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EDUCATION:

- Ph.D.** The Ohio State University, Columbus, Ohio, 1994, Reproductive Physio/Endo
M.S. The Ohio State University, Columbus, Ohio, 1990, Reproductive Physio/Endo
D.V.M. University of Ankara, College of Veterinary Medicine, 1986

PROFESSIONAL APPOINTMENTS AND TRAINING:

Associate Professor, July 2009–present

Department of Animal Sciences, Rutgers, The State University of New Jersey
New Brunswick, New Jersey

Assistant Professor, September 2003–July 2009

Department of Animal Sciences, Rutgers, The State University of New Jersey
New Brunswick, New Jersey

Postdoctoral Associate, June 2000–August 2003

School of Molecular Biosciences, Washington State University, Pullman, Washington

Associate Scientist & Head, January–June 2000

Reproductive Biology Laboratory, Department of Biological and Medical Research
King Faisal Specialist Hospital and Research Center (KFSH&RC), Riyadh, Saudi Arabia

Assistant Scientist, April 1997–January 2000

Reproductive Biology Laboratory, Department of Biological and Medical Research
King Faisal Specialist Hospital and Research Center, Riyadh, Saudi Arabia

Postdoctoral Associate January 1995–April 1997

Department of Animal Sciences, Washington State University, Pullman, Washington

Veterinarian, 1987–1988

Department of Agriculture, Ankara, Turkey

MEMBERSHIPS (RUTGERS UNIVERSITY):

Member, July 2006–Present

Joint Graduate Program in Toxicology

Member, December 2004–Present

Rutgers - NIEHS Center for Environmental Exposures and Disease

Member, September 2003–Present

Graduate Program in Endocrinology and Animal Biosciences (formerly Graduate Program in Animal Sciences)

FELLOWSHIPS AND AWARDS:

Society of Toxicology, Colgate-Palmolive for Alternative Research Award, 2009 and 2010

NATO/TUBITAK Fellowship for graduate studies in the USA, 1988–1991

NATO/TUBITAK Fellowship for graduate studies in Turkey, 1987–1988

ACADEMIC MEMBERSHIPS:

- Society of Toxicology, 2009–present
- The Endocrine Society, USA, 1994–present
- Society for the Study of Reproduction, USA, 1992–present

INVITED PRESENTATIONS:

1. International Workshop in Neuroendocrinology, Dourado, São Paulo, Brazil, August 4-7, 2013.
2. “Epigenetic Effects of Endocrine-Disrupting Chemicals in the Ovary and On Female Fertility, Selcuk University, Faculty of Agriculture, Konya, Turkey, August 24, 2012.
3. 17th International Congress on Animal Reproduction, Vancouver, BC, Canada, Jul 29 – August 2, 2012.
4. 17th Ovarian Workshop, Milwaukee, WI, July 28 – 30, 2010.
5. Interdisciplinary Faculty of Toxicology, Texas A&M University, May 3, 2010
6. Division of Toxicology and Pharmacology, University of Texas-Austin, September 24, 2009.
7. Bristol Myers Squibb, North Brunswick, NJ, July 8, 2009.
8. Rutgers University, Department of Animal Sciences; September 12, 2008.
9. Rutgers University, Department of Biochemistry and Microbiology; December 7, 2007.
10. Clark Atlanta University, Center for Cancer Research and Therapeutic Development; November 16, 2007.
11. University of Illinois at Urbana-Champaign, Interdisciplinary Environmental Toxicology Seminar Program; November 9, 2007.
12. Mississippi State University, College of Veterinary Medicine, Animal Physiology Seminar; February 5, 2007.
13. UMDNJ-Rutgers, Environmental and Occupational Health Sciences Institute; May 23, 2005.
14. Rutgers University, Department of Nutritional Sciences; May 3, 2005.
15. The 25th Annual Congress of the Turkish Physiological Society, Elazig, Turkey; September 6-10, 1999.

PUBLICATIONS IN PEER-REVIEWED JOURNALS:

1. Bhurke AS, Zama AM, **Uzumcu M** (2017) Effects of developmental exposure to DEHP on female reproductive function and ovarian follicle composition in rats (in preparation).
2. Yirtici S, Zama AM, **Uzumcu M** (2017) Effect developmental exposure to estrogenic EDCs on female reproductive function and ovarian follicle composition in rats (in preparation).
3. Tuazon MA, Klein DJ, Shapses S, Anacker KR, Anthony TG, **Uzumcu M**, Henderson GC (2017) Effects of ovariectomy and exercise training intensity on energy substrate and hepatic lipid metabolism, and spontaneous physical activity in mice. *Metabolism*, (Submitted).
4. Roepke TA, Yang J, Yasrebi A, Mamounis K, Oruc E, Zama AM, **Uzumcu M** (2016). Endocrine-disrupting compounds regulate genes involved in energy homeostasis in hypothalamus of female rats exposed during development. *Reproductive Toxicology*, 62: 18–26.
5. Zama AM, Bhurke A, **Uzumcu M** (2015). Effects of endocrine-disrupting chemicals on female reproductive health. *The Open Journal Biotechnology* 2015 9, <http://benthamopen.com/ABSTRACT/TOBIOTJ-9-E024>.

6. Harvey CN, Chen JC, Bagnell CA, **Uzumcu M** (2014). Methoxychlor and HPTE inhibit cAMP production and expression of estrogen receptors α and β in the rat granulosa cell *in vitro*. *Reproductive Toxicology*, 51:72–78. PMID: PMC4465425
7. Fagnant HS, **Uzumcu M**, Buckendahl P, Dunn MG, Shupper P, Shapses SA (2014). Fetal and neonatal exposure to the endocrine disruptor, methoxychlor, reduces lean body mass and bone mineral density and increases cortical porosity. *Calcified Tissue International*, 95:521–529.
8. Cruz G, Foster, W, Paredes, A, Yi, KD, **Uzumcu M** (2014) Long-term effects of early life exposure to environmental estrogens on ovarian function: role of epigenetics. *Journal of Neuroendocrinology*, 26:613–624. PMID: PMC4297924.
9. Zama AM, **Uzumcu, M** (2013). Targeted genome-wide methylation and gene expression analyses reveal signaling pathways involved in ovarian dysfunction after developmental exposure. *Biology of Reproduction*, 88:1–13. PMID: PMC3589238
10. **Uzumcu M**, Zama AM, Oruc, E (2012). Epigenetic mechanisms in the actions of endocrine-disrupting chemicals: Gonadal effects and role in female reproduction. *Reproduction in Domestic Animals*, 47 (Suppl. 4): 1–10. PMID: PMC4151320.
11. Gore AC, Walker DM, Zama AM, Armenti AE, **Uzumcu, M** (2011). Early life exposure to endocrine-disrupting chemicals causes lifelong molecular reprogramming of the hypothalamus and premature reproductive aging. *Molecular Endocrinology*, 25:2157-2168. Epub Oct 20; (Cover story & Endocrine News article). PMID: PMC3231835
12. Zama AM, **Uzumcu M** (2010). Epigenetic effects of endocrine-disrupting chemicals on female reproduction: An ovarian perspective. *Frontiers in Neuroendocrinology*, 31:420-439; invited review). PMID: PMC3009556
13. Zama AM, **Uzumcu M** (2009). Fetal and neonatal exposure to endocrine disruptor methoxychlor causes epigenetic alterations in key ovarian genes. *Endocrinology*, 150:4681-4691, Epub Jul 9. PMID: PMC2754680.
14. Harvey CH, Esmail MY, Wang, Q, Brooks, AI, Zachow R, **Uzumcu M** (2009). Effect of methoxychlor metabolite HPTE on rat ovarian granulosa cell transcriptome *in vitro*. *Toxicological Sciences* 110:95-106, Epub May 4. PMID: PMC2696328
15. Armenti AE, Zama AM, Passantino L, **Uzumcu M** (2008). Developmental methoxychlor exposure affects multiple reproductive parameters and ovarian folliculogenesis and gene expression in adult rats. *Toxicology and Applied Pharmacology* 233:286-296. Epub Sep 24. PMID: PMC2613954
16. Marano J, Sun D, Zama AM, Young W, **Uzumcu M** (2008). Orthotopic transplantation of neonatal GFP rat ovary as experimental model for studying ovarian development and toxicology. *Reproductive Toxicology* 26:191-196. Epub Sep 19 (Journal Cover). PMID: PMC2613850
17. Memon MA, Anway MD, Covert TR, **Uzumcu M**, Skinner MK (2008). Transforming growth factor beta (TGF β 1, TGF β 2 or TGF β 3) null-mutant phenotypes in embryonic gonadal development. *Molecular and Cellular Endocrinology* 294:70-80. PMID: PMC2593935
18. Clement TM, Anway MD, **Uzumcu M**, Skinner MK (2007). Regulation of the gonadal transcriptome during sex determination and testis morphogenesis: candidate regulatory genes. *Reproduction* 134:455-472.
19. Zachow RJ, **Uzumcu M** (2007). The hepatocyte growth factor system as a regulator of female and male gonadal function. *Journal of Endocrinology* 195:359-371.

20. **Uzumcu M**, Zachow R (2007). Developmental exposure to environmental endocrine disruptors: consequences within the ovary and on female reproductive function. *Reproductive Toxicology* 23:337-352; (invited review). PMID: PMC1950429
21. **Uzumcu M**, Kuhn PE, Marano JE, Armenti AE, Passantino L (2006). Early postnatal methoxychlor exposure inhibits folliculogenesis and stimulates anti-Mullerian hormone production in the rat ovary. *Journal of Endocrinology* 191:549-558.
22. Anway MD, Memon MA, **Uzumcu M**, Skinner MK (2006). Transgenerational effect of the endocrine disruptor vinclozolin on male spermatogenesis. *Journal of Andrology* 27:868-879.
23. Zachow R, **Uzumcu M** (2006). The methoxychlor metabolite, 2,2-bis-(p-hydroxyphenyl)-1,1,1-trichloroethane, inhibits steroidogenesis in rat ovarian granulosa cells in vitro. *Reproductive Toxicology* 22:659-665.
24. **Uzumcu M**, Pan Z, Chu Y, Kuhn PE, Zachow R (2006). Immunolocalization of the hepatocyte growth factor (HGF) system in the rat ovary and the anti-apoptotic effect of HGF in rat ovarian granulosa cells in vitro. *Reproduction* 132:291-299.
25. Anway MD, Cupp AS, **Uzumcu M**, Skinner MK (2005). Epigenetic transgenerational actions of endocrine disruptors and male fertility. *Science* 308:1466-1469.
26. Small CL, Shima JE, **Uzumcu M**, Skinner MK, Griswold MD (2005). Profiling gene expression during the differentiation and development of the murine embryonic gonad. *Biology of Reproduction* 72:492-501. PMID: PMC3217241
27. **Uzumcu M**, Suzuki H, Skinner MK (2004). Effect of the anti-androgenic endocrine disruptor vinclozolin on embryonic testis cord formation and postnatal testis development and function. *Reproductive Toxicology* 18:765-774.
28. Cupp AS, **Uzumcu M**, Suzuki H, Dirks KA, Phillips B, Skinner MK (2003). Effect of transient in utero exposure to the endocrine disrupter methoxychlor on embryonic and postnatal testis development. *Journal of Andrology* 24:736-745.
29. Cupp AS, **Uzumcu M**, Skinner MK (2003). Chemotactic role of neurotrophin 3 in the embryonic testis that facilitates morphological male sex determination. *Biology of Reproduction* 68:2033-2037.
30. **Uzumcu M**, Westfall S, Dirks KA, Skinner MK (2002). Embryonic testis cord formation and mesonephric cell migration requires the phosphatidylinositol 3-kinase signaling pathway. *Biology of Reproduction* 67:1927-1935.
31. Carnahan KG, **Uzumcu M**, Hu J, Sample GL, Braileanu GT, Miranda MA (2002). Oxytocin stimulates secretion of prostaglandin $F_{2\alpha}$ from endometrial cells of swine in the presence of progesterone. *Domestic Animal Endocrinology* 23:435-445.
32. Coskun S, Tbakhi A, Jaroudi KA, **Uzumcu M**, Merdad TA, Al-Hussein KA (2002). Flow cytometric ploidy analysis of testicular biopsies from sperm-negative wet preparations. *Human Reproduction* 17:977-983.
33. **Uzumcu M**, Dirks AK, Skinner MK (2002). Inhibition of platelet-derived growth factor actions in the embryonic testis influences normal cord development and morphology. *Biology of Reproduction* 66:745-753.
34. **Uzumcu M**, Carnahan KG, Braileanu GT, Miranda MA (2000). Oxytocin-stimulated phosphoinositide hydrolysis and prostaglandin $F_{2\alpha}$ secretion by luminal epithelial, glandular epithelial and stromal cells from pig endometrium. II. Responses of cyclic, pregnant and

- pseudopregnant pigs on Days 12 and 16 post oestrus. *Reproduction Fertility and Development* 12:157-164.
35. **Uzumcu M**, Homsy MF, Ball DK, Coskun S, Jaroudi K, Hollanders JMG, Brigstock DR (2000). Localization of connective tissue growth factor in human uterine tissues. *Molecular Human Reproduction* 6:1093-1098.
 36. Carnahan KG, Prince BC, Ludwig TE, **Uzumcu M**, Evans MA, Mirando MA (1999). Effect of oxytocin on concentration of prostaglandin $F_{2\alpha}$ in the uterine lumen and subsequent endometrial responsiveness to oxytocin in pigs. *Journal of Reproduction and Fertility* 117: 207-212.
 37. Braileanu GT, Simasko SM, **Uzumcu M**, Mirando MA (1999). Intracellular free calcium in response to oxytocin in pig endometrial cells. *Molecular and Cellular Endocrinology* 155:77-83.
 38. **Uzumcu M**, Coskun S, Jaroudi K, Hollanders JMG (1998). Effect of human chorionic gonadotropin on cytokine production from human endometrial cells *in vitro*. *American Journal of Reproductive Immunology* 40:83-88.
 39. **Uzumcu M**, Braileanu GT, Carnahan KG, Ludwig TE, Mirando MA (1998). Oxytocin-stimulated phosphoinositide hydrolysis and prostaglandin F_{2a} secretion by luminal epithelial, glandular epithelial and stromal cells from pig endometrium. I. Response of cyclic pigs on day 16 postestrus. *Biology of Reproduction* 59: 1259-1265.
 40. Coskun S, **Uzumcu M**, Jaroudi K, Hollanders JMG, Parhar RS, Al-Sedairy ST (1998). Presence of leukemia inhibitory factor and interleukin-12 in human follicular fluid during follicular growth. *American Journal of Reproductive Immunology* 40:13-18.
 41. **Uzumcu M**, Brigstock DR, Lin YC (1998). Partial purification and characterization of two non-FSH steroid-modulating factors in rat thymic epithelial cell-conditioned media (TCM). *Domestic Animal Endocrinology* 15:155-168.
 42. Ludwig TE, Sun B-C, Carnahan KG, **Uzumcu M**, Yelich JV, Geisert RD, Mirando MA (1998). Endometrial responsiveness to oxytocin during diestrus and early pregnancy in pigs is not controlled solely by changes in oxytocin receptor population density. *Biology of Reproduction* 58:769-777.
 43. Ball DK, Surveyor GA, Diehl JR, Steffen CL, **Uzumcu M**, Mirando MA, Brigstock DR (1998). Characterization of 16- to 20-kilodalton (kDa) connective tissue growth factors (CTGFs) and demonstration of proteolytic activity for 38-kDa CTGF in pig uterine luminal flushings. *Biology of Reproduction* 59:828-835.
 44. Chang WY, Shidaifat F, **Uzumcu M**, Lin YC (1996). Effects of transforming growth factor- β_1 and activin-A on *in vitro* porcine granulosa cell steroidogenesis. *Theriogenology* 45:1463-1472.
 45. Tysseling KA, **Uzumcu M**, Hoagland TA, Crain RC, Mirando MA (1996). The role of phosphoinositide-derived second messengers in oxytocin-stimulated prostaglandin $F_{2\alpha}$ release from endometrium of pigs. *Domestic Animal Endocrinology* 13:411-420.
 46. Mirando MA, **Uzumcu M**, Carnahan KG, Ludwig TE (1996). A role for oxytocin during luteolysis and early pregnancy in swine. *Reproduction in Domestic Animals* 31:455-461.
 47. Coskun S, **Uzumcu M**, Lin YC, Friedman CI, Alak BM (1995). Regulation of cumulus cell steroidogenesis by the porcine oocyte and preliminary characterization of oocyte-produced factor(s). *Biology of Reproduction* 53:670-675.
 48. Akira S, Ohmura H, **Uzumcu M**, Araki T, Lin YC (1994). Gossypol inhibits aromatase activity in cultured porcine granulosa cells. *Theriogenology* 41:1489-1497.

49. **Uzumcu M**, Lin YC (1994). Characterization of the stimulatory actions of thymic factor(s) on basal and gonadotropin-induced steroidogenesis in cultured rat granulosa cells. *Molecular and Cellular Endocrinology* 105:209-216
50. **Uzumcu M**, Akira S, Lin YC (1992). Stimulatory effect of thymic factor(s) on steroidogenesis in cultured rat granulosa cells. *Life Sciences* 51:1217-1228.

BOOK CHAPTER:

1. **Uzumcu M**, Zama AM. Developmental Effects of Endocrine- Disrupting Chemicals in the Ovary and on Female Fertility. In: Rosenfeld, CS (ed). *The Epigenome and Developmental Origins of Health and Disease*, Elsevier, Academic Press, 2016 pp 143-170.
2. **Uzumcu M**, Brigstock DR, Lin YC. Characterization and partial purification of steroidogenic factors from thymic epithelial cell-conditioned media. In: Aboul-Enein HY (ed). *Analytical and Preparative Separation Methods of Biomacromolecules*, Marcel Decker Inc., New York, 1999 pp 167-185.

PUBLISHED CONFERENCE PROCEEDINGS:

1. Ludwig TE, Carnahan KG, **Uzumcu M**, Mirando MA (1997). Control of endometrial responsiveness to oxytocin during diestrus and early pregnancy in pigs. *Proceedings, Western Section, American Society of Animal Science* 48:30-33.
2. Carnahan KG, Prince BC, Ludwig TE, **Uzumcu M**, Mirando MS (1996). Does oxytocin up-regulate its own receptor in endometrium of pigs? *Proceedings, Western Section, American Society of Animal Science* 47:19-22.
3. Ohmura H, Chang WY, **Uzumcu M**, Coskun S, Akira S, Araki T, Lin YC. Transforming growth factor- β_1 stimulates progesterone production in cultured granulosa cells from gonadotropin-primed adult rats. In: Leung PCK, Hsueh AJW, Friesen HG (eds.), *Molecular Basis of Reproductive Endocrinology*, Springer-Verlag, New York, 1993; pp 215-221.

PUBLISHED ABSTRACTS:

1. Yirtici S, Brennan K, Amberge M, Zama A, **Uzumcu M**. (2016) Effects of developmental exposure to endocrine-disrupting chemicals methoxychlor and bisphenol A on ovarian follicular dynamics and reproductive parameters in rats, 49th Annual Meeting of the SSR, San Diego, CA, July, 16–20, 2016.
2. Bhurke AS, Marpaka S, Sheng LC, Zama AM, **Uzumcu M** (2014) Effect of developmental exposure to DEHP on female reproductive function and ovarian follicle composition in rats, 47th Annual Meeting of the SSR, Grand Rapids, MI, July, 19–23, 2014.
3. **Uzumcu M**, Zama AM (2013) Epigenetic effects of endocrine-disrupting chemical methoxychlor on female reproduction. International Workshop in Neuroendocrinology, Dourado, Brazil, August 4-7, 2013.
4. Zama AM, Altunbas K, **Uzumcu** (2012) Follicular Stage-Specific Gene Expression Analysis in Rat Ovary The 45th Annual Meeting of Society of Study of Reproduction, in State College, PA, August 12-15, 2012.
5. Zama AM, Altunbas K, **Uzumcu M** (2011) Genome-Wide Analysis of Methylation Patterns in Ovaries Exposed to Endocrine-Disrupting Chemicals The 44th Annual Meeting of Society of Study of Reproduction, in Portland, OR, July 31-August 4, 2011.
6. **Uzumcu M** Zama AM, Harvey CH (2010) Epigenetic effects of endocrine-disrupting chemicals in the ovary. Invited presentation at the 17th Ovarian Workshop, Milwaukee, WI, July 28-30, 2010.

7. Zama AM, **Uzumcu M** (2010) Age-and hormone-dependent modulation of effects of methoxychlor (MXC) on ovarian estrogen receptor beta expression and DNA methylation patterns. The 43rd Annual Meeting of the Society for the Study of Reproduction, Milwaukee, WI, July 30-August 3, 2010.
8. Harvey CH, **Uzumcu M** (2010) Methoxychlor and methoxychlor metabolite regulate estrogen receptors expression in rat ovarian granulosa cells *in vitro*. The 43rd Annual Meeting of the Society for the Study of Reproduction, Milwaukee, WI, July 30-August 3, 2010.
9. Zama AM, **Uzumcu M** (2009) Fetal and neonatal methoxychlor exposure causes global and gene-specific alterations in methylation patterns in adult rat ovaries. The 42nd Annual Meeting of the Society for the Study of Reproduction, Pittsburgh, PA, July 18-22, 2009.
10. **Uzumcu M**, Zama AM, Zachow R (2009) Immunolocalization of hepatocyte growth factor system proteins during embryonic and postnatal development in the testis. The 42nd Annual Meeting of the Society for the Study of Reproduction, Pittsburgh, PA, July 18-22, 2009.
11. Walker DM, Gore AC, Armenti AE, Mahakali Zama A, **Uzumcu, M** (2009) Long-term effects of perinatal methoxychlor or estradiol on gene expression in the hypothalamus of the aging female rat. The 91th Annual Meeting of Endocrine Society (ENDO 2009), Washington D.C. June 10-13 2009.
12. Shupper P, Patel S, Ambia-Sobhan H, Armenti, AE, **Uzumcu M**, Shapses SA (2009) Early methoxychlor exposure reduces growth and bone mass in rats. The Experimental Biology 2009, New Orleans, Louisiana, April 18-22, 2009.
13. Harvey CH, Esmail MY, Zachow R, **Uzumcu M** (2009). A comparison of the global gene expression in rat granulosa cells when challenged by methoxychlor and its metabolite 2,2-bis-(p-hydroxyphenyl)-1,1,1-trichloroethane, HPTE, *in vitro*. The 48th Annual Meeting of the Society of Toxicology, Baltimore, MD, March 15-19, 2009.
14. *Zama AM, Armenti AE, Marano JE, Passantino L, **Uzumcu M** (2008). Fetal and neonatal methoxychlor exposure impairs early folliculogenesis and adult ovarian function through estrogen receptor-beta mediated and epigenetic mechanisms. Gordon Research Conference on Environmental Endocrine Disruptors in Waterville Valley, NH, June 8-13, 2008, (*unpublished).
15. **Uzumcu M**, Zama AM, Armenti AE, Passantino L (2008). Fetal and neonatal exposure to endocrine disruptor methoxychlor impairs adult ovarian function. *Biology of Reproduction* Special Issue 215. The 41st Annual Meeting of the Society for the Study of Reproduction, Kona, HI, May 27-30, 2008.
16. Harvey CH, Esmail MY, Zachow R, **Uzumcu M** (2008). Effects of methoxychlor metabolite HPTE on global gene expression in the rat ovarian granulosa cells *in vitro*. The 47th Annual Meeting of Society of Toxicology, Seattle, WA, March 16-20, 2008.
17. Zama AM, Armenti AE, Passantino L, **Uzumcu, M** (2007). Fetal and neonatal methoxychlor exposure alter gene expression in adult ovary. Future Research on Endocrine Research: Translation of Basic and Animal Research to Understand Human Disease, sponsored by NIEHS, Durham, NC, August 27–29, 2007.
18. Marano JE, **Uzumcu M** (2007). Fetal and neonatal methoxychlor exposure in rats alters follicle stage distribution and decreases the ovarian levels of anti-Mullerian hormone in early postnatal rats. *Biology of Reproduction* Special Issue 162. The 40th Annual Meeting of the Society for the Study of Reproduction, San Antonio, TX, July 21-25, 2007.
19. Armenti AE, Passantino L, **Uzumcu M** (2007). Methoxychlor exposure during the fetal/neonatal

- period of development impairs adult ovarian function and leads to reduced fertility in rats. *Biology of Reproduction* Special Issue 84. The 40th Annual Meeting of the Society for the Study of Reproduction, San Antonio, TX, July 21-25, 2007.
20. **Uzumcu M** (2005). The effect of fetal/neonatal methoxychlor exposure on the estrous cycle and female fertility. Presented at the Grantee Meeting, "Fetal Basis of Adult Disease: Role of Environment", sponsored by NIEHS, Durham, NC, November 1, 2005.
 21. **Uzumcu M**, Zachow RJ (2006). Methoxychlor metabolite HPTE inhibits steroidogenesis and stimulates AMH production in ovarian granulosa cells in vitro. *Biology of Reproduction* Special Issue 90. The 39th Annual Meeting of the Society for Study of Reproduction, Omaha, NE, July 29-August 2, 2006.
 22. **Uzumcu M**, Yao M, Baseri B (2005). Neonatal methoxychlor exposure inhibits folliculogenesis and stimulates Mullerian inhibiting substance production in the rat ovary. *Biology of Reproduction* Special Issue 140. The 38th Annual Meeting of the Society for Study of Reproduction in Quebec City, Quebec, Canada, July 24-27, 2005.
 23. Zachow R, **Uzumcu M** (2005). Changes in the cellular distribution of hepatocyte growth factor (HGF), c-met and HGF activator protein during rat folliculogenesis. *Biology of Reproduction* Special Issue 180. The 38th Annual Meeting of the Society for Study of Reproduction in Quebec City, Quebec, Canada, July 24-27, 2005.
 24. Griswold M, Small C, **Uzumcu M**, Skinner M, Shima J (2004). Dissection of testis development and spermatogenesis using expression arrays. *Biology of Reproduction* Special Issue 82. The 37th Annual Meeting of the Society for the Study of Reproduction, University of British Columbia, Vancouver, BC, Canada, August 1-4, 2004 (Invited).
 25. Small C, Shima J, **Uzumcu M**, Skinner M, Griswold M (2004). Characterizing gene expression in the murine embryonic gonad. *Biology of Reproduction* Special Issue 181. The 37th Annual Meeting of the Society for the Study of Reproduction, University of British Columbia, Vancouver, BC, Canada, August 1-4, 2004.
 26. Anway MD, **Uzumcu M**, Memon M, Skinner MK (2004). Transgenerational effects from embryonic exposure to anti-androgen endocrine disruptor vinclozolin in adult male rats. Presented at the Annual Meeting of Society for Andrology in Baltimore, MD, 2004, *Journal of Andrology* 9 Suppl. S Mar-Apr, 2004.
 27. **Uzumcu M**, Ague JM, Skinner MK (2003). Effects of antiandrogen endocrine disruptor on embryonic testis cord formation and postnatal testis development and function in rats. *Biology of Reproduction* 68 [Suppl 1]:172.
 28. **Uzumcu M**, Westfall S, Dirks KA, Skinner MK (2002). Role of phosphatidylinositol 3-kinase signaling pathway in cord formation and mesonephric cell migration in embryonic testis. *Biology of Reproduction* 66 [Suppl 1]:297.
 29. Chaudhary J, Saxlund M, **Uzumcu M**, Skinner MK (2001). CBP/p300 act as transcriptional co-activator in FSH Mediated activation of Transferrin Promoter in Sertoli Cells. XVI Testis Workshop "**Regulatory Mechanisms of Testicular Cell Differentiation**," sponsored by Serono Symposia, U.S.A., p 42, Newport Beach, CA, February 22-25, 2001.
 30. **Uzumcu M**, Dirks AK, Skinner MK (2001). Inhibition of platelet-derived growth factor action in the embryonic testis influences normal cord development and morphology. *Biology of Reproduction* 64 [Suppl 1]:207.
 31. Coskun S, Al-Mukhalafi Z, Al-Hussein K, **Uzumcu M**, Jaroudi K, Hollanders J, Merdad T (1999).

- Flow cytometric ploidy analysis of testicular biopsies when no spermatozoa are detected in wet preparation. The 55th Annual Meeting of the American Society for Reproductive Medicine, Toronto, Ontario, Canada, September 25-30, 1999.
32. **Uzumcu M**, Homsfi MF, Brigstock DR, Ayberk H, Coskun S, Jaroudi K, Hollanders JMG (1998). Immunohistochemical localization of connective tissue growth factor in human endometrium and decidua. *Biology of Reproduction* 58 [Suppl 1]:197.
 33. Braileanu GT, Simasko S, **Uzumcu M**, Mirando MA (1998). Oxytocin and angiotensin-II increase calcium in pig endometrial cells, but only oxytocin stimulates prostaglandin $F_{2\alpha}$ release. *Biology of Reproduction* 58 [Suppl 1]:114.
 34. Coskun S, Jaroudi K, **Uzumcu M**, Zahrani A, Merdad T, Hollanders J, Al Hussein K (1998). Correlation between wet preparation, flow cytometric ploidy analysis and histopathology report in the testicular biopsies of azoospermic men. The 5th Annual Meeting of the Middle East Fertility Society, Amman, Jordan, November 18-20, 1998.
 35. Braileanu GT, Simasko SM, **Uzumcu M**, Mirando MA (1998). Do pig uterine stromal cells use a calcium pool in response to oxytocin which is different from that used for angiotensin-II? Twentieth Annual Workshop of Canada West Society for Reproductive Biology, p. 14. March 1998.
 36. **Uzumcu M**, Carnahan KG, Ludwig TE, Mirando MA (1997). Oxytocin-stimulated phosphoinositide hydrolysis and prostaglandin $F_{2\alpha}$ secretion by luminal epithelial, glandular epithelial and stromal cells from pig endometrium. II. Response of cyclic, pregnant and pseudo-pregnant pigs on Day 16 post-estrus. *Biology of Reproduction* 56 [Suppl 1]:132.
 37. Ludwig TE, Carnahan KG, **Uzumcu M**, Mirando MA (1997). Control of endometrial responsiveness to oxytocin during diestrus and early pregnancy in pigs. *Journal of Animal Science* 75 [Suppl. 1]:110.
 38. **Uzumcu M**, Braileanu GT, Carnahan KG, Sample GL, Mirando MA (1997). Oxytocin-stimulated phosphoinositide hydrolysis and prostaglandin $F_{2\alpha}$ secretion by luminal epithelial, glandular epithelial and stromal cells from pig endometrium. III. Response of cyclic, pregnant and pseudo-pregnant pigs on Day 12 post-estrus. "**Embryo Implantation: Molecular, Cellular and Clinical Aspects**," sponsored by Serono Symposia, U.S.A., p 38, Newport Beach, CA, October 3-6, 1997.
 39. **Uzumcu M**, Mirando MA (1996). Differential phosphoinositide hydrolysis and prostaglandin $F_{2\alpha}$ responses of luminal epithelial, glandular epithelial and stromal cells from cyclic gilts to oxytocin. *Biology of Reproduction* 54 [Suppl 1]:120.
 40. Kulp SK, **Uzumcu M**, Sugimoto Y, Chang W, Rikihisa Y, Lin YC (1996). Characterization of a factor of larval tapeworm origin that alters steroid production by rat Leydig cells. *Biology of Reproduction* 54 [Suppl 1]:164.
 41. Carnahan KG, Prince BC, Ludwig TE, **Uzumcu M**, Mirando MA (1996). Does oxytocin up-regulate its own receptor in endometrium of pigs? *Journal of Animal Science* 74 [Suppl 1]:303.
 42. **Uzumcu M**, Brigstock DR, Lin YC (1994). Rat thymic epithelial cell culture conditioned medium (TCM) contains two distinct steroidogenic factors. *Biology of Reproduction* 50 [Suppl 1]:74.
 43. Coskun S, **Uzumcu M**, Lin YC, Friedman CI, Alak B (1994). Porcine cumulus cell steroidogenesis is regulated by oocytes. *Biology of Reproduction* 50 [Suppl. 1]:144.
 44. **Uzumcu M**, Lin YC (1994). Stimulatory actions of novel thymic factor(s) steroidogenesis in

- cultured rat granulosa cells. The 76th Annual Meeting of the Endocrine Society, Anaheim, CA, June 15-18, 1994.
45. Kulp S, **Uzumcu M**, Mushtaq M, Rikihisa Y, Lin YC, (1994). Inhibition of rat Sertoli cell function *in vitro* by a larval tapeworm excretory/secretory product. *FASEB J* 8:A576.
 46. **Uzumcu M**, Ohmura H, Chang CJG, Araki T, Lin YC (1993). Factor(s) in thymic cell culture conditioned medium (TCM) stimulate(s) steroidogenesis in cultured porcine granulosa cells. *FASEB J* 7:A20.
 47. Fehim EM, Lin YC, Golder JM, Bruggemeier RW, **Uzumcu M** (1993). Effect of an aromatase inhibitor on steroid hormone secretion in cultured rat granulosa cells (RGC). *FASEB J* 7:A617.
 48. Ghosh PK, **Uzumcu M**, York JP, Lin YC (1993). Effects of galanin on lactic acid and estradiol production by Sertoli cells isolated from immature rats. 75th Annual Meeting of the Endocrine Society, Las Vegas, Nevada, June 9-12, 1993.
 49. **Uzumcu M**, Lin YC (1992). Gossypol (GP) inhibits thymic factors (TF)-stimulated steroidogenesis in cultured rat granulosa cells (GC). *Biology of Reproduction* 46 [Suppl 1]:168.
 50. **Uzumcu M**, Lin YC (1991). Evidence for thymic factors (TF) in the regulation of steroidogenesis in cultured rat granulosa cells (RGC). 73rd Annual Meeting of the Endocrine Society, Washington, D.C., June 19-22, 1991.
 51. Moh PP, **Uzumcu M**, Chang GCJ, Hu YF, Brewer ML, Lin YC (1991). Effects of estrogen on covalent binding of gossypol to microsomal proteins in rats. *Biology of Reproduction* 45 [Suppl 1]:131.
 52. Ohmura H, **Uzumcu M**, Coskun S, Akira S, Chang WY, Lin YC. Transforming growth factor- β (TGF- β) stimulates progesterone (P4) production in cultured granulosa cells originated from gonadotropin (PMSG)-stimulated adult rats. ***“Molecular Basis of Reproductive Endocrinology,”*** sponsored by Serono Symposia, U.S.A., p 28, Vancouver, British Columbia, Canada, July 25-26, 1991.
 53. **Uzumcu M**, Lin YC (1990). Factor(s) from rat thymic cell culture conditioned medium stimulate(s) progesterone secretion in cultured rat granulosa cells. *Biology of Reproduction* 42 [Suppl 1]:163.

RESEARCH FUNDING:

External

1. Hatch; NJ06120; USDA – NIFA. *Endocrine-disrupting chemicals and female reproduction: Effects of DEHP and its replacement DiNP in the ovary*. September 02, 2016 – August 31, 2021 (PI: Uzumcu)
2. \$426,250; R21 ES026454-01A; NIH. Detrimental effects on female reproduction of *in utero* and neonatal exposure to common phthalates DEHP and its replacement DiNP. May 01, 2016 – April 30, 2018; (PI: Mehmet Uzumcu).
3. \$20,000; Multi-State NJ06250, USDA – NIFA. Ovarian influences on reproductive success in ruminants. September 06, 2013 – September 30, 2017. (PI: Mehmet Uzumcu) The purpose of this grant is to establish isolation of different stage follicles to study ovarian biology. The rat is being used as a model experimental animal.
4. \$193,750; Supplement for R21 ES017847; NIH. Epigenetic transgenerational effects of endocrine disruptors via female germ line. September 17, 2013 – July 31, 2014. (PI: Mehmet Uzumcu)

5. \$424,875; R21 ES017847; NIH. Epigenetic transgenerational effects of endocrine disruptors via female germ line. August 12, 2011 – July 31, 2013. (PI: Mehmet Uzumcu)
6. Hatch; NJ06111; USDA – NIFA. Epigenetic transgenerational effects of developmental endocrine disruptor exposure in the ovary. May 1, 2011 – April 30, 2016 (PI: Mehmet Uzumcu).
7. \$154,000; R56 ES017059; NIH. Epigenetic effects of developmental endocrine disruptor exposure in the ovary. September 01, 2010 – August 31, 2011. (PI: Mehmet Uzumcu) (Submitted, August 05, 2010).
8. \$40,000; Colgate Palmolive Grants for Alternative Research; Society of Toxicology. Monitoring Folliculogenesis in Ovary Organ Culture by Multiphoton Fluorescence Microscopy: An In Vitro Alternative for Testing Epigenetic Effects of Endocrine-Disrupting Chemicals. January 1, 2010 – December 31, 2010. (PI: Mehmet Uzumcu) (Submitted, October 8, 2009)
9. \$25,000; P30, ES05022, NIEHS Center. Epigenetic inheritance of effects of endocrine disruptor exposure via the female germ line. April 2009 – April 2010. (PI: Mehmet Uzumcu)
10. \$40,000; Colgate Palmolive Grants for Alternative Research; Society of Toxicology. Fetal/neonatal organ culture as an in vitro model for testing direct epigenetic effects of endocrine disruptors on ovarian development. January 1, 2009 – December 31, 2009. (PI: Mehmet Uzumcu)
11. \$390,827; R21 ES013854; NIH. Epigenetic effects of methoxychlor on ovarian development. January 01, 2006 – December 31, 2007; No cost extension for 2008. (PI: Mehmet Uzumcu)
12. \$20,000; P30, ES05022, NIEHS Center. Methoxychlor and early ovarian development. April 2004 – April 2005. (PI: Mehmet Uzumcu)

Intramural

1.
 - a. \$15,000; P30, ES05022, Pilot Project Award, Rutgers' NIEHS Center for Environmental Exposures and Diseases (CEED). Epigenetic reprogramming of PI3K signaling pathway in females after developmental endocrine-disrupting chemical exposure. July 01, 2015 – March 21, 2016, role: Co-PI; (PI: Aparna Zama). This award, which is the revision of the originally submitted project "Developmental effects of di-2-ethylhexyl phthalate (DEHP) on ovarian transcriptome" described below is to collect additional preliminary data for the resubmission of R21 ES026407.
 - b. \$15,000; P30, ES05022, Pilot Award, Rutgers' NIEHS Center (CEED). Developmental effects of di-2-ethylhexyl phthalate (DEHP) on ovarian transcriptome. July 01, 2015 – March 21, 2016, (PI: Mehmet Uzumcu). This award was made with the condition of revision to generate any preliminary data for resubmission of R21 ES026454, which did not require any preliminary data based on the Summary Statement and funded subsequently. Thus, the award was 'redirected' to the revised project with title "Epigenetic reprogramming of PI3K signaling pathway in females after developmental endocrine-disrupting chemical exposure" by Aparna Zama as the first Co-PI, listed above.
2. \$25,000; Rutgers - Charles and Johanna Busch Memorial Fund. Direct epigenetic effects of endocrine disruptors on the ovary. July 1, 2009 – May 1, 2011. (PI: Mehmet Uzumcu)
3. \$30,000; Hatch Award, NJAES. GFP ovary transplantation: A robust in vivo model to study direct effects of endocrine disruptors. July 1, 2008 – June 30, 2010. (PI: Mehmet Uzumcu)
4. \$5,000; Hatch Award; NJAES. Effects of environmental endocrine disruptors on the ovary and female fertility. July 1, 2007 – June 30, 2008. (PI: Mehmet Uzumcu)

5. \$19,350; Bridge funds from Rutgers, School of Environmental and Biological Sciences and NJAES Transcriptional profiling of MXC metabolite HPTE treated rat granulosa cells in culture. July 1, 2007 – June 30, 2008. (PI: Mehmet Uzumcu)
6. \$25,000; Rutgers - Charles and Johanna Busch Memorial Fund. Epigenetic effect of endocrine disruptor methoxychlor on the ovary. July 1, 2004 – May 1, 2006. (PI: Mehmet Uzumcu)

TEACHING EXPERIENCE (RUTGERS UNIVERSITY):

1. Reproductive and Developmental Toxicology, 11:067:491/591 (3 cr) (offered originally every other spring semester; now offered in every other fall semesters) Spring 2014 and Fall 2105, teach one lecture on Female Reproductive Toxicology; 6-7 undergraduate; 4-5 graduate students.
2. Laboratory Animal Practicum, 11:067:205 (offered every semester, including summer and winter); Fall 2008–Fall 2016, course supervisor, students complete 84 hours of work in a campus laboratory animal facility; 10-12 students/ fall and spring and 1-2 students in summer and winter semesters
3. Laboratory Animal Sciences: Management and Techniques, 11:067:275 (offered every spring semester); Spring 2008–present, course instructor, classroom and laboratory teaching, made major additions; 30-34 students/semester
4. Physiology of Reproduction, 16:340:502 (offered every other fall semester); Fall 2004–present, except Fall 2010; course coordinator, made major revisions, team-teach >50% of the course; 8-14 students/semester (not offered in Fall 2016, due low student registration)
5. Animal Microtechniques and Tissue Culture, 11:067:430 (offered every spring semester); Spring 2004–present, created and taught a module on embryo gonad dissection/culture and PCR, classroom and lab teaching; 40-45 students/semester in two sections
6. Animal Science, 11:067:142 (offered every semester); taught Porcine Production lecture, Fall 2003–Spring 2015, currently teach Laboratory Animals lecture starting Fall 2016 (one lecture); ~ 50 students for spring and >250 students fall semesters
7. General Toxicology II: Systems Toxicology, 16:963:562; Spring 2007 & 2008, taught Reproductive Toxicology (one week); 10-15 students/semester
8. Spring Semester Seminar (Coordinator), Graduate Program in Endocrinology and Animal Biosciences, 2006–2009, and 2015-2016 academic year.

TRAINEES:

Research Associates, Visiting Scientists, Research Assistant Professors

1. Elif Oruc, Ph.D.; 2011–2012; Current position: Associate Professor in Cukurova University, Adana, Turkey
2. Korhan Altunbas, DVM, Ph.D.; 2010–2011; Current position: Associate Professor in Afyon Kocatepe University, Afyonkarahisar, Turkey
3. Aparna Zama, Ph.D.; 2006–present
4. Peter Kuhn, Ph.D.; 2005–2006, Current position: Senior Scientist, Phytomedics, Inc. Jamesburg, NJ
5. Ming Yao, M.D., Ph.D.; 2004–2005, Current position: Research Associate, New Jersey Cancer Institute, New Brunswick, NJ

Graduate Students – Primary Advisor

1. Seher Yirtici; M.S. student; Graduate Program in Endocrinology and Animal Biosciences; Effects of estrogenic endocrine-disrupting chemicals in the ovary. 09/14–04/2017 (expected)
2. Arpita Bhurke; M.S. student; Graduate Program in Endocrinology and Animal Biosciences; Transgenerational effects of phthalates in the ovary. 11/12–10-14 (expected); PhD Student, University of Illinois at Urbana-Champaign.

3. Craig Harvey; Ph.D.; Joint Graduate Program in Toxicology; Effects of endocrine disruptor methoxychlor and its metabolite HPTE in the ovary. 1/07–5/12. Current position: Scientist at Colgate-Palmolive, Piscataway, NJ.
4. AnnMarie Armenti; M.S.; Graduate Program in Endocrinology and Animal Biosciences; Effects of fetal/neonatal exposure to methoxychlor on adult ovary and female fertility; 9/05–7/07; Current position: Research Support Specialist, Stony Brook University, Long Island, NY.
5. Jason Marano; Ph.D. student; Graduate Program in Endocrinology and Animal Biosciences; Direct and early effects of methoxychlor in the ovary. 9/05–resigned in 2009 (for attending Vet. School).

Graduate Students – Rotations

1. Jeanine D’Errico; M.S. Student; Graduate Program in Toxicology, 9/16–12/16.
2. Ali Al-Yasari; PhD Student; Graduate Program in Endocrinology and Animal Biosciences; 09/13–04/14.
3. Jess Verpeut; M.S. Student; Graduate Program in Endocrinology and Animal Biosciences; 9/10 - 12/10.
4. Meredith Camp; Ph.D. student; Graduate Program in Endocrinology and Animal Biosciences; 9/09–11/09.
5. Janis Coughlin; Ph.D. student; Joint Graduate Program in Toxicology, 6/09–9/09
6. Changqing Zhang; Ph.D. student; Graduate Program in Endocrinology and Animal Biosciences; 9/07–11/07.

Graduate Students – Member of Dissertation or Thesis Committee

1. Ashley George; Endocrinology and Animal Biosciences; Maternal Programming of the Neonatal Porcine Uterus; 02/15–present.
2. Jessica Fellmeth; Microbiology and Molecular Genetics; Aurora kinase C and its role in meiosis and fertility in females; 12/12–09/15
3. Kathleen Ferio; Endocrinology and Animal Biosciences; Effect of colostrum components on the development of male and female reproductive tract; 5/10–5/14.
4. Catina Crismale-Gann; Ph.D., Cell and Developmental Biology; Alcohol and breast cancer; 3/09–2013. Left the committee due to change in outside member requirement before defense.
5. Jedd Hillegass; Ph.D.; Joint Graduate Program in Toxicology; Effect of glucocorticoids on zebra fish development. 1/07–12/07.
6. Honfeng Wang; M.S.; Graduate Program in Agricultural and Life Sciences; Mississippi State University, Porcine embryogenesis and effects of mycotoxins in early pig development. 2/07–5/08.
7. Joseph C. Chen; Ph.D.; Endocrinology and Animal Biosciences; Regulation of porcine uterine programming. 9/05–9/10.
8. Brian Leibowitz; Ph.D.; Graduate Program in Animal Sciences; Role of IGFBP-3 in mammary gland epithelium. 9/03–5/08.
9. Mary Margiasso; M.S.; Graduate Program in Animal Sciences; Use of A Y maze to assess partner preference in female goats. 9/03–6/06.

Undergraduate Students with Independent Studies, George H. Cook Scholars with honors thesis research

1. Kiera Brennan, Effects of Developmental Exposure to Endocrine-Disrupting Chemicals in Rat Ovaries. September 2014–present, The George H. Cook Scholars Program, (Dr. Zama, Advisor)
2. Rebecca Joyce; Effects of developmental estrogenic endocrine-disrupting chemical exposures on rat uteri. September 2013-May 2015, The George H. Cook Scholars Program, (Dr. Zama, Advisor)
3. Calvin Leung; Transgenerational effects of methoxychlor via female germ line. The George H. Cook Scholars Program, 2010–2013 (Dr. Zama, Advisor).
4. Alexandra Locke; Effects of bisphenol-A in the ovary. The George H. Cook Scholars Program, 2012–2013
5. Apurva Tamhane; Epigenetic effects of methoxychlor and its metabolites in neonatal ovary organ culture. The George H. Cook Scholars Program, 2009–2010.
6. Justin George; Epigenetic analysis of promoter regions of *estrogen receptors (ER) α* and *β* genes in endocrine disruptor treated rats, *Research in Cell Biology and Neurosciences*; 146:407, 2009
7. Alison Caruana; Effect of MXC on DNA methylation in the ovary, The George H. Cook Scholars Program, 2008–2009.
8. Mahmoud Esmail; Effect of fetal alcohol exposure on oocyte quality and embryo development, The George H. Cook Scholars Program, 2007–2008; Rutgers University Biotechnology Summer Research Intern, 2006; Effect of HPTE and MXC on granulosa cell steroidogenesis, *Endocrine Society Summer Undergraduate Research Fellow*, 2006.
9. Lisa Passantino; Effect of developmental methoxychlor on superovulatory response in prepubertal animals, Rutgers University Biotechnology Summer Research Intern, 2006.
10. Megan Clayton; Direct effects of methoxychlor on the ovary, The George H. Cook Scholars Program, 2005–2006.
11. Babak Baseri; Immunolocalization of hepatocyte growth factor in the ovary, *Independent Studies in Biology*, 2005.
12. Yasser Motii; Effect of methoxychlor on anti-Mullerian hormone immunolocalization in the rat ovary, *Independent Studies in Biology*, 2005.

Undergraduate students supervised in the laboratory under various University programs (e.g., Research in Animal Sciences, Work-Study students, or hourly workers)

1. Kelsey Verdadero, September 2016–present
2. Shannon Barley, June 2016–present (Aresty Research Center Research Assistant, 2016-2017; Dr. Zama, Advisor)
3. Mirei Sakane, June 2016–present
4. Anthony Scaramia, June 2016–present
5. Audrey Ghanian, June 2016–present
6. Daniel Peled, June 2015–August 2016 (Aresty Research Center Summer Science Fellow, 2015 and NIEHS Center SURF - 2016)
7. Helaina Ghanem, September 2014–June 2016 (Aresty Research Center Research Assistant, 2014-2015; Dr. Zama, Advisor)
8. Kiera Brennan, September 2014–present (Aresty Research Center Research Assistant, 2014-2015; Dr. Zama, Advisor)

9. Juskaran Ahuja January–May 2015
10. Madeline Amberge, June 2014–June 2015 (Aresty Research Center Summer Science Fellow, 2014)
11. Rebecca Joyce, 2013–2015 (Aresty Research Center Research Assistant, 2013–2014; Dr. Zama, Advisor)
12. Li Ching Sheng, 2013–2016 (Aresty Research Center Summer Science Fellow, 2013)
13. Aiman Aslam, 2012–2013
14. Signe Cruz, 2012–2013
15. Srinayani Marpaka 2012–2013 (Aresty Research Center Research Assistant -2012–2013)
16. Alissa Aboff, 2011–2013 (Aresty Research Center Summer Science Fellow, 2011)
17. Erika Cruse, 2010–2011
18. Emilie Whitacre, 2009–2012
19. Apurva Tamhane, 2008–2010
20. Justin George, 2008–2010 (Aresty Research Center Summer Science Fellow, 2008)
21. Alison Caruana, 2007–2009
22. Robert Gesumaria, 2007–2010
23. Kai Yuan Tan, 2007–2007
24. Elisa Solovey, 2006–2007
25. Mahmoud Esmail, 2005–2008
26. Rebekah Nam, 2005–2008
27. Lisa Passantino, 2005–2007
28. Sophie Ogureck, 2005–2005
29. Shumaila Alam, 2005–2005
30. Babak Baseri, 2004–2005
31. Rajni Singh; 2004–2005 (Cook College General Honors Tutorial)
32. Heather Krasa 2004–2004
33. Sarah Welch, 2004–2004
34. Yaseer Motii, 2003–2005

Summer High School Research Student

- William Evenson, 2007, Pingry High School, Martinsville, New Jersey

UNDERGRADUATE ADVISING:

Academic advisor of 15-16 undergraduate students majoring in Animal Sciences

SERVICE:

National/International

Editorial Board Memberships:

Journal of Applied Toxicology, 2014–present; *Endocrinology*, 2013–present;

Toxicology and Applied Pharmacology, 2008–2012; *J. Endocrinology*, 2004–2011

Review Panel Memberships:

Ad hoc member, TaRGET-II Special Emphasis Panel, Nov 2015

Ad hoc member, Integrative & Clinical Endocrinology and Reproduction (ICER) Study Section, Feb 2015

Ad hoc reviewer for a proposal submitted to INSERM, France 2013 (1 application)

Member, Special Emphasis Panel “Transgenerational Effects from Environmental Exposures” Mar 2013.

Member, Special Emphasis Panel “Understanding Environmental Control of Epigenetic/Mechanisms” Mar, 2013.

Ad hoc member, ICER Study Section, Jun 2012

Member, Review Committees, NIEHS Research Consortium for 2-Year BPA Toxicity Study (U01), Feb 2011

Ad hoc reviewer, 3 applications, National Institute of Health, K Awards, 2011 & 2012

Ad hoc reviewer for proposal submitted to Foundation for Polish Science, Poland, 2010 (1 application)

Ad hoc reviewer, 1 application, National Science Foundation, 2010 & 2011

Ad hoc reviewer, 1 application, United States Department of Agriculture, 2006 & 2008

Ad hoc reviewer, 2 applications, United States Department of Agriculture, 2003 & 2004

Others:

Invited participant, session leader for breakout session, NICHD Vision meeting on *Environment*, 2011

Chair, mini-symposium “Effects and mechanisms of actions of environmental endocrine disruptors on reproduction.” The 41st Annual Meeting of the Society for the Study of Reproduction, Hawaii, May 27-30, 2008.

Member, Program Committee, Society for the Study of Reproduction, 2007

***Ad hoc* reviewer of manuscripts submitted to:** *Biology of Reproduction, Domestic Animal Endocrinology, Endocrinology, Environmental Health Perspectives, Experimental Biology and Medicine, Fertility and Sterility, J. Andrology, Journal of Applied Toxicology, J. Assisted Reproduction and Genetics, J. Endocrinology, J. Nutrition, J. Toxicology and Environmental Health, Molecular Human Reproduction, Reproduction, Reproductive Biology, Reproductive Toxicology, Toxicological Sciences, and Toxicology and Applied Pharmacology* (Total 6-8 manuscripts per year).

Rutgers University, School of Environmental and Biological Sciences

Member, Endocrine Faculty Search Committee, 2015-2016

Member, Grievance Committee, 2014–present

Reviewer (Internal), Hatch Grants (3 grants), 2008

Member, Biochemistry Task Force, 2007

Adjunct member, George H. Cook Honors Committee, 2005–2006

Member, Cook College Research Award Committee, 2004

**Rutgers University, Graduate Program in Endocrinology and Animal Biosciences
(formerly Graduate Program in Animal Science), Department of Animal Sciences, or
Graduate Program in Toxicology (Toxicology)**

Seminar Coordinator	2006–2009 and 2015–2016.
Member, Animal Sciences Peer Evaluation Committee (PEC)	2015-2016
Member, Promotion and Tenure or Reappointment Reading Committee	
William J. Belden (Promotion and Tenure)	2015
Troy A. Roepke (Reappointment)	2013
Andre Pietrzykowski (Reappointment)	2011, and 2012
Chair, Back-up Power Committee for Bartlett Hall – <i>Ad hoc</i>	2011-2012
Chair, Academic Standards Committee, Member,	September 2007–2011 September 2006–2007
Acting Chair, Admissions Committee, Member,	September 2005–January 2006 2003–2007 and 2016–present 2016–present (Toxicology)

Research Center, KFSH&RC, Riyadh, Saudi Arabia

Basic Research Committee, Member, 1999–2000

Animal Use and Care Committee, Member, 1998–2000

Ad hoc member, Working group for implementation of Research Center Strategic Plan goal # 8 (effective utilization of manpower, space, and equipment at Research Center), 1999

COMMUNITY INVOLVEMENT:

2011–2014	Member (founding) of Board of Trustees, Thomas Edison Energy Smart Charter School, Somerset, NJ, 08873
2007	Judge, The North Jersey Regional Science Fair
2006–2008	Teacher, Turkish Culture for Grade School Turkish-American Children, weekend school at Turkish American Community Center, Manalapan, NJ.
2005–2006	Director of Education at Turkish American Community Center, Manalapan, NJ. Coordinating weekend school activities.