

# Curriculum Vitae

**Name: Dennis B. Lubahn, Ph.D.**

## **Business Address**

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## **Education**

1969-1972	Port Huron High School,	Port Huron, Michigan,	Valedictorian
1972-1973	St. Clair Community College,	Port Huron, Michigan	
1973	University of Tampa,	Tampa, Florida	
1973-1976	University of South Florida,	Tampa, Florida	B.S. Clinical Chemistry
1976-1983	Duke University	Durham, North Carolina	Ph.D. Biochemistry

Advisor: Dr. Kenneth S. McCarty, Sr.

## **Professional Experience and Training**

1983-1986	Postdoctoral Fellow Department of Clinical Chemistry / Pathology N.C. Memorial Hospital / The University of North Carolina at Chapel Hill Chapel Hill, North Carolina Mentors: Drs. Robert E. Cross and John B. Graham
1986-1988	Mellon Postdoctoral Fellow The Laboratories for Reproductive Biology Department of Pediatrics The University of North Carolina at Chapel Hill Chapel Hill, North Carolina Mentors: Drs. Frank S. French and Elizabeth M. Wilson

1988-1992    Research Assistant Professor  
                  Departments of Pathology and Pediatrics  
                  and The Laboratories for Reproductive Biology  
                  The University of North Carolina at Chapel Hill  
                  Chapel Hill, North Carolina

1992-1994    Adjunct Associate Professor  
                  Departments of Pathology and Pediatrics  
                  and The Laboratories for Reproductive Biology  
                  The University of North Carolina at Chapel Hill  
                  Chapel Hill, North Carolina

1992-1994    Group Leader  
                  Glaxo Research Institute  
                  Cellular Biochemistry Department  
                  Research Triangle Park, NC

September 23, 1994 - present  
                  Associate Professor,  
                  Departments of Biochemistry and Child Health  
                  University of Missouri, Columbia, MO

### **Professional Awards and Fellowships**

1978-1980    National Research Service Award  
1985            Young Investigator Award - Academy of Clinical Laboratory  
                  Physicians and Scientists  
1987            Mellon Postdoctoral Fellowship  
1988            National Institutes of Health Postdoctoral Fellowship  
1989-1992    Pew Scholar in the Biomedical Sciences  
1999            MU Provost Outstanding Junior Faculty Research and Creativity Activity Award

### **Professional Societies**

American Association for Clinical Chemistry  
American Association for the Advancement of Science  
American Society of Human Genetics  
The Endocrine Society  
Sigma Xi Scientific Research Society

**SCIENTIFIC ACTIVITIES**  
**Research Publications (91)**

**Peer-Reviewed Research Articles:**

1. Sex steroid receptor analysis in human melanoma. McCarty KS Jr. Wortman J. Stowers S. Lubahn DB. McCarty KS Sr. Seigler HF. Cancer 46:1463-70, 1980.
2. Silver staining of histones in Triton-acid-urea gels. Mold DE. Weingart J. Assaraf J. Lubahn DB. Kelner DN. Shaw BR. McCarty KS Sr. Analytical Biochemistry 135:44-7, 1983.
3. A rapid silver-stain procedure for use with routine electrophoresis of cerebrospinal fluid on agarose gels. Lubahn DB. Silverman LM. Clinical Chemistry 30:1689-91, 1984.
4. Electrophoretic characterization of purified bovine, porcine, murine, rat, and human uterine estrogen receptors. Lubahn DB. McCarty KS Jr. McCarty KS Sr. Journal of Biological Chemistry 260:2515-26, 1985.
5. Purification and characterization of mouse uterine estrogen receptor under conditions of varying hormonal status. Horigome T. Golding TS. Quarmby VE. Lubahn DB. McCarty K Sr. Korach KS. Endocrinology 121:2099-111, 1987.
6. Population genetics of coagulant factor IX: frequencies of two DNA polymorphisms in five ethnic groups. Lubahn DB. Lord ST. Bosco J. Kirshtein J. Jeffries OJ. Parker N. Levtzow C. Silverman LM. Graham JB. American Journal of Human Genetics. 40:527-36, 1987.
7. The Malmo polymorphism of coagulation factor IX, an immunologic polymorphism due to dimorphism of residue 148 that is in linkage disequilibrium with two other F.IX polymorphisms. Graham JB. Lubahn DB. Lord ST. Kirshtein J. Nilsson IM. Wallmark A. Ljung R. Frazier LD. Ware JL. Lin SW. Stafford DW. Bosco J. American J. Human Genetics 42:573-80, 1988.
8. Cloning of human androgen receptor complementary DNA and localization to the X chromosome. Lubahn DB. Joseph DR. Sullivan PM. Willard HF. French FS. Wilson EM. Science 240:327-30, 1988.
9. The human androgen receptor: complementary deoxyribonucleic acid cloning, sequence analysis and gene expression in prostate. Lubahn DB. Joseph DR. Sar M. Tan J. Higgs HN. Larson RE. French FS. Wilson EM. Molecular Endocrinology 2:1265-75, 1988.
10. The rat androgen receptor: primary structure, autoregulation of its messenger ribonucleic acid, and immunocytochemical localization of the receptor protein. Tan JA. Joseph DR. Quarmby VE. Lubahn DB. Sar M. French FS. Wilson EM. Mol. Endocrin. 2:1276-85, 1988.
11. The production of antibodies against the conserved cysteine region of steroid receptors and their use in characterizing the avian progesterone receptor. Smith DF. Lubahn DB. McCormick DJ. Wilson EM. Toft DO. Endocrinology 122:2816-25, 1988.

12. Antibodies to steroid receptor deoxyribonucleic acid binding domains and their reactivity with the human glucocorticoid receptor. Wilson EM. Lubahn DB. French FS. Jewell CM. Cidlowski JA. *Molecular Endocrinology* 2:1018-26, 1988.
13. Deletion of the steroid-binding domain of the human androgen receptor gene in one family with complete androgen insensitivity syndrome: evidence for further genetic heterogeneity in this syndrome. Brown TR. Lubahn DB. Wilson EM. Joseph DR. French FS. Migeon CJ. *Proceedings National Academy of Sciences USA* 85:8151-5, 1988.
14. Structural analysis of the human and rat androgen receptors and expression in male reproductive tract tissues. Lubahn DB. Tan JA. Quarmby VE. Sar M. Joseph DR. French FS. Wilson EM. *Annals of the New York Academy of Sciences* 564:48-56, 1989.
15. Cortisol alters gene expression during involution of the rat ventral prostate. Rennie PS. Bowden JF. Freeman SN. Bruchovsky N. Cheng H. Lubahn DB. Wilson EM. French FS. Main L. *Molecular Endocrinology* 3:703-8, 1989.
16. Sequence of the intron/exon junctions of the coding region of the human androgen receptor gene and identification of a point mutation in a family with complete androgen insensitivity [published erratum appears in *PNAS* 87:4411, 1990]. Lubahn DB. Brown TR. Simental JA. Higgs HN. Migeon CJ. Wilson EM. French FS. *Proceedings of the National Academy of Sciences USA* 86:9534-8, 1989
17. Identification of androgen receptors in normal human osteoblast-like cells. Colvard DS. Eriksen EF. Keeting PE. Wilson EM. Lubahn DB. French FS. Riggs BL. Spelsberg TC. *Proceedings National Academy of Sciences of the United States of America* 86:854-7, 1989.
18. Androgen receptor locus on the human X chromosome: regional localization to Xq11-12 and description of a DNA polymorphism. Brown CJ. Goss SJ. Lubahn DB. Joseph DR. Wilson EM. French FS. Willard HF. *American Journal of Human Genetics* 44:264-9, 1989.
19. Immunohistochemical localization of the androgen receptor in rat and human tissues. Sar M. Lubahn DB. French FS. Wilson EM. *Endocrinology* 127:3180-6, 1990.
20. Functional characterization of naturally occurring mutant androgen receptors from subjects with complete androgen insensitivity. Brown TR. Lubahn DB. Wilson EM. French FS. Migeon CJ. Corden JL. *Molecular Endocrinology* 4:1759-72, 1990.
21. Expression and localization of androgen receptor in the R-3327 Dunning rat prostatic adenocarcinoma. Quarmby VE. Beckman WC Jr. Cooke DB. Lubahn DB. Joseph DR. Wilson EM. French FS. *Cancer Research* 50:735-9, 1990.
22. Autologous down-regulation of androgen receptor messenger ribonucleic acid. Quarmby VE. Yarbrough WG. Lubahn DB. French FS. Wilson EM. *Molecular Endocrinology* 4:22-8, 1990.

23. A steroid/thyroid hormone receptor superfamily member in *Drosophila melanogaster* that shares extensive sequence similarity with a mammalian homologue. Henrich VC. Sliter TJ. Lubahn DB. MacIntyre A. Gilbert LI. *Nucleic Acids Research* 18:4143-8, 1990.
24. A single base mutation in the androgen receptor gene causes androgen insensitivity in the testicular feminized rat. Yarbrough WG. Quarmby VE. Simental JA. Joseph DR. Sar M. Lubahn DB. Olsen KL. French FS. Wilson EM. *J. Biological Chemistry* 265:8893-900, 1990.
25. Novel antipeptide antibodies to the human glucocorticoid receptor: Recognition of multiple receptor forms in vitro and distinct localization of cytoplasmic and nuclear receptors. Cidlowski JA. Bellingham DL. Powell-Oliver FE. Lubahn DB. Sar M. *Molecular Endo.* 4:1427-37, 1990.
26. Expression of recombinant androgen receptor in cultured mammalian cells. Quarmby VE. Kempainen JA. Sar M. Lubahn DB. French FS. Wilson EM. *Molec. Endo.* 4:1399-407, 1990.
27. A frameshift mutation destabilizes androgen receptor messenger RNA in the Tfm mouse. Charest NJ. Zhou ZX. Lubahn DB. Olsen KL. Wilson EM. French FS. *Molecular Endocrinology.* 5:573-81, 1991.
28. Androgen receptor gene mutations in X-linked spinal and bulbar muscular atrophy. La Spada AR. Wilson EM. Lubahn DB. Harding AE. Fischbeck KH. *Nature* 352:77-9, 1991.
29. The androgen receptor gene is located on a highly conserved region of the X chromosomes of marsupial and monotreme as well as eutherian mammals. Spencer JA. Watson JM. Lubahn DB. Joseph DR. French FS. Wilson EM. Graves JA. *Journal of Heredity* 82:134-9, 1991.
30. An androgen-inducible expression system for *Saccharomyces cerevisiae*. Purvis IJ. Chotai D. Dykes CW. Lubahn DB. French FS. Wilson EM. Hobden AN. *Gene* 106:35-42, 1991.
31. Complete deletion of the androgen receptor gene: definition of the null phenotype of the androgen insensitivity syndrome and determination of carrier status. Quigley CA. Friedman KJ. Johnson A. Lafreniere RG. Silverman LM. Lubahn DB. Brown TR. Wilson EM. Willard HF. French FS. *Journal of Clinical Endocrinology & Metabolism* 74:927-33, 1992.
32. Complete androgen insensitivity due to deletion of exon C of the androgen receptor gene highlights the functional importance of the second zinc finger of the androgen receptor in vivo. Quigley CA. Evans BA Simental JA Marschke KB Sar M. Lubahn DB. Davies P. Hughes IA. Wilson EM. French FS. *Molecular Endocrinology* 6:1103-12, 1992.
33. Alteration of reproductive function but not prenatal sexual development after insertional disruption of the mouse estrogen receptor gene. Lubahn DB. Moyer JS. Golding TS. Couse JF. Korach KS. Smithies O. *Proceedings National Academy of Sciences USA* 90:11162-6, 1993.

34. Characterization of the DNA-binding domain of the mouse uterine estrogen receptor using site-specific polyclonal antibodies. Ikeda M. Ogata F. Curtis SW. Lubahn DB. French FS. Wilson EM. Korach KS. *Journal of Biological Chemistry* 268:10296-302, 1993.
35. 3-[4-(1,2-Diphenylbut-1-enyl)phenyl]acrylic acid: a non-steroidal estrogen with functional selectivity for bone over uterus in rats. Willson TM. Henke BR. Momtahan TM. Charifson PS. Batchelor KW. Lubahn DB. Moore LB. Oliver BB. Sauls HR. Triantafillou JA. Wolfe SG. *Journal of Medicinal Chemistry* 37:1550-2, 1994.
36. Estrogen resistance caused by a mutation in the estrogen-receptor gene in a man [see comments] [published erratum appears in *NEJM* 332:131, 1995]. Smith EP. Boyd J. Frank GR. Takahashi H. Cohen RM. Specker B. Williams TC. Lubahn DB. Korach KS. *New England Journal of Medicine* 331:1056-61, 1994.
37. Analysis of transcription and estrogen insensitivity in the female mouse after targeted disruption of the estrogen receptor gene. Couse JF. Curtis SW. Washburn TF. Lindzey J. Golding TS. Lubahn DB. Smithies O. Korach KS. *Molecular Endocrinology* 9:1441-54, 1995.
38. Technical tip on Repeat Expansion Detection. Leigh D. Lubahn DB. *Missouri - Molecular Biology Newsletter*, Summer 1996.
39. Morphometric study of the gubernaculum in male estrogen receptor mutant mice. Donaldson KM. Tong SY. Washburn T. Lubahn DB. Eddy EM. Hutson JM. Korach KS. *Journal of Andrology* 17:91-5, 1996.
40. Targeted disruption of the estrogen receptor gene in male mice causes alteration of spermatogenesis and infertility. Eddy EM. Washburn TF. Bunch DO. Goulding EH. Gladen BC. Lubahn DB. Korach KS. *Endocrinology* 137:4796-805, 1996.
41. Aggressive behaviors of transgenic estrogen-receptor knockout male mice. Ogawa S. Lubahn DB. Korach KS. Pfaff DW. *Annals New York Academy of Sciences*. 794:384-5, 1996.
42. Reversal of sex roles in genetic female mice by disruption of estrogen receptor gene. Ogawa S. Taylor JA. Lubahn DB. Korach KS. Pfaff DW. *Neuroendocrinology* 64:467-70, 1996.
43. Reproductive functions illustrating direct and indirect effects of genes on behavior. Ogawa S. Gordan JD. Taylor J. Lubahn DB. Korach K. Pfaff DW. *Hormones and Behavior* 30:487-494, 1996.
44. Behavioral effects of estrogen receptor gene disruption in male mice. Ogawa S. Lubahn DB. Korach KS. Pfaff DW. *Proceedings National Academy of Sciences USA*. 94:1476-81, 1997.
45. Estrogen receptors are essential for female sexual receptivity. Rissman EF. Early AH. Taylor JA. Korach KS. Lubahn DB. *Endocrinology*. 138:507-10, 1997.

46. Identification of DNA methylation markers for human breast carcinomas using the methylation-sensitive restriction fingerprinting technique. Huang TH. Laux DE. Hamlin BC. Tran P. Tran H. Lubahn DB. *Cancer Research* 57:1030-4, 1997.
47. Estrogen inhibits the vascular injury response in estrogen receptor alpha-deficient mice. Iafrati MD. Karas RH. Aronovitz M. Kim S. Sullivan TR Jr. Lubahn DB. O'Donnell TF Jr. Korach KS. Mendelsohn ME. *Nature Medicine* 3:545-8, 1997.
48. Vascular estrogen receptors and endothelium-derived nitric oxide production in the mouse aorta. Gender differences and effect of estrogen receptor gene disruption. Rubanyi GM. Freay AD. Kauser K. Sukovich D. Burton G. Lubahn DB. Couse JF. Curtis SW. Korach KS. *Journal of Clinical Investigation* 99:2429-2437, 1997.
49. Role of estrogen receptor-alpha in the anterior pituitary gland. Scully KM. Gleiberman AS. Lindzey J. Lubahn DB. Korach KS. Rosenfeld MG. *Molecular Endocrinology* 11:674-681, 1997.
50. Stromal estrogen receptors mediate mitogenic effects of estradiol on uterine epithelium. Cooke PS. Buchanan DL. Young P. Setiawan T. Brody J. Korach KS. Taylor J. Lubahn DB. Cunha GR. *Proceedings of the National Academy of Sciences USA*. 94:6535-40, 1997.
51. Estrogen receptor function as revealed by knockout studies - Neuroendocrine & behavioral aspects. Rissman EF. Wersinger SR. Taylor JA. Lubahn DB. *Hormones & Behavior* 31:232-43, 1997.
52. Estrogen receptor (-alpha and -beta) expression in the excurrent ducts of the adult male rat reproductive tract. Hess RA. Gist DH. Bunick D. Lubahn DB. Farrell A. Bahr J. Cooke PS. Greene GL. *Journal of Andrology* 18:602-611 1997.
53. Estrogen upregulates apolipoprotein E (apoE) gene expression by increasing apoE mRNA in the translating pool via an estrogen receptor alpha-mediated pathway. Srivastava RAK. Srivastava N. Aversa M. Lin RC. Korach KS. Lubahn DB. Schonfeld G. *Journal of Biological Chemistry* 272:33360-33366, 1997.
54. Responses in the brain of estrogen receptor-alpha-disrupted mice. Shughrue PJ. Lubahn DB. Negro-Vilar A. Korach KS. Merchenthaler I. *Proceedings of the National Academy of Sciences USA* 94:11008-11012, 1997.
55. Estrogen receptor dependent sexual differentiation of dopaminergic neurons in the preoptic region of the mouse. Simerly RB. Zee MC. Pendleton JW. Lubahn DB. Korach KS. *Proceedings of the National Academy of Sciences USA*. 94:14077-14082, 1997.
56. Masculine sexual behavior is disrupted in male and female mice lacking a functional estrogen receptor alpha gene. Wersinger SR. Sannen K. Villalba C. Lubahn DB. Rissman EF. Devries GJ. *Hormones & Behavior*. 32:176-183, 1997.

57. Estrogenic responses in estrogen receptor-alpha deficient mice reveal a novel estrogen signaling pathway. Das SK. Taylor JA. Korach KS. Paria BC. Dey SK. Lubahn DB. Proceedings of the National Academy of Sciences USA 94: 12786-12791, 1997.
58. A role for oestrogens in the male reproductive system. Hess RA. Bunick D. Lee KH. Bahr J. Taylor JA. Korach KS. Lubahn DB. Nature 390:509-512, 1997.
59. The role of estrogen receptors and androgen receptors in sex steroid regulation of B lymphopoiesis. Smithson G. Couse JF. Lubahn DB. Korach KS. Kincade PW. Journal of Immunology. 161: 27-34, 1998.
60. A polymorphic (CT)<sub>n</sub> microsatellite in an intron of the canine SA-hypertension gene. Liu PC. Shibuya H. Lubahn DB. Johnson GS. Animal Genetics 29:72 1998.
61. Length polymorphism in an CT-rich microsatellite in an intron of the canine tyrosinase-related protein-2 gene. Liu PC. Chen Y-W. Shibuya H. Katz ML. Lubahn DB. Johnson GS. Animal Genetics 29:327, 1998.
62. Modifications of testosterone dependent behaviors by estrogen receptor alpha gene disruption in male mice. Ogawa S. Washburn TF. Taylor J. Lubahn DB. Korach KS. Pfaff DW. Endocrinology. 139(12):5058-5069, 1998.
63. Roles of estrogen receptor alpha gene expression in reproduction-related behaviors in female mice. Ogawa S. Eng V. Taylor J. Lubahn DB. Korach KS. Pfaff DW. Endocrinology. 139(12):5070-5081, 1998.
64. Role of stromal and epithelial estrogen receptors in vaginal epithelial proliferation, stratification and cornification. Buchanan DL. Kurita T. Taylor JA. Lubahn DB. Cunha GR. Cooke PS. Endocrinology. 139(10):4345-4352, 1998.
65. Mechanism of estrogen action – Lessons from the estrogen receptor-alpha knockout mouse. Cooke PS. Buchanan DL. Lubahn DB. Cunha GR. Biology of Reproduction. 59:470-475, 1998
66. A polymorphic (GA)<sub>n</sub> microsatellite in an intron of the canine endothelin-B receptor gene. Liu PC. Chen Y-W. Shibuya H. Katz ML. Lubahn DB. Johnson GS. Animal Genetics 29:236, 1998.
67. A length polymorphism in an intron of the canine polycystic kidney disease 1 gene. Liu PC. Chen Y-W. Shibuya H. Lubahn DB. Johnson GS. Animal Genetics 29:322-323, 1998.
68. Length polymorphism in a CAG-rich coding region of the canine dentatorubro-pallidolusian atrophy (DRPLA) gene. Chen Y-W. Liu PC. Shibuya H. O'Brien DP. Lubahn DB. Johnson GS. Animal Genetics 29:241, 1998.
69. Transcription and translation of estrogen receptor-beta in the male reproductive tract of estrogen receptor-alpha knockout and wild type mice. Rosenfeld CS. Ganjam VK. Taylor JA. Yuan XH. Stiehr JR. Hardy MP. Lubahn DB. Endocrinology 139:2982-2987, 1998.

70. Methoxychlor stimulates estrogen-responsive mRNAs in mouse uterus through a non-ER-alpha and non-ER-beta mechanism. Ghosh D. Taylor JA. Green JA Lubahn DB. *Endocrinology*. 140(8):3526-33, 1999
71. Targeted disruption of the estrogen receptor-alpha gene in female mice: characterization of ovarian responses and phenotype in the adult. Schomberg DW. Couse JF. Mukherjee A. Lubahn DB. Sar M. Mayo KE. Korach KS. *Endocrinology*. 140(6):2733-44, 1999.
72. Uterine decidual response occurs in estrogen receptor-alpha-deficient mice. Paria BC. Tan J. Lubahn DB. Dey SK. Das SK. *Endocrinology*. 140(6):2704-10, 1999.
73. Cloning, sequencing, and localization of bovine estrogen receptor-beta within the ovarian follicle. Rosenfeld CS. Yuan X. Manikkam M. Calder MD. Garverick HA. Lubahn DB. *Biology of Reproduction*. 60(3):691-7, 1999.
74. Tissue compartment-specific estrogen receptor-alpha participation in the mouse uterine epithelial secretory response. Buchanan DL. Setiawan T. Lubahn DB. Taylor JA. Kurita T. Cunha GR. Cooke PS. *Endocrinology*. 140(1):484-91, 1999.
75. Estrogen receptor alpha is necessary in thymic development and estradiol-induced thymic alterations. Staples JE. Gasiewicz TA. Fiore NC. Lubahn DB. Korach KS. Silverstone AE. *Journal of Immunology*. 163(8):4168-74, 1999
76. Hypermethylation of the Wilms' tumor suppressor gene CpG island in human breast carcinomas. Laux DE. Curran EM. Welshons WV. Lubahn DB. Huang TH. *Breast Cancer Research & Treatment*. 56(1):35-43, 1999
77. Disproportional body growth in female estrogen receptor-alpha-inactivated mice. Vidal O. Lindberg M. Savendahl L. Lubahn DB. Ritzen EM. Gustafsson JA. Ohlsson C. *Biochemical & Biophysical Research Communications*. 265(2):569-71, 1999
78. Steroid feedback on gonadotropin release and pituitary gonadotropin subunit mRNA in mice lacking a functional estrogen receptor alpha. Wersinger SR. Haisenleder DJ. Lubahn DB. Rissman EF. *Endocrine*. 11(2):137-43, 1999
79. Morphologic changes in efferent ductules and epididymis in estrogen receptor-alpha knockout mice. Hess RA. Bunick D. Lubahn DB. Zhou Q. Bouma J. *Journal of Andrology*. 21(1):107-21, 2000
80. Gonadotropin induction of ovulation and corpus luteum formation in young estrogen receptor-alpha knockout mice. Rosenfeld CS. Murray AA. Simmer G. Hufford MG. Smith MF. Spears N. Lubahn DB. *Biology of Reproduction*. 62(3):599-605, 2000
81. Estrogen receptor specificity in the regulation of skeletal growth and maturation in male mice. Vidal O. Lindberg MK. Hollberg K. Baylink DJ. Andersson G. Lubahn DB. Mohan S.

Gustafsson JA. Ohlsson C. Proceedings of the National Academy of Sciences of the United States of America. 97(10):5474-9, 2000

82. . Myocardial ischemia-reperfusion injury in estrogen receptor-alpha knockout and wild-type mice. Zhai P. Eurell TE. Cooke PS. Lubahn DB. Gross DR American Journal of Physiology - Heart & Circulatory Physiology. 278(5):H1640-7, 2000

83. Decreased growth in angus steers with a short TG-microsatellite allele in the P1 promoter of the growth hormone receptor gene. Hale CS. Herring WO. Shibuya H. Lucy MC. Lubahn DB. Keisler DH. Johnson GS. Journal of Animal Science. 78(8):2099-104, 2000

84. Paracrine regulation of epithelial progesterone receptor by estradiol in the mouse female reproductive tract [published erratum in Biol Reprod 2000 Jul;63(1):354]. Kurita T. Lee KJ. Cooke PS. Taylor JA. Lubahn DB. Cunha GR. Biology of Reproduction. 62(4):821-30, 2000

85. Estrogen receptor alpha has a functional role in the mouse rete testis and efferent ductules. Lee KH. Hess RA. Bahr JM. Lubahn DB. Taylor J. Bunick D. Biology of Reproduction. 63(6):1873-1880, 2000

86. The differential fate of mesonephric tubular-derived efferent ductules in estrogen receptor-alpha knockout versus wild-type female mice. Rosenfeld CS. Cooke PS. Welsh TH. Simmer G. Hufford MG. Gustafsson JA. Hess RA. Lubahn DB. Endocrinology. 141(10):3792-3798, 2000

87. Centrosome-centriole abnormalities are markers for abnormal cell divisions and cancer in the transgenic adenocarcinoma mouse prostate (TRAMP) model. Schatten H. Wiedemeier AMD. Taylor M. Lubahn DB. Greenberg NM. Besch-Williford C. Rosenfeld CS. Day JK. Ripple M.. Biology of the Cell. 92(5):331-340, 2000

88. Increased adipose tissue in male and female estrogen receptor-alpha knockout mice. Heine PA. Taylor JA. Iwamoto GA. Lubahn DB. Cooke PS. Proceedings of the National Academy of Sciences of the United States of America. 97(23):12729-12734, 2000

89. Normal development of thymus in male and female mice requires estrogen/estrogen receptor-alpha signaling pathway. Yellayi S. Teuscher C. Woods JA. Welsh TH. Tung KSK. Nakai M. Rosenfeld CS. Lubahn DB. Cooke PS. Endocrine. 12(3):207-213, 2000

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91. Regulation of progesterone receptors and decidualization in uterine stroma of the estrogen receptor-alpha knockout mouse. Kurita T. Lee KJ. Saunders PTK. Cooke PS. Taylor JA. Lubahn DB. Zhao C. Makela S. Gustafsson JA. Dahiya R. Cunha GR. Biology of Reproduction. 64(1):272-283, 2001

**Submitted**

92. Cloning and characterization of estrogen receptor-negative, hormone-independent MCF-7 human breast cancer cell lines. Curran EM. Golomb M. Judy BM. Huang THM. Laux DE. Lubahn DB. and Welshons WV. Cancer Research *Submitted* 2001

93. Length polymorphisms in microsatellites associated with canine factors VIII and IX can identify carriers of hemophilias A and B. Stoy SJ. Shibuya H. Lubahn DB. Wagner LA. Issel-Tarver L. Ostrander EA. Brinkhous KM. Nichols TC. Brooks M. Johnson G. Animal Genetics *Submitted* 2001

94. Genistein fails to protect from DMBA-induced mammary tumors in wild-type and ERaKO mice. Day JK, Besch-Williford CL, Lubahn DB, MacDonald RS. Nutrition and Cancer *Submitted*, 2001

95. Xiaohui Yuan paper ???? *Submitted* 2001

**Reviews and Book Chapters:**

1. Oestrogen and progesterone receptors: Physiological and pathological considerations. McCarty KS Jr. Lubahn DB. McCarty KS Sr. Clinics in Endocrinology & Metabolism 12:133-54, 1983.

2. The androgen receptor. Lubahn DB. Tan JA. Quarmby VE. Sar M. Joseph DR. French FS. and Wilson EM. Serono Symposium: Perspectives in Andrology. Edited by M. Serio. 53 83-96 Raven Press, New York, 1989.

3. Molecular basis of androgen insensitivity. French FS. Lubahn DB. Brown TR. Simental JA. Quigley CA. Yarbrough WG. Tan JA. Sar M. Joseph DR. Evans BA. Hughes IA. Migeon CJ. Wilson EM. Recent Progress in Hormone Research 46:1-38, 1990.

4. Sequence analysis and biological expression of in vivo androgen receptor gene mutations. Lubahn DB. Quigley CA.. Simental JA. Hughes IA. Brown TR. Yarbrough WJ. Marschke KB. Evans BA. Sar MA. Tan JA. Migeon CJ. Wilson EM. and French FS. Serono Symposia Publications from Raven Press: Reproduction, Growth, and Development. Edited by A.Negro-Vilar and G. Perez-Palacios. 71:163-174. 1991.

5. Androgen regulation of HBGF-1 (alpha FGF) mRNA and characterization of the androgen receptor mRNA in the human prostate carcinoma cell line LNCaP/A-DEP. Harris SE. Harris MA. Rong Z. Hall J. Judge S. French F.S. Joseph DR. Lubahn DB. Simental JA. and Wilson EM. Molecular and Cellular Biology of Prostate Cancer. Edited by J. Karr, D.S. Coffey, R.G. Smith, and D.J. Tindall. 1992.

6. Androgen receptor defects: clinical and molecular features. Quigley CA. DeBellis A. Marschke KB. El-Awady MK. Lubahn DB. Wilson EM. and French FS. Proceedings of the

Novo-Nodisk International Symposium on Growth, South Pacific Region, Sydney from Harwood Academic Publishers: Growth and Sexual Development. (October 1992).

7. Estrogen receptor gene disruption: molecular characterization and experimental and clinical phenotypes. Korach KS. Couse JF. Curtis SW. Washburn TF. Lindzey J. Kimbro KS. Eddy EM. Migliaccio S. Snedeker SM. Lubahn DB. Schomberg DW. Smith EP. *Recent Progress in Hormone Research* 51:159-88, 1996.

8. Molecular characterization and resulting phenotypes from mouse estrogen receptor gene disruption. Korach, K. S., Couse, J. F., Curtis, S. W., Washburn, T. F., Lubahn, D. B., Eddy, E. M., Snedeker, S. M., Schomberg, D. W., In: Hughes I. A. (ed.), *Frontiers in Endocrinology, Sex Differentiation: Clinical and Biological Aspects*, Serona Symposium Publications, Rome, Italy, 115-124, 1996

9. Stromal-epithelial cell communications in the female reproductive tract. Cooke PS. Buchanan DL. Kurita T. Lubahn DB. Cunha GR. In *The Endocrinology of Pregnancy* FW Bazer (editor) Humana Press Inc., Totowa, NJ, 1997

10. Elucidation of a role of stromal steroid hormone receptors in mammary gland growth and development by tissue recombination studies. Cunha GR. Young P. Hom YK. Cooke PS. Taylor JA. Lubahn DB. *Journal of Mammary Gland Biology and Neoplasia* 2(4):393-402, 1997

11. Growth factors as mediators of stromal-epithelial interactions in steroid hormone target organs. Cunha GR. Hayward SW. Hom YK. Donjacour AA. Kurita K. Cooke PS. Lubahn DB. In: *Hormones and Growth Factors in Development and Neoplasia*. R. B. Dickson and D. S. Salomon (eds.) John Wiley and Son, New York, 1998

12. Estrogen receptor mutations. Taylor JA. Lewis KJ. Lubahn DB. *Molecular and Cellular Endocrinology* 145:61-66, 1998.

13. Cunha, G.R., Kurita, T., Cooke, P.S., Lubahn, D.B. Paracrine circuitry in hormonal regulation of female genital tract epithelia. In: *Cloned animal and Placentation*. R. M. Roberts, R. Yanagimachi, K. Takayoshi and K. Hashizume eds. Yokendo Ltd., Tokyo, pp. 86-92, 1999.

14. Estrogen receptor- and aromatase-deficient mice provide insight into estrogen action in the ovary and uterus. Rosenfeld CS. Roberts RM. Lubahn DB. *Molecular Reproduction and Development* *In press* 2001

15. Intraovarian actions of oestrogen. Rosenfeld CS. Wagner JS. Roberts RM. Lubahn DB. *Reproduction* *Submitted* 2001

## Invited Seminars and Meetings Attended While at Missouri

- 1994: Attended Endocrine Society Meeting, Anaheim (2 presentations)  
Attended American Society of Human Genetics Meeting, Montreal  
Presented seminar at Stanford University - Depts. of Gynecology and Obstetrics  
Presented seminar at University of Missouri - Columbia Biochemistry
- 1995: Attended Endocrine Society Meeting, Washington, D.C. (2 presentations)  
Presented seminar at University of Missouri - Columbia Animal Sciences  
Presented seminar at U. Illinois at Urbana-Champaign Dept. Vet. Biosciences  
Presented seminar at Pew Scholars Alumni Meeting - Puerto Rico  
Presented seminar at Conference on Humanizing Genetic Testing: Clinical Applications of New DNA Technologies – Columbia, Missouri  
Presented seminar at University of Missouri - Columbia Vet. Biomedical Sciences  
Presented seminar at University of Missouri - Columbia Genetics Area Program  
Presented seminar at Howard Hughes Summer Molecular Biology Laboratory  
Seminar for High School Teachers University of Missouri - Columbia  
Presented seminar at The University of Kansas Medical Center Physiology  
Presented seminar at Washington University School of Medicine OB / GYN  
Presented seminar at University of Missouri - Columbia Nutritional Sciences  
Presented seminar at University of Missouri - Columbia Reproductive Physiology
- 1996: Attended International Congress of Endocrinology, San Francisco (4 presentations; my laboratory had 2 poster presentations.)  
Presented seminar at University of Missouri - Columbia Child Health  
Presented seminar at U. Missouri - Columbia CAFNR Research Grants Workshop  
Presented seminar at University of Missouri - Columbia Genetics Area Program  
Presented seminar at Satellite Symposium of the 26th Annual Meeting of the Society for Neuroscience “Something Old / Something New: Single Gene Mutations, Gene Knock-Outs, and New Opportunities in Behavioral Neuroscience” Washington, DC  
Presented seminar at Grantee Meeting: Endocrine Disrupting Chemicals and Women’s Health Outcomes NIEHS, Research Triangle Park, NC  
Presented seminar at First Annual NOLA Workshop on Environmental Hormones New Orleans
- 1997: Attended Endocrine Society Meeting, Minneapolis ( 4 presentations; my laboratory had 1 oral presentation and 1 poster presentation.)  
Presented seminar at University of Missouri - Columbia Vet. Pathobiology  
Invited Symposium Speaker in Stockholm, Sweden 5th Joint Meeting of the European Society for Pediatric Endocrinologists, the Lawson Wilkins, Australian, Japanese, and Latin American Pediatric Endocrine Societies  
Presentation to Columbia Explorer Scout Post #233 on Genetic Research Today  
Presented seminar at University of Illinois-Champagne/Urbana  
Session Leader at University of Missouri - Columbia Animal Sciences - ASRC  
Graduate Studies Seminar

Attended NIEHS Conference “Estrogens in the Environment IV”

- 1998: Attended Endocrine Society Meeting, New Orleans (4 presentations; my laboratory had 1 oral presentation and 3 poster presentations.)  
Roundtable Discussion on the ethics of Cloning for the Honors College  
February 26, 1998 University of Missouri - Columbia  
Symposium Speaker in Amsterdam, The Netherlands. April 16, 1998  
- Sero Symposia “Genetics & Endocrine Basis of Gonadal Failure”  
Seminar at the Green Center at Southwestern University,  
Dallas, Texas March 20, 1998  
Chair Symposium on Lessons from Steroid Receptor Knockouts at  
Endocrine Society Meeting in New Orleans, 1998  
Speaker at the First Environmental Endocrine Disrupters Gordon Conference “Is  
there really an ER gamma?” Plymouth, NH July 12-17, 1998  
Discussion group leader at the Joint EPA and NIEHS Endocrine Disrupter Grantee  
Meeting at NIEHS in Research Triangle Park, NC October 7-9, 1998.  
Seminar at Sydney Children's Hospital and the Garvan Institute of  
Medical Research Sydney, Australia October 20, 1998  
Plenary Lecture at the Centre for Hormone Research Scientific  
Meeting in Melbourne, Australia October 22-24, 1998  
Seminar at University of Virginia,  
Charlottesville, Virginia November 20, 1998  
Lecture at the Symposium on Endocrine Disrupters  
for the Japanese Environment Agency in Kyoto, Japan Dec. 10-12, 1998
- 1999: Presented at Endocrine Society Meeting, June 11-15 - San Diego (3 presentations);  
Received Provost Award for Research for Junior Faculty September 29, 1999  
U. Missouri - Grants workshop “What to do if they say no” October 7, 1999  
New Faculty Orientation with President Pachecho in St. Louis Oct. 22-23
- 2000 Presented at Endocrine Society Meeting, Toronto (4 presentations)  
Invited to Puerto Vallarta Pew Scholar Meeting January 8-13.  
Seminar at Rockefeller University Population Council February 3, 2000  
“Is there an ER-gamma?”

## **PROFESSIONAL SERVICE**

### **Grant Peer-Review Activities**

Reviewer, US Army Breast Cancer Research Program -  
Endocrinology Peer Review Panel Member, 1995, 1996 and 1997

Ad hoc reviewer, NSF, 1995

Reviewer, Children's Miracle Network Telethon Grant  
February 1997

Reviewer, NIH Biochemical Endocrinology Study Section -  
Temporary Member - March 1997

Reviewer, Jeffress Trust, NCNB - March 1997

Reviewer, NIH-Child Health & Development Study Section Member -  
U54-RFA: Specialized Cooperative Centers Program in Reproductive Research  
July 23-25, 1997 and November 1997

Reviewer, USDA-Animal Reproductive Efficiency Program Study Section – Ad hoc.  
February 20, 1998

Invited to be a reviewer at the, NIH Biochemical Endocrinology Study Section -  
Temporary Member – June 1999

## Peer-Review of Manuscripts Submitted to Scientific Journals while at Missouri

Editorial Board, Endocrinology January 1993 - December 1996

- 1994:** Endocrinology (23 manuscripts reviewed)  
Molecular Pharmacology (1)  
Cancer Research (1)  
Endocrine Journal (1)  
Fertility & Sterility (1)
- 1995:** Endocrinology (17)
- 1996:** Endocrinology (8)  
Biochimica Et Biophysica Acta (1)  
Molecular Endocrinology (1)
- 1997:** Endocrinology (5)  
Molecular Carcinogenesis (1)  
Molecular Endocrinology (2)
- 1998:** Endocrinology (2)  
European Journal of Endocrinology (1)  
Hormone and Metabolic Research (1)  
Journal of Clinical Endocrinology and Metabolism (2)  
Proceedings of the National Academy of Sciences, USA (1)
- 1999:** Endocrinology (3)  
Journal of Clinical Endocrinology and Metabolism (2)  
Molecular and Cellular Endocrinology (5)  
Molecular Endocrinology (2)

## Advising and Training in Research At Missouri

Postdoctoral fellows:

Hisashi Shibuya	1996 - 1997
Debjani Ghosh	1997 - 1998
Ed Curran	1997 - 2000
Brian Morin	2000 - 2001

## Graduate student trainees:

Doug Laux	1995 - M.S. May 1998
Brian Philips	1996 - present
Scott Kimsey	1996 - 1997
Cheryl S. Rosenfeld	1996 - present
J. Kevin Day	1997 - present
Kendall Lewis	1997 - present
Xiaohui Yuan	1998 – present
Pete Ansell	1999 – present
Yi Zhuang	2001 – present
Wei Zhou	2001 - present

## Graduate student thesis committees:

I have been on the Master's or Doctoral Program Committees of a total of 13 graduate students in various departments. These students are listed below with their current status. Their major advisor and department are listed in parentheses.

Nicole Ferguson-Kohout,	1998, MS	(Roger Sunde in Biochemistry)
Kris Thayer,	current	(Fred VomSaal in Biological Sciences)
Po-Ching Liu,	1997, PhD	(Gary Johnson in Veterinary Pathobiology)
Susan Nagel,	1998, PhD	(Fred VomSaal in Biological Sciences)
Latisha Love,	current	(Charlotte Phillips in Biochemistry)
Tony Vomund,	current	(Charlotte Phillips in Biochemistry)
James MacLean,	2000, PhD	(Mike Roberts in Biochemistry)
Yi-Wen Chen,	1999, PhD	(Gary Johnson in Veterinary Pathobiology)
Shoji Ichikawa,	current	(Ching Wang in Biochemistry)
Patrick Ryan,	1999, MS	(Bill Trout in Animal Science)
Jun Liu	current	(Gary Weisman in Biochemistry)
Anyong Xie	current	(Bill Folk in Biochemistry)
Helen MacLean	1998, PhD	(Outside reader University of Melbourne, Australia)
Jianfeng Xu	current	(Charlotte Phillips in Biochemistry)
Brent Pfeifer	current	(Charlotte Phillips in Biochemistry)
Xiaodi Chen	current	(Mike Roberts in Animal Science)
Dorian Jones	MS, 2000	(Ruth MacDonald in Nutrition – Master's)
Sonia Houston	1998-2000	(Virginia Huxley in Physiology)
Zeming Jin	current	(Ruth MacDonald in Genetics Area Program)

## Medical and Veterinary student trainees:

Kim Prevallet, summer,	1997
David Leighr, summer	1997
Tracy Peckham, winter	1998
Kerri O'Keefe, winter	1998
Julie Smithson, winter	1998
Lisa Brennaman, summer	2000

## Graduate student rotations:

James MacLean	Biochemistry	Winter 1995
Doug Laux	Biochemistry	Fall 1995
Brian Philips	Biochemistry	Fall 1995
Scott Kimsey	Biochemistry	Fall 1995
Latisha Love	Genetics Area Program	Winter 1995/96
J. Kevin Day	Genetics Area Program	Fall 1996
Xiaohui Yuan	Biochemistry	Start Winter 1996 to Fall 1997
Jun Liu	Biochemistry	Fall 1997
Nellie Chuunga	Biochemistry	Winter 1997
Anyong Xie	Biochemistry	Winter 1997
Shoji Ichikawa	Biochemistry	Winter-Summer 1997
Olga Bolden	Animal Sciences (Co-Mentor w/ Bill Trout)	Summer 1997
Dorian Jones	Biochemistry	Fall 1997-Winter 1998
Zeming Jin	Genetics Area Program	Fall 1997-Winter 1998
Jermaine Jenkins	Biochemistry	Fall 1999
Pete Ansell	Biochemistry	Fall-Winter 1999-2000
Richard Akindele	Biochemistry PBS student rotation	Winter – Summer 2000.
Ann E. Newman	Genetics Area Program	- Spring 2000
Yi Zhuang	Biochemistry	Fall 2000
Wei Zhou	Biochemistry	Fall-Winter 2000-2001

**Undergraduate student trainees / Undergraduate technician trainees:**

*(I have trained over 100 Biochemistry and Biological Sciences majors in my laboratory.)*

David Leighr,	Howard Hughes Intern - 1995-1996.	Now in Vet school at UMC.
Marty Perry,	CAFNR Fellowship - 1995-1996.	Now a tech at Stowers Institute.
Scott Schultz,	1995-1996.	Now in Medical School at UMC.
Albert Lumpkins, Jr.	Xavier University NSF Intern Summer - 1995 and 1996	
Jennifer L'Hote,	Howard Hughes Intern - 1995-1997.	Now a technician at Monsanto.
Kim Prevallet,	CAFNR Fellowship - 1996 - 1997	Now in Medical School at UMC
Laura Williams,	Prairie View A&M University NSF Intern - Summer 1996	
Marla Trice,	Howard Hughes Summer EXPRESS 1996	
Ivy Lynch,	Howard Hughes Summer EXPRESS 1996	
Michelle Azu,	McNair Scholar - Fall 1996 - 1997 & Howard Hughes 1997-1998.	MU Med School
Levi Rice, Jr.,	University of Arkansas - Pine Bluff NSF Intern - Summer 1997	
Christina Harris,	Howard Hughes Summer EXPRESS 1997	
Ryan Hartman,	CAFNR Fellowship Fall 1996 to 1999.	
Demetrius Wyatt	Started Fall 1995. Left lab Summer 1996.	
Daniel Daily	Started Fall 1995. Left lab Summer 1996.	
Amber Stelling	Started Fall 1995. Left lab. end of Fall 1995.	
Amber Reed	Started Winter 1996. Left lab Fall 1996.	
Kim Wrigley	Started Fall 1995. Left lab. end of Fall 1995.	
Rachel Nevils	Started Winter 1996. Left lab Summer 1996.	
Jamon Simmons	Started Winter 1996. (EXPRESS Freshman Howard Hughes Program.) Left lab Summer 1996.	
Kim Prevallet	Started Winter 1996. Left Summer 1997 for Medical School.	
Amanda Paulus	Started Summer 1996 – January 2001. Conley scholar.	

Khadar Abdi Started Fall 1996 – present. Work study. McNair. Applying Grad Schools  
 Erin Stevens Started Fall 1996. Work study. Left lab May 1997.  
 Julie Caffrey Started Fall 1996. Conley scholar. Left lab December 1997.  
 Julie Shern Kardis, JD Started Fall 1996. Left June 1997 to be a patent attorney.  
 Eric Johnson Started Fall 1996. Left lab winter 1997.  
 Geoff Custer Started Winter 1997. Left lab May 1997.  
 Lisa Witt (Brenneman) Started Winter 1997. Conley Scholar/Howard Hughes. MU Med School  
 Beth Weisz Started Winter 1997. Left lab May 1997.  
 Shannon Carpenter Started Winter 1997. Left lab May 1997.  
 Nicholas Miller Started and left Winter 1997.  
 Angie Curt Started Summer 1997 - 1999. Sales at Merck  
 Stephanie Gibson Started Summer 1997. Left lab February 1998.  
 Christina Harris Started Summer 1997 - 1998  
 Mark Miller Started Fall 1997. Left lab in December 1997.  
 Elizabeth Amend Started Fall 1997 - 1998.  
 Martha Hufford Started Fall 1997 – Became Research Specialist. Left lab in August 2000.  
 Mark Gorelik Started Fall 1997 – August 1999  
 Gretchen Simmer Started Fall 1997 – 1999. Now working as a tech for Mark Martin.  
 Jack Borrok Started Winter 1998 - 1999  
 Sommer White Started Winter 1998. Left lab May 1998.  
 Jon Easterwood Started Winter 1998 – November 2000  
 Sonja Palmer Started Winter 1998 - 2000  
 Bryan Burns Started Winter 1998 - 2000  
 Tim McMann Started Winter 1998 – Summer 2000. Dental school.  
 Yohan Peck Started Winter 1998.  
 Leslie White/Mallott Started Winter 1998 - 1999  
 Ann Newman Started Summer 1998. NSF Summer Intern.  
 Paula Whitehead (Boettler) Started Summer 1998. Howard Hughes Summer Express. McNair  
 Ingrid Palmer Started Summer 1998 – August 2000  
 Emilie Reisenbichler Started Summer 1998 -2000. CAFNR fellow  
 Sybil Williams Started Fall 1999 - 2000.  
 Vedika Nehra Fall 1998 – Present. CAFNR fellow. Fall 2000 and Winter 2001  
 Bryan Burns Started Winter 1998 – October 1999  
 Mickey Curran Started summer 1998 - 1999  
 Jason Brunton September 1998 – May 1999  
 Shelly Pasternak September 1998 – May 1999  
 Keith Rauch September 1998 – May 1999  
 Brian Swierczek September 1998 – September 1999  
 Steve Adams Work study. Fall 1998 – July 1999  
 Jennifer Heidt Fall 1998 – Spring 1999  
 Kevin Clary December 1998 – September 1999. Accepted to Medical Schools  
 George Stevenson December 1998 – September 1999  
 Nick Vernetti December 1998 – Present  
 Amanda Little Winter 1999 – September 1999  
 Jennifer Gibbons January 1999 – January 2001  
 Kim Jordan January 1999 – Present  
 Tony Saporita January 1999 - Present

Judy Lundberg	July 1999 – Present
Angela DeMeo	August 1999 – Present
Andy Bauer	Fall 1999 – Present. CAFNR fellow. Summer 2000
Ali Abtahi	September 1999 – December 1999, work study
Amanda Brown	September 1999 – December 1999
Nicole Dyel	September 1999 – January 2000
Brad Thompson	September 1999 – Present
Sybil Williams	September 1999 – December 1999, work study
Karrie Milam	Fall 1999 – Spring 2000
Sarah Thomas	Fall 1999 – December 1999
David Wax	Fall 1999 – December 1999
Vineesha Arelli	December 1999 – May 2000
Fred Black	December 1999 – Spring 2000
Susanna Curran	December 1999 – 2000
Rachel Newton	Just over the Christmas 1999 holidays.
Peter Crites	January 2000 – Present
Sarah Lowrey	January 2000 – Spring 2000
Leslie Newton	January 2000 – June 2000. Now a Research Specialist in my lab.
Stephanie Crooks	February 2000 – Spring 2000
Andy Linsenhardt	April 2000 – Present
Kara Forsee	May 2000 – Present
Cammie Aikens	May 2000 – December 2000
Andrew Ballage	May 2000 – December 2000
David Dusek	Summer 2000 – January 2001
Kolleen Orphe	Summer 2000 NSF intern
John Gleeson	September 2000 – Present
Julia Kopeikina	September 2000 – January 2001
Mary Olomon	September 2000 - Present
Lucas Bradley	November 2000 – January 2001
Teresa Elliott	January 2001 –
Michelle Anderson	February 2001 –
Claudia Espinosa-Nicolas	February 2001 -

## SERVICE AND COMMITTEE RESPONSIBILITIES AT MISSOURI

- |   |                 |
|---|-----------------|
| 1. Biochemistry Medical Education Committee   | 1995 - 1998     |
| 2. Biochemistry Social Committee  | 1995 - present  |
| 3. Admissions Committee - Genetics Area Program   | 1996 - 1997     |
| 4. Search Committee for Two Transgenic Faculty positions in<br>Veterinary Pathobiology/Animal Science.                            | 1996-1998       |
| 5. Organizer of the “Hot Topics in Human Molecular Genetics”<br>Journal Club  | 1995 - present  |
| 6. Organizer of the “Steroid Endocrinology” Journal Club  | 1995 - present  |
| 7. Judge Student Research Day in Medical School   | April 10, 1996  |
| 8. Biochemistry Graduate Student Recruitment at the 212th American<br>Chemical Society Meeting - Graduate School Fair in Orlando, | August 25, 1996 |

	Dennis B. Lubahn, Ph.D.
9. Preprofessional or Conley Scholars Program Committee	1997-present
10. Biochemistry Admissions Committee	1997-1998
11. Chair, Biochemistry Graduate Admissions Committee	1998 – present
12. Ex-Officio Member, Biochemistry Graduate Education Committee	1998 – present
13. Search committee for Four Reproductive Biology Mission Enhancement Faculty Positions	2000-present

## **ACTIVE SUPPORT**

DAMD 17-98-1-8529 (Dennis Lubahn, PI) Army Prostate Cancer Program Idea Do Soy Isoflavones Provide Protection Against Prostate Cancer Via a Classical Estrogen Receptor-alpha (ERa) Independent Mechanism?	7/01/98-12/31/00 \$125,000 per year direct	15% effort
IPO1-ES 10535 (Dennis Lubahn, PI and Center Director) NIH-RFA Botanicals Center MU Center for Phytonutrient and Phytochemical Studies	3/01/00-2/28/05 \$5,701,021 total	40% effort
Collaboration w/ UI, MU & Purdue (Elizabeth Jeffery, PI University of IL) USDA-IAFAS (Ruth MacDonald, local PI) Component interactions for efficacy of functional foods	10/30/2000 to 8/31/2004. 5% effort \$2,100,000 (\$384,002 to MU)	
PI P20 CA86290-01 (Wynn Volkert, PI) NIH, NCI. Center for Single Photo-Emitting Cancer Imaging Agents Sub-project: Combinatorial Approach to Identification of Prostate Tumor Avid Peptides for Cancer Radioimaging	10/1/00-4/1/03 \$887,237 Total direct	5% effort
(Ruth MacDonald, PI) Project #FEFC0250 American Institute for Cancer Research Influence of Phytoestrogens and Estrogens on Colon Cancer in Estrogen Receptor-alpha and -beta Knockout Mice	2/1/01-12/31/02 \$165,000	3% effort
Older support		
R01-ES08272 (Dennis Lubahn, PI) RFA/NIEHS “Environmental Estrogen Receptors in ER-minus Mice” The major goal is to characterize a non-ER protein, the putative “methoxychlor receptor”.	07/01/96-06/30/99 \$100,000 direct costs per year	10% effort
DAMD 17-96-1-6055 (Dennis Lubahn, PI) Army Breast Cancer Program IDEA “Estrogen Effects on Breast Tumor Growth in Estrogen Receptor-Minus Mice” This pilot grant is to help elucidate the potential effects of estrogen in human breast cancer, which are not mediated through the classical estrogen receptor gene. An ER-minus, nude mouse will be bred to examine estrogen’s <i>in vivo</i> growth effects on ER-minus breast tumor cell lines.	07/01/96-06/30/00 \$51,370 direct costs per year	10% effort
R825295 (Dennis Lubahn, PI) Grants for Research/EPA “Methoxychlor and Environmental “Estrogen” Receptors in ER-minus Mice” Cloning of the putative “methoxychlor receptor”.	02/01/97-01/31/99 \$54,892 direct first year \$75,245 second	10% effort
DAMD17-97-1-7171 (Dennis Lubahn, PI) Army Breast Cancer Program IDEA “Breast Cancer Associated Estrogen Receptors: Catechol Estrogen Receptors in ER-Minus Mice”	09/1/97-8/30/00 \$68,493 direct costs per year	20% effort

Cloning and characterization of the putative "catechol estrogen receptor".

R01 ES08293 (Fred vom Saal, PI) 07/01/96-06/30/00 5% effort  
RFA/NIEHS \$100,000 direct costs per year  
"Effects of endocrine disrupters on offspring"

The major goal is to study the effects of estrogenic environmental pesticides in adult mammals after *in utero* exposure. We will use the ER-minus mice to assess the effects of fetal exposure to weak environmental estrogens.

Army Prostate Cancer grant (Dennis Lubahn, PI) 7/01/98-12/31/00 15% effort  
\$125,000 per year direct

Utilizes TRAMP/ER $\alpha$ KO mice to study effects of soy phytoestrogens on prostate cancer. No studies on DNA methylation are included in this study and thus it does not overlap except for providing tissues for the first year of the proposed study. No funds are requested for these tissue isolations during the first year..