroendocrine stress responses: Effect of Gender, Hormones and Behavior, 39: 352. (2001)
- (additional abstracts presented at Endocrine Society Meetings – 2002, 2003)
- Walker, BG, Matt, KS. Baseline and Stress induced corticosterone levels in female and male Siberian hamsters depends on pairing type and parental status. Society for Integrative and Comparative

- Biology. (2006)
- Kent, M, Matt, KS, Seidel, A, Carpenter, J, Highberger, L, Davis, M. Dissociation and the experience of trauma as subject and object . International Society for Trauma and Dissociation. Philadelphia, Pennsylvania (2007)
- Kirschner, K, Hook, G, Matt, KS. Neuroendocrine biomarkers of stress and performance. 6th World Congress on Stress. (2007)
- Rosen, A, Schroeder, S, Burnis, J, Hook, G, Kirschner, K, Matt, KS. Effects of an Acupuncture Intervention on Physiological and Psychological Measures of Stress in Health Students. 6th World Congress on Stress. (2007)
- Leo, N, Kirschner, K, Hook, G, Matt, KS. Correlation of Salivary Cortisol and Heart rate Variability in Healthy Subjects during Psychological Stress and Biofeedback. 6th World Congress on Stress (2007)
- Kent, M, Stewart, L, Davis, M, Malone, J, Highberger, L, Hook, G, Kirschner, K, Matt, KS. Turning Trauma into resilience: a model and intervention based on action structure, mirror neurons (submitted International Society for the Study of Traumatic Stress)

Presentations at Scientific Meetings and Symposia:

National and Regional Meetings:

- Tenth Annual Meeting of the Society for the Study of Reproduction, Austin, Texas, 1977
- Western Regional Conference on Comparative Endocrinology, Santa Cruz, California, 1978
- Western Regional Conference on Comparative Endocrinology, Eugene, Oregon, 1979
- Western Regional Conference on Comparative Endocrinology, Moscow, Idaho, 1980
- National Institutes of Health Workshop, "Functional Correlates of Hormone Receptors." Augusta, Georgia, 1980
- Annual meeting of the American Society of Zoologists, Seattle, Washington, 1980
- Western Regional Conference on Comparative Endocrinology, Corvallis, Oregon, 1981
- Fourteen Annual Meeting of Society for Study of Reproduction, Corvallis, Oregon, 1981
- Western Regional Conference on Endocrinology, Berkeley, California, 1983
- Sixty-fifth Annual Meeting of the Endocrine Society, San Antonio, Texas, 1983
- Western Regional Conference on Comparative Endocrinology, Burnaby, British Columbia, 1984
- Annual Meeting of the Society for the Study of Reproduction, Laramie, Wyoming, 1984
- Annual Meeting of the American Society of Zoologists, Denver, Colorado, 1984
- Annual Meeting of the Society for the Study of Reproduction, Montreal, Canada, 1985
- Annual Meeting of the American Society of Zoologists, Baltimore, Maryland, 1985
- National Institutes of Health Workshop on Ovarian and Testicular Function, Augusta, Georgia, 1987
- Annual Meeting of the American Society of Zoologists, New Orleans, Louisiana, 1987
- Annual Meeting of the Society for Neuroscience. Phoenix, Arizona, 1989
- American Society of Zoologists Meeting. Boston, Massachusetts, 1989
- American Society of Zoologists Meeting. San Antonio, Texas, 1991
- Rheumatic Therapeutics: Revisited. Symposium presentation. Scottsdale, Arizona, 1991
- American Society of Mammalogy Meeting. Lawrence, Kansas, 1991
- American College of Rheumatology. Sacramento, California, 1992
- American Physiological Society, Colorado Springs, Colorado, 1992
- American College of Sports Medicine, Seattle, Washington, 1993
- Annual Review of Research on Biological Effects of Electric and Magnetic Fields from the Generation, Delivery and Use of Electricity, Atlanta, Georgia, 1993

American College of Sports Medicine, Indianapolis, Indiana, 1994
 American College of Rheumatology, Minneapolis, Minnesota, 1994
 American College of Obstetricians and Gynecologists, Phoenix, Arizona, 1994
 Annual Review of Research on Biological Effects of Electric and Magnetic Fields from the Generation,
 Delivery and Use of Electricity, New Mexico, 1994
 American Society of Zoologists Meeting, St. Louis, Missouri, 1995
 Melatonin Summit, Oregon, 1995
 American College of Sports Medicine, Minneapolis, Minnesota, 1995
 Arthritis Foundation, Chicago, Illinois, 1995
 Endocrine Society, Washington, DC, 1995
 Conference on Women's Health, Tempe, Arizona, 1995
 Society of Behavioral Medicine, San Diego, California 1995
 American College of Rheumatology, San Francisco, California, 1995
 American College of Sports Medicine, Denver, Colorado, 1997
 .Anti-Rheumatic Drug Guidelines and Rheumatic Therapies, Scottsdale, Arizona, 1997
 Harrington Arthritis Center, Phoenix, Arizona 1997
 Arthritis Foundation Dinner, Scottsdale, Arizona 1997
 American College of Sports Medicine, Orlando, Florida, 1998
 Neuroendocrine Workshop on Stress, New Orleans, Louisiana 1998
 Rheumatology Meetings, San Diego, California, 1998
 Annual Meeting of the Society for Integrative and Comparative Biology, Denver, Colorado, 1999
 Arthritis Foundation Research Conference, Alexandria, Virginia, 1999
 Conference on Protection of Human Subjects in Research, Tempe, Arizona, 1999
 Sun Health Research Institute, Phoenix, Arizona, 1999
 Annual Meeting of the Endocrine Society, 2000
 Annual Meeting of the Endocrine Society, 2001
 NASA/ NIH Conference, St. Louis, Missouri, 2002
 Annual Meeting of the Endocrine Society, 2002
 Annual Meeting of the Endocrine Society, 2003
 Special Operations Medical Association Meeting, Tampa, Florida, 2005
 5th Annual Nutrition and Health Conference, "Stress, Nutrition and Health", Phoenix, Arizona, April 2008
 2010 Integrative Mental Health Conference, "Non-pharmacological approaches - Nutrition and mental
 health: A review of the science," Phoenix, Arizona, 2010

International Symposia:

Third International Symposium on Avian Endocrinology, Rutgers, New Jersey, 1984
 International Congress on Prolactin, Charlottesville, Virginia, 1984
 Symposium of Asian Pacific Mammalogy, Beijing, Peoples Republic of China, 1988
 XIth International Symposium on Comparative Endocrinology, Malaga, Spain, 1989
 International Meeting of Bioelectromagnetic Society, Copenhagen, Denmark, 1994
 International Congress on Stress, Bethesda, Maryland, 1994
 Neuroendocrine Workshop on Stress, New Orleans, 1998
 First International Conference on the Neuroendocrine Immune Basis of Rheumatic Disease, Genova, Italy
 1998
 International Stress Congress, Scotland, 2002
 Norwegian Institute of Sports Science, Oslo, Norway, 2006
 6th World Congress on Stress, Vienna, Austria, 2007

Invited Departmental Seminars:

Department of Biology, SUNY-Binghamton, 1986
Summer Research Program in Comparative Endocrinology, University of Hawaii, 1986
Institute of Reproductive Biology, Department of Zoology, University of Texas, Austin, 1987
Department of Biology, Ohio State University, 1987
Hawaii Institute of Marine Biology, University of Hawaii, 1987
Lectures in Endocrinology, Department of Physiology, Northeastern Ohio Universities College of Medicine, 1988
Guest Speaker for Tri-Beta Regional Meeting, Arizona, 1988
Center for Law, Science and Technology, College of Law, Arizona State University, 1989
Department of Molecular and Cell Biology, Pennsylvania State University, 1989
Department of Anatomy, Northeastern Ohio Universities College of Medicine, 1989
Max Planck Institute for Verhaltensphysiologie, Erling, Federal Republic of Germany, 1989
United States Air Force Academy, Colorado, 1990
Institute for Animal Morphology and Ecology, USSR Academy of Sciences, Moscow 1991
Powdermill Biological Station, Carnegie Museum of Natural History, Rector, Pennsylvania 1991, 1992
Pittsburgh Zoo, Pittsburgh, Pennsylvania, 1992
Department of Zoology, Northern Arizona University, Flagstaff, Arizona, 1992
Departamento de Biología, Universidad de La Serena, Serena, Chile, 1992
Battelle, Pacific Northwest Laboratories, 1993
Flinn Foundation, Research Meeting, 1994
Department of Exercise Science, University of Arizona, Tucson, Arizona, Fall 1994
Department of Biology, Arizona State University, Tempe, Arizona, 1999
President's Community Enrichment Program, Adventures in Learning, "The Physiology of Stress: Key to Quality Performance and Health", April 2004 (6 week class)
W.P. Carey School of Business Shanghai Program, "Arizona State University: A Platform for Interdisciplinary and Translational Research and Education", Tempe, Arizona, October 2005
President's Community Enrichment Program, "Partnerships between Arizona State University and Barrow Neurological Institute", Tempe, Arizona, November 2005
Exercise & Sport Research Institute Review, Arizona State University, November 2005
College of Agriculture and Life Sciences Staff In-Service, "Maximizing Performance, Capitalizing on Stress: Lessons Learned from Physiology", University of Arizona, Tucson, Arizona, November 2005
President's Community Enrichment Program, Women and Philanthropy Group, Scottsdale, Arizona, March 2006
4th Annual Southwest Interdisciplinary Research Conference, "Biomedical Research: Strategies for Integration with Behavioral Research", Tempe, Arizona, April 2006
President's Community Enrichment Program, Women and Philanthropy Group, Sedona, Arizona, May 2006
President's Community Enrichment Program, Women and Philanthropy Group, Phoenix, Arizona, November 2006
ASU Graduates in Earth, Life, and Social Sciences (GELSS), Symposium, Tempe, Arizona, February 2007
President's Community Enrichment Program, adult community seminar series, "Executive Health and Optimum Performance Research with Athletes' Performance", Tempe, Arizona, March 2007
President's Community Enrichment Program, Women and Philanthropy Group, "ASU's Clinical Partnerships in Research and Education", Tempe, Arizona, April 2007
UD Board of Trustees Academic Affairs Committee, "The College of Health Sciences and the Path to Prominence", Newark, Delaware, October 2009

Vision of Excellence, "Chrysler Site Connections", Newark, Delaware, December 2009
UD Research Orientation for New Faculty, Panel Discussion "The Critical Role of Mentorship", Newark, Delaware, February 2010
Department of Psychology, University of Delaware, March 2010
UD Clinical Psychology Brown Bag Series, April 2010

Invited Community Seminars:

Scottsdale Healthcare Michael Hammond Memorial Lecture, "The Physiology of Stress: Linkages to Health and Disease" and "Health and Aging: The Science of Aging", Scottsdale, Arizona, April 2005
Arthritis Expo, Sun City West, Arizona, November 2005
Department of Neurology, Mayo Clinic Arizona, Scottsdale, Arizona, 2006
AIA Academy "The Steps to a Healthy Future: Celebrating Girls in Sport" symposium, Tucson, Arizona, March 2006
California WIC Association Conference, San Diego, California, April 2006
VISN 18 Research Forum, Carl T. Hayden VA Medical Center, "Building Medicine Bridges in Phoenix", Phoenix, Arizona, May 2006
Biosciences Research Symposium, Phoenix, Arizona, June 2006 (presenter and panelist)
Mayo Grand Rounds, "Neuroendocrine Responses to Stress: Discovering Biomarkers of Optimum Performance and Uncovering Risks for Disease", Scottsdale, Arizona, June 2006
Tempe Leadership Group, "Arizona: A Platform for Interdisciplinary and Translational Research and Education—A Journey of Transformation and Discovery", Tempe, Arizona, January 2007
English Speaking Union, "Anti-Aging: Myth, Science, and Reality", Scottsdale, Arizona, January 2007
Legislative presentation to the Senate and House health committees, Phoenix, Arizona, February 2007
Arizona Science Center Adults' Night Out, "Stress and Health", Phoenix, Arizona, April 2007
Maricopa Integrated Health Systems, Department of Psychiatry, "Stress Center Concepts and Joint Research", Mesa, Arizona, September, 2007
Indo-American Chamber of Commerce, "Clinical Partnerships", Tempe, Arizona, September 2007
The Wellness Community Leadership Council, "How Stress Impacts Your Health", Phoenix, Arizona, September 2007
Bureau of Jewish Education Women's Symposium, "Stress and Disease: Connecting Mind & Body", Scottsdale, Arizona, October 2007
New Castle County Chamber of Commerce, "Partnerships to Promote Health Research and Education in Delaware", New Castle, Delaware, December 2009
Delaware Institute for Medical Education and Research (DIMER), "Partnerships to Promote Health Research and Education in Delaware", Philadelphia, Pennsylvania, December 2009
Delaware Health Care Commission, "Delaware Health Sciences Alliance: Partnerships to Promote Health Education and Research in Delaware", Dover, Delaware, January 2010
State of Delaware Legislature – UD Feature Event, Dover, Delaware, March 2010
Committee of 100, "Delaware Health Sciences Alliance: Partnerships to Promote Health Education and Research in Delaware", Wilmington, Delaware, March 2010
Delaware Health Sciences Alliance Research Conference, "Vision and Reality of the Delaware Health Sciences Alliance", Newark, Delaware, May 2010
Christiana Care Health System Board Meeting, "DHSA: Charting the Course in Healthcare Education and Research", Newark, Delaware, May 2010
INBRE External Advisory Board Meeting, "The Delaware Health Sciences Alliance", Newark, Delaware, May 2010
Delaware Valley Institute for Clinical & Translational Science CTSA Retreat, Keynote Speaker, "Facilitating Collaboration in the DHSA", Philadelphia, PA, May 2010

Country House Speaker Series, "DHSA Vision and Opportunities for Delaware", Wilmington, DE, June 2010
Leadership Delaware Session #12, "DHSA: Charting the Course in Healthcare Education and Research",
Newark, DE, July 2010

Symposia and Workshops Organized:

Chair of symposium on "Processing of Environmental Information in Vertebrates", at the National Meeting of the American Society of Zoologists, Baltimore, Maryland, December 1988
Chair of workshop on "Vertebrate Endocrine Cycles", at the XIth International Symposium on Comparative Endocrinology, Malaga, Spain, May 1989
Co-organizer of Earthwatch Expedition to study field endocrinology of Siberian Dwarf Hamsters in Abakan, Siberia, USSR, September 1989
Convener of symposium on "Neural Aspects of Reproductive Endocrinology: Old Questions, New Approaches", at the National Meeting of the American Society of Zoologists, San Antonio, Texas, December 1990
Co-organizer of 1st ASU/Mayo Clinic Arizona Research Symposium, Scottsdale, Arizona, January 2004
Co-organizer of 2nd ASU/Mayo Clinic Arizona Research Symposium, Tempe, Arizona, February 2006

Training of graduate students in my research laboratory at Arizona State University:

Masters Students:

Krystal Gunther, MS. Biology, 1991
Steve Schoech, MS. (co-mentored), Biology, 1991 (Assistant professor, University of Memphis)
Michael Crowley, MS. Exercise Science, 1992
Shauna Traub, MS. Exercise Science, 1996 (Mobile Bone Density Measurement Company)
Lin Zhang, MS. Exercise Science, 1997
Tinna Traustadottir, MS. Exercise Science, 1998
Laura Hogan-Kobar MS. Exercise Science, 1999
Anne Weiss, MS. (co-mentoring) Biology, 2001
Karyn Iden, MS. Kinesiology, 2003
Patrick Espy, MS. Kinesiology, 2005

Ph.D. Students:

Les Castro, Ph.D. (co-mentored, since he was a student in Biology, and I was primary faculty in Exercise Science it was necessary to have a co-mentor for technical reasons)
Biology, 1996 (Research Associate, University of Arizona Medical School)
Michael Crowley, Ph.D. (co-mentored), Biology, 1996
Christy Dueck, Ph.D. (co-mentored), Exercise Science, 1996 (Mobile Bone Density Measurement Company)
Sarah Woodley, Ph.D. (co-mentored), Biology, 1999 (NIH Post-doctoral Fellowship, Boston College)
Darleen Sandoval, Ph.D. Exercise Science, 2000
Tinna Traustadottir, Ph.D. Exercise Science, 2003
Pamela Bosch, Ph.D. Exercise Science, 2004

Graduate Student Supervisory Committees:

I have served on 13 masters committees for students in exercise science, wellness, psychology,

nutrition, biology, botany; and 21 committees for students completing their PhD in exercise science, psychology, biology, nutrition, and anthropology.

Undergraduate Honors Thesis Students:

Laurie Novak, "Endocrine and immune correlates of submissive behavior in siberian dwarf hamsters, (NSF, REU student), senior thesis, honors college, 1993 (Physical Therapist)

Jen Druhan, "Effects of strenuous training on estrus cycles in hamsters", senior thesis, honors college, 1993

Amanda Rosen, "Effects of acupuncture on the neuroendocrine system", senior thesis, honors college, 2005 – 2007

Michael Retzer, "Effects of stress on heartrate variability and biochemical changes"

NSF, REU students:

Catherine Foster, "The role of prolactin in parental care in male siberian dwarf hamsters", (NSF, REU student), summer 1990, (Physician)

Hughes Undergraduate Fellowship Students:

Dennis Roehl, "Effects of separation stress on the neuroendocrine system; modification by exercise", 1995-1996.

Kerri Williams, "Stress, Arthritis, Activity and Depression", 1997-1998

Kirsten Holland, "Brain Imaging", 1997 -1998

Erin Burgess, "Gender differences in stress reactivity", 2000 -2002

Josh Wallbrecht, "Effects of chronic separation stress on wound healing", 2002 – 2003

MARC Program (Minority Access to Research Careers):

Clay Fincher, "The development of exercise training programs in seniors, improvements in functional ability", 1994 – 1995

TimaSue Cantu, "Neuroendocrine responses to acute and chronic stress in male and female hamsters", 2000 – 2003

Rajeeyah Muhammad, "Chronic stress responses in hamsters, effects on learning", 2003

Additional undergraduates trained in my laboratory at Arizona State University:

Biology:

Steve Schoech, "Hormonal correlates of monogamy in the male siberian dwarf hamster

Stacey Morgan, "Effects of light on the neuro-endocrine immune axis", (MS and research specialist for Scripps Research Institute)

Estelle Farrell, "Neuroendocrine relations", (osteopathic school)

Andy Radvany, "Light and the immune response (medical school)

Eric Brazell, "Stress and disease in animals"

Lora Villasenor, "Effects of exercise on endorphins and the neuro-endocrine axis"

Greg Crever, "Prolactin's role in the regulation of the hypothalamic-pituitary-gonadal axis"

Veronica Mora, "Neuroendocrinology of stress", (biology teacher)

Kodi O'Farrel, "Behavioral and neuroendocrine correlates of stress in the siberian hamster"

Monica Hall, "Seasonal changes in the neuroendocrine system of the siberian dwarf hamster

Greg Powell, "Effects of EMF on the neuroendocrine system in the siberian hamster",

Exercise Science:

Barbara Marchbanks, "Stress and Rheumatoid Arthritis"

Kirsten Stocker, "Effects of the Menstrual Cycle on Brain Glucose Metabolism and a comparison to Amenorrheic Female Athletes

Mark Campbell, "Exercise program for women with arthritis", ESRI Internship

Greg Kientz, "Exercise program for women with arthritis" Undergraduate research studies
Doug Houle, "Exercise program for women with arthritis" ESRI Internship
Mike McKee, "Exercise program for women with arthritis" ESRI Internship
Mike Bradstock, "Exercise program for women with arthritis" ESRI Internship (MS student in Physiology in Canada)
Patrick Espy, "Diabetes and Exercise"
Amanda Drake, "Effects of Anti-oxidants on inflammation"
Rebekah Zalazneck, "Effects of Exercise, Menstrual Cycle Dysfunction on Bone Density as measured by full body DEXA and heel scans"
Andrea Kunkel, "Linkages between depression and cardiovascular disease in the elderly"
Michelle Retchloff, "Effects of anti-oxidants on pain and inflammation in arthritis patients"
Forrest Eagar, "Effects of anti-oxidants on pain and inflammation in arthritis patients"
Amanda Rosen, "Effects of Acupuncture on the Neuroendocrine Axis "
Michael Retzer, "Effects of stress on heartrate variability and biochemical changes"
Carolyn Wolfe, "Effects of stress on heartrate variability and biochemical changes"

Teaching Experience:

In the past, I have taught two courses a semester, and 4 courses per year. During the Fall 2007 semester, I also taught an ASU 101 section.

Courses taught previously in other positions:

ASU 101

Mechanisms of Integration – NEI – Medical School block

Physiology of Women in Sport (L2)

Exercise Physiology (EPE 340, core course in curriculum, involves lectures and labs)

Exercise Endocrinology (EPE 494/598, new lecture course development, L2)

Techniques of Neuroendocrinology (EPE 494/598, new lecture and laboratory course development, taught two semesters)

Physiological and Psychological Models of Stress (EPE 494/598, new lecture course co-developed with Clinical Psychology, taught one semester)

Hormones, Behavior and the Environment (graduate seminar course developed with Zoology, taught one semester)

Medical Physiology

Endocrine Physiology

Reproductive Physiology

Comparative Physiology

Human Anatomy and Physiology

Current Research Topics in Zoology

Honors Biology

Introductory Biology for Majors

Introductory Biology for Non-majors

Memberships in Professional Organizations:

Endocrine Society

American College of Sports Medicine

American Association for the Advancement of Science

Editorial Consulting:

I review manuscripts for a variety of journals in low volumes, usually one or two per year/journal, and some review of grant proposals for agencies listed:

International Journal of Sports Nutrition
Medicine and Science in Sports and Exercise
Research Quarterly for Exercise and Sport
Women in Sport and Physical Activity
General and Comparative Endocrinology
Behavioral Neuroscience
Hormones and Behavior
Bioelectromagnetics
Journal of Mammalogy
National Science Foundation
Whitehall Foundation
Time-Life Book

Department Committees/Service:

Committee on Core Course (1991)
Physical Therapy Committee (1991)
Director of Neuroendocrine Laboratory, Exercise and Sport Research Institute (1991-)
Committee on Conley Awards (1992)
Advisor for EPE 340 Prerequisites (1992-)
Sports Psychology/ Wellness Search Committee (1993)
Departmental Chair Search Committee (1993)
Biology Research Experience for Undergraduates Selection Committee (1995)
Exercise Physiology Search Committee (1996)
Upgrade and replacement of Biochemistry Specialist Position (1996)
Graduate Program Director Search (1997)
Personnel Committee (elected member) (1998, 1999-2001)
Search Committee for Director of Exercise Science Graduate Program (1997)
Motor Control Search Committee (1997)
Search Committee for Biochemistry Specialist (1997)
Personnel Committee (elected member and chair) (2002-2003)
Departmental Chair Search Committee (2003)
ORSPA Search Committee for Site Supervisor for AzBiodesign (2003)
Sneaker Tours (2002 - present)
President's Club, Adventures in Learning (2002 -present)
President's Club, Journey's of the Mind (2002)
Deans Search Committee (2004)
Faculty Mentoring Program (2004, 2005)
Metabolic Faculty Search Committee (2006)
CRU Physician Search Committee (2007)

College/University Committees/Service:

Academic Review and Promotion Committee for Medical Students (1985-1987)
Undergraduate Curriculum Committee (1986-1987)
Human Subjects Review Committee (1991-1994)
Representative of Affirmative Action Committee (1992-1993)

Faculty Legislative Network, District Captain (1995-1996)
 Faculty Legislative Network (1997)
 Recruitment Committee for Bruce McEwen (1999)
 Stress Center Advisory Committee, Biomedical Initiative (2000)
 Animal Housing Facility Committee (2000)
 Faculty speaker in Freshman Orientation (nominated) (2000)
 Faculty participant in NCAA certification process (2000)
 AzBIO, Associate Director, (2001 – 2004)
 President's Task force for Downtown program development (2003 - 2009)
 Arizona Biomedical Collaborative (2004 – 2009)
 Mayo/ ASU Collaborative (2004 – 2009)
 TGEN Biosciences Committee (2004 – 2009)
 ASU/UofA Medical School on the Phoenix Biomedical Campus of the Arizona University System
 Review Committee, ASU/MCA Seed Grant Program (2004, 2005, 2006)
 Global Health Advisory Group (2005-2006)
 President's Medical Working Group, ASU (2005-2009)
 Faculty Search Committee, UA College of Medicine-Phoenix in partnership with ASU (2006)
 Deans Search Committee, UA College of Medicine-Phoenix in partnership with ASU (2006)
 SIRC Faculty Research Affiliate (2006-2009)
 Academic Working Group, UA College of Medicine-Phoenix in partnership with ASU (2006-2009)
 Student Search Committee, UA College of Medicine-Phoenix in partnership with ASU (2006-2009)
 Block Director, NEI Curriculum Block, UA College of Medicine-Phoenix in partnership with ASU (2006-2009)
 ACTREC Director Search Committee (2007)
 ACTREC Team 4 (2007)
 Thesis Mentor, Barrett Honors College (2007)
 Judge/Panelist, Selection Committee for Pathways to Entrepreneurship Grant (2007)
 Environmental Health & Safety Committee (2007-2008)
 Pandemic Flu Working Group (2007-2008)
 Institutional Biosafety Committee (2007-2008)
 Institutional Animal Care and Use Committee (2007-2008)
 Institutional Review Board (2007-2008)
 DACT Director Search Committee (2007)
 OVPREA Executive Committee (2007-2009)
 HSEB Clinical Skills Training Committee (2008-2009)
 HSEB Simulation Committee (2008-present)
 HSEB Gross Anatomy Committee (2008-present)
 HSEB Class Labs Committee (2008-present)
 HSEB Student Services/Student Life Committee (2008-2009)
 ABC2 Research Labs Committee (2008-2009)
 ABC2 Office/Admin Support Committee (2008-2009)
 ABC2 Core Facilities Committee (2008-2009)
 ABC2 Clinical Translational Research Committee (2008-2009)
 ASU School of Applied Arts and Sciences Dean Search Committee (2008)
 ASU School of Applied Arts and Sciences Health Sciences Chair Search Committee (2008)
 UD Path to Prominence Review Committee (2009-present)
 UD College of Arts & Sciences Dean Search Committee (2009-present)

Community Committees/Service:

Healthwest Regional Medical Center Scientific Review Committee, member (1991-1994)

Terros Crisis Line, counselor (1991-1992)
 Community Crisis Program, Advanced Care Team Board of Directors (1992)
 Advisory Council to the Samaritan Institute of Reproductive Medicine, member (1995-1999)
 Governor's Council for Arthritis and Musculoskeletal Disease, elected member (1996)
 University of Arizona Arthritis Center, board member (1996-)
 Challenger Program for Children (1999)
 Carondelet Health Care Services, Healthy Seniors Program (1999-)
 Governor's Commission on the Health Status of Women and Families (2002-2003)
 Flinn Neurological Sciences Platform Committee (2002-2009) (Alternate Co-Chair)
 Flinn Scholar Selection Committee (2002-2004, 2007)
 Flinn Translational Research Project Advisory Committee (2003-2009)
 Arizona Women's Health Policy Group (2003)
 Governor's Arizona Commission for Medical Education and Research (2004-2009) (Alternate Committee Member)
 Banner Health Comprehensive Cancer Center Planning Summit (2005)
 St. Joseph's Human Specimen Committee (2005)
 Lead Researcher, Arizona Town Hall Report (2005)
 Crisis Nursery Board of Directors (2005-2007)
 Clinical & Translational Science Award Goal Team 4 Committee (2006)
 Clinical & Translational Science Award Coordinating Committee (2006-2008)
 Clinical & Translational Science Award Steering Committee (2006-2008)
 Flinn Bioengineering Platform Committee (2006-2009)
 Arizona Alzheimer's Consortium Board (2007)
 Panel Judge, Arizona Medical Education Consortium (2007)
 The Wellness Community Board (2007-2009)
 Barrow Neurological Institute Board (2007-2009)
 Governor's Arizona Commission for Medical Education and Research Coordinating Committee (2007-2009)
 Delaware Institute of Medical Education and Research (DIMER) (2009-2012)
 University of Delaware-Thomas Jefferson University Partnership Executive Committee (2009-present) (Co-Director)
 Veterans Administration Delaware & South New Jersey Healthcare System Deans Committee (October 2009-present)
 Christiana Care Health System Performance Improvement Committee (March 2010-present)
 Educational Mission Planning Committee, Thomas Jefferson University (August 2010-present)

Service to Professional Societies:

American Society of Zoologists, Division of Comparative Endocrinology, Logo and T-Shirt Design Committee, Chair (1989-90)
 American Society of Zoologists, Committee for Equal Opportunity (1989-90)
 American Society of Zoologists, Division of Comparative Endocrinology, Officer Nominations Committee (1988, 1989)
 American Society of Zoologists, Division of Comparative Endocrinology, Best Student Paper Committee (1987, 1988)
 American Society of Zoologists, Division of Comparative Endocrinology, Best Student Paper Committee (1987, 1988)
 American Society of Zoologists, Division of Comparative Endocrinology, Officer Nominations Committee (1988, 1989)
 American Society of Zoologists, Committee for Equal Opportunity (1989-90)
 American Society of Zoologists, Division of Comparative Endocrinology, Logo and T-Shirt Design

Committee, Chair (1989-90)
Western Regional Conference on Comparative Endocrinology, Local Organizing Committee (1991)
American Society of Zoologists, Division of Comparative Endocrinology, Secretary (1992, 1993)
American Society of Zoologists, Committee to Ensure Equal Opportunity, Chairperson, (1992, 1993)
AAAS Congressional Science and Engineering Fellowship, finalist (1995-1996)
Endocrine Society, Congressional Fellow (1998-1999)
Endocrine Society, Ad-hoc member of the Clinical Affairs Committee (1998-1999)
Endocrine Society, Ad-hoc member of the Research Affairs Committee (1998-1999)
Society for Behavioral Neuroendocrinology, co-chair, Local Organizing Committee (2000)
Minority Affairs Committee, Society for the Study of Reproduction (2002)

Legislative Experience:

Congressional Fellowship funded by the Endocrine Society (September 1998 – August 1999)
Health Policy Fellow, United State Senate, Committee on Health, Education, Labor, and Pensions (the Chairman's Office, Senator James Jeffords), 835 Senate Hart Building, Washington, D.C. 20510

Legislative Issues: Confidentiality of Medical Records, Patients Bill of Rights, prevention programs and models, treatment models for chronic disease – acute and chronic care, end-of-life programs/ pain management, diabetes education programs, osteoporosis, women's health issues, home health coverage

Accomplishments: I wrote two bills which were introduced in the Senate, one on Home Health and the other on Prevention Programs for Seniors. The prevention bill was re-introduced this year in the Senate. I participated in the committee discussions of the Confidentiality of Medical Records and development of initial guidelines. I prepared visual materials for presentation in the Senate debate on Patients Bill of Rights. I prepared questions for the chair, Senator Jeffords to ask to the Secretary of HHS, Donna Shalala in a meeting before the committee on health care reform. I organized and led meetings with Health, Research, & Services Administration that resulted in the elimination of sequential billing for home health agencies. I met with various disease groups, and university groups on issues regarding legislation to support research funding.

Additional Projects/Activities:

Public television interview on Horizon, related to research on stress. (April 2003, November 2003)
Administration of ASU/Mayo Clinic Arizona seed grant programs. (2004-2009)
Participation in annual visits to legislative delegates in Washington, DC with Flinn Foundation. (2005-2009)
Development of an interdisciplinary Neuroscience graduate program, in collaboration with Barrow Neurological Institute. (2006-2009)
Development of a mentoring program for women, in collaboration with Mayo Clinic Arizona. (2006-2009)
Public television interview on Horizon, related to my role in the Phoenix Program of the University of Arizona College of Medicine, in collaboration with ASU. (2006)
Gathering of information for ASU Piper Chair nominations (46 candidates over three rounds) for submission to Piper Trust. (2006)
Development of an Executive Health program, in collaboration with Mayo Clinic Arizona. (2006-2009)
Organization/administration of inaugural round of ASU/UA Collaborative Research Grant program. (2006)
Coordination of NIH site visit for MARC program renewal determination at ASU. (2007)

Development of a reciprocal IRB agreement between the three state universities – NAU, UA, and ASU. (2007-2008)

Development of a memorandum of understanding between ASU and Maricopa Integrated Health System to strengthen partnership and identify joint initiatives. (2007-2009)

Facilitation of discussions between ASU and Barrow Neurological Institute regarding relocation of Center for Adaptive Neural Systems to BNI. (2007-2009)

Oversight of ASU/Mayo Innovation Fund on behalf of the University. (2007-2009)

Initiation of discussions for 7T Magnet collaboration between ASU and Barrow Neurological Institute. (2007-2009)

Secured donation for funding for Clinical Partnerships Fellowship. (2008)

Planning and administration of visit by Mayo Clinic Board of Governors to ASU Tempe and Downtown campuses at request of President's Office. (2008)