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EDUCATION:

- 1981 Ph. D., Department of Biostatistics, University of North Carolina at Chapel Hill.
- 1977 B. S. in Applied Mathematics with High Honor, Georgia Institute of Technology.

HONORS:

- 2017 NIH Merit Award (group) “for exceptional efforts to rapidly review data and issue a report of partial findings from the NTP Radio-Frequency Radiation Studies.
- 2016 Special Act Award (group) for service as a member of the NIEHS Animal Care and Use Committee.
- 2015 Special Act Award (individual) for service as a member of the NIEHS Animal Care and Use Committee.
- 2015 Special Act Award (group) for contribution to NTP’s response to the Elk River spill.
- 2014 NIH Merit Award (group) for “sustained efforts and impactful contributions in assessing adverse health effects of exposure to inorganic arsenic”.
- 2014 Special Act Award (group) for service as a member of the NIEHS Animal Care and Use Committee.
- 2013 NIH Merit Award (individual) for “her outstanding support to the NIEHS Animal Care and Use Committee, Animal Care Program, and Scientists”.
- 2011 Elected Fellow of the American Statistical Association.
- 2011 NIH Merit Award (group) for “diligent attention, cooperative contribution of expertise, and investment of time beyond normal duties for the establishment of reproductive database capabilities for the National Toxicology Program”.
- 2011 NIH Merit Award (group) for “exceptional performance in initiation, implementation, and management of the Pulse (Organizational Climate) Survey and development of action plans to enhance work-life quality across the NIEHS Community”.

- 2008 NIEHS Unsung Hero Award.
- 2007 NIH Merit Award (group) for “highly significant scientific and technical contributions to the analysis and reporting of the NTP studies of sodium dichromate dihydrate, a ‘hexavalent chromium’ compound”.
- 1999 Finalist for a Senior University Teaching Excellence Award.
- 1977-1980 Graduate fellowship on a National Research Service Award.

Membership in the following honor societies:

Phi Eta Sigma, 1974; Phi Kappa Phi, 1976; Pi Mu Epsilon, 1977; Tau Beta Sigma, 1974; Sigma Xi, 1984.

**PROFESSIONAL
EXPERIENCE:**

- 2003-present Staff Scientist, Biostatistics Branch, National Institute of Environmental Health Sciences and Chief Statistician for the National Toxicology Program.
- 1986-2003 Professor (1999-2003), Associate Professor (1990-1999), Assistant Professor (1986-1990), Statistics Coordinator, 1998-2000, 2002-2003 Department of Mathematical Sciences, Division of Statistics, University of North Carolina at Greensboro.
- 2000-2001 Interim Head, Department of Mathematical Sciences, University of North Carolina at Greensboro.
- 2001-2003 Adjunct Professor, Department of Public Health Education, University of North Carolina at Greensboro.
- 1996-2002 Adjunct Associate Professor, Department of Anthropology, University of New Mexico.
- 1992-2002 Adjunct Associate Professor, Department of Biostatistics, University of North Carolina at Chapel Hill.
- 1990 Visiting Associate Professor, Division of Biostatistics and Epidemiology, Howard University Cancer Center.
- 1981-1986 Assistant Professor, Department of Biometry and Genetics, Louisiana State University Medical Center, New Orleans.
- 1980 Health Statistician, National Institute for Occupational Safety and Health.

**PROFESSIONAL
ACTIVITIES:**

2004-present	Contract Officer's Representative (COR)/COTR/Project Officer, NIEHS and NTP Statistical Support contracts
2004-present	Instructor/Mentor, Biostatistics Short Course for NIEHS/DIR.
2004-2010	Member, NIEHS/NTP Scientific Review Group (formerly Review Group 1) for the <i>Report on Carcinogens</i> .
2008-present	Member, Clinical Advisory Committee, NIEHS/DIR.
2011-present	Statistical Consultant and Member, NIEHS Animal Care and Use Committee.
2011	Member, Canine Lifetime Health Project Toxicology Expert Panel, Morris Animal Foundation
2011	External Peer Reviewer for EPA of study reports on nickel sulfate hexahydrate
2012	External Peer Reviewer for EPA of study reports on ethyl tertiary butyl ether (ETBE)
2005-2007	Editorial Board member of the <i>Journal of the National Medical Association</i> .
2012-present	Editorial Board member of <i>Toxicologic Pathology</i> .
Referee for:	<i>Journal of the American Statistical Association, The American Statistician, Archives of Pathology and Laboratory Medicine, Journal of the American Medical Association, Journal of the National Medical Association, Journal of Counseling and Development, Journal of Statistical Education, Environmental Health Perspectives, Regulatory Toxicology and Pharmacology, Human and Experimental Toxicology, American Journal of Epidemiology, Comparative Medicine, Food and Chemical Toxicology, BMC Cancer, Toxicologic Pathology, Environmental and Molecular Mutagenesis, Environmental Science and Technology, Journal of the American Veterinary Medical Association, PLoS One, Journal of Intercultural Ethnopharmacology, Drug Design Development and Therapy, Phytomedicine, Journal of Ethnopharmacology, Physiology and Behavior, Science of the Total Environment, Sultan Qaboos University Medical Journal, Research Integrity and Peer Review, Current Pharmaceutical Analysis, Journal of Dermatology and Clinical Research.</i>

REFEREED PUBLICATIONS

2017

Cora MC, Gwinn W, Wilson R, King D, Waidyanatha S, **Kissling GE**, Brar D, Olivera D, Blystone C, Travlos G. A black cohosh extract causes hematological and biochemical changes consistent with a functional cobalamin deficiency in female B6C3F1/N mice. *Toxicologic Pathology* 2016; in press.

Ogburn RN, Randall TA, Xu Y, Roberts JH, Mebrahtu B, Karnuta JM, Rider SD, **Kissling GE**, London RE, Pomés A, Arlian L, Fitzgerald MC, Mueller GA. Are dust mite allergens more abundant and/or more stable than other *Dermatophagoides pteronyssinus* proteins? *Journal of Allergy and Clinical Immunology* 2017; 139:1030-1032.

Resnik DB, Konecny B, **Kissling GE**. Conflict of interest and funding disclosure policies of environmental, occupational, and public health journals. *Journal of Occupational and Environmental Medicine* 2017; 59:28-33.

Ryan KR, Cesta MF, Herbert R, Brix A, Cora M, Witt K, **Kissling GE**, Morgan DL. Comparative pulmonary toxicity of inhaled metalworking fluids in rats and mice. *Toxicology and Industrial Health* 2017; 33:385-405.

Ungewitter E, Rotgers E, Bantukul T, Brown P, Kawakami Y, **Kissling GE**, Yao HH-C. Teratological effects of in utero exposure to di-(2-ethylhexyl)-phthalate (DEHP) in C57BL/6 mice. *Toxicological Sciences* 2017; 157:8-19.

2016

Blankenship-Paris TL, Dutton J, Goulding DR, McGee C, **Kissling GE**, Myers PH. Evaluation of buprenorphine hydrochloride Pluronic® Gel formulation in male C57BL/6NCrl mice. *Laboratory Animal* 2016; 45:370-379.

Castro L, Gao X, Moore AB, Yu L, Di X, **Kissling GE**, Dixon D. A high concentration of Genistein induces cell death in human uterine leiomyoma cells. *Expert Opinion on Environmental Biology* 2016; 5: Supplement 1.

Catlin NR, Herbert R, Janardhan K, Hejtmancik MR, Fomboy LM, Vallant M, Waidyanatha S, **Kissling GE**, Devito M. Dose-response assessment of the dermal toxicity of Virginia Cedarwood Oil in F344/N rats and B6C3F1/N mice. *Food and Chemical Toxicology* 2016; 98:159-168.

Churchill SR, Morgan DL, **Kissling GE**, Travlos GS, King-Herbert AP. Impact of environmental enrichment devices on NTP in vivo studies. *Toxicologic Pathology* 2016; 44:233-245.

Frawley R, Smith MJ, White KL, Elmore S, Herbert R, Moore R, Staska LM, Behl M, Hooth MJ, **Kissling GE**, Germolec DR. Immunotoxic effects of sodium tungstate dehydrate on female B6C3F1/N mice when administered in drinking water. *Journal of Immunotoxicology* 2016; 13:666-675.

Mozzachio K, Moore AB, **Kissling GE**, Dixon D. Immunoexpression of steroid hormone receptors and proliferation markers in uterine leiomyoma and normal myometrial tissues from the miniature pig, *Sus scrofa*. *Toxicologic Pathology* 2016; 44:450-457.

Resnik DB, Tyler AM, Black JR, **Kissling GE**. Authorship policies of scientific journals. *Journal of Medical Ethics* 2016; 42:199-202.

Resnik DB, Ariansen JL, Jamal J, **Kissling GE**. Institutional conflict of interest policies of U.S.

academic institutions. *Academic Medicine* 2016; 91:242-246.

Rider CV, Chan PC, Herbert RA, **Kissling GE**, Fomby LM, Hejtmancik MR, Witt K, Travlos G, Hatch GE, Kadiiska MB. Dermal exposure to cumene hydroperoxide: Assessing its toxic relevance and oxidant potential. *Toxicologic Pathology* 2016; 44:749-762.

Roberts GK, Waidyanatha S, **Kissling GE**, Fletcher BL, Silinski MAR, Fennell TR, Cunny HC, Robinson VG, Blystone CR. Exposure to butyl paraben during gestation and lactation in Harlan Sprague Dawley rats via dosed feed. *Toxicology Reports* 2016; 3:774-783.

Rodriguez K, Ungewitter E, Crespo Y, Liu C, Nicol B, **Kissling GE**, Yao HH-C. Effects of *in utero* exposure to arsenic during the second half of gestation on reproductive end points and metabolic parameters in female CD-1 mice. *Environmental Health Perspectives* 2016; 124:336-343.

Sanders JM, Coulter SJ, Knudsen GA, Dunnick JK, **Kissling GE**, Birnbaum LS. Disruption of estrogen homeostasis as a mechanism for uterine toxicity of Wistar Han rats treated with tetrabromobisphenol A. *Toxicology and Applied Pharmacology* 2016; 298:31-39.

Stanko JP, **Kissling GE**, Chappell VA, Fenton SE. Differences in the rate of *in situ* mammary gland development and other developmental endpoints in three strains of rat commonly used in mammary carcinogenesis studies: Implications for timing of carcinogen exposure. *Toxicologic Pathology* 2016; 44:1021-1033.

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Willson CJ, Flake GP, Sills RC, **Kissling GE**, Cesta MF. Immunohistochemical expression of cyclin D1, cytokeratin 20, and uroplakin III in proliferative urinary bladder lesions induced by o-nitroanisole in F344 rats. *Veterinary Pathology* 2016; 53:682-690.

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Yu L, Ham K, Gao X, Castro L, Yan Y, **Kissling GE**, Tucker CJ, Flagler N, Dong R, Archer TK, Dixon D. Epigenetic regulation of transcription factor promoter regions by low-dose genistein through mitogen-activated protein kinase and mitogen-and-stress activated kinase 1 nongenomic signaling. *Cell Communication and Signaling* 2016; 14:18.

2015

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Thayer KA, Doerge DR, Hunt D, Schurman SH, Twaddle NC, Churchwell MI, Garantziotis S, **Kissling GE**, Easterling MR, Bucher JR, Birnbaum LS. Pharmacokinetics of bisphenol A in humans following a single oral administration. *Environment International* 2015; 83:107-115.

Yucesoy B, **Kissling GE**, Johnson VJ, Lummus ZL, Fluharty K, Gautrin D, Cartier A, Boulet L-P, Sastre J, Quirce S, Tarlo SM, Cruz M-J, Munoz X, Luster MI, Bernstein DI. N-acetyltransferase-2 genotypes are associated with diisocyanate-induced asthma. *Journal of Occupational and Environmental Medicine* 2015; 57:1331-1336.

2014

Brodie B, Pokharel Y, Garg A, **Kissling G**, Hansen C, Milks S, Cooper M, McAlhany C, Stuckey T. Very late hazard with stenting versus balloon angioplasty for ST-elevation myocardial infarction: a 16-year single-center experience. *Journal of Interventional Cardiology* 2014; 27:21-28.

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Jayes FL, Burns KA, Rodriguez KF, **Kissling GE**, Korach KS. The naturally occurring luteinizing hormone surge is diminished in mice lacking estrogen receptor beta in the ovary. *Biology of Reproduction* 2014; 90:24.

Livingston DP, Tuong TD, **Kissling G**, Cullen JM. Visualizing surface area and volumes of lumens in 3 dimensions using images from histological sections. *Journal of Microscopy* 2014; 256:190-196.

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2013

Cora MC, Neel JA, Grindem CB, **Kissling GE**, Hess PR. Comparison of automated versus manual neutrophil counts for the detection of cellular abnormalities in dogs receiving chemotherapy: 50 cases (May to June 2008). *Journal of the American Veterinary Medical Association* 2013; 242:1539-1543.

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Kim J-M, Kosak J, Kim JK, **Kissling G**, Germolec D, Zeldin DC, Bradbury JA, Baek SJ, Eling T. NAG-1/Gdf15 transgenic mouse has less white adipose tissue and a reduced inflammatory response. *Mediators in Inflammation* 2013; 2013:641851-641861.

Kissling GE, Grogan DW, Drake JW. Confounders of mutation-rate estimators: Selection and phenotypic lag in *Thermus thermophilus*. *Mutation Research – Fundamental and Molecular Mechanisms of Mutagenesis* 2013; 749:16-20.

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Masaoka A, Gassman NR, Horton JK, Kedar PS, Witt KL, Hobbs CA, **Kissling GE**, Tano K, Asagoshi K, Wilson SH. Interaction between DNA polymerase β and BRCA1. *PLoS One* 2013; 8(6):e66801.

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Witt KL, Stout MD, Herbert RA, **Kissling GE**, Collins BJ, Hooth MJ. Mechanistic insights from

the NTP studies of chromium. *Toxicologic Pathology* 2013; 41:326-342.

2012

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2011

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2010

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Prior to employment at NIEHS

Sandford MK, Bogdan G, **Kissling GE**. A view to the past: An investigation of the bioarchaeology and paleopathology at the Tutu Site, St. Thomas, United States Virgin Islands. Site report submitted to the Senior Archaeologist, Government of the Virgin Islands, St. Thomas, 1997.

Kissling GE. A generalized model for the analysis of nonindependent events, *Institute of Statistics Mimeo Series No. 1357*, Chapel Hill, North Carolina, 1981.

PAPERS UNDER REVIEW

Smith-Roe SL, Wyde ME, Stout MD, Winters J, Hobbs CA, Shepard KG, Green A, **Kissling GE**, Tice RR, Bucher JR, Witt KL. Evaluation of the genotoxicity of cell phone radiofrequency radiation in male and female rats and mice following subchronic exposure. 2017; submitted.

Mutlu E, Pierfelice J, McIntyre BS, Cunny HC, **Kissling GE**, Burback B, Waidyanatha S. Simultaneous quantitation of 2-hydroxy-4-methoxybenzophenone, a sunscreen ingredient, and its metabolites in Harlan Sprague Dawley rat plasma following perinatal dietary exposure. 2017; submitted.

NONREFEREED PAPERS

Kissling GE, Dertinger S, Hayashi M, MacGregor JT. Sensitivity of the erythrocyte micronucleus assay: dependence on number of cells scored and inter-animal variability. White paper for the International Conference on Harmonisation. 2007.

Prior to employment at NIEHS

Love WP, **Kissling GE**, Kilgariff L. Teaching limits of functions in college calculus classes. *Abstractions* 1988; p.5.

Edwards JC, Marier RL, **Kissling GE**. Improving clinical teaching for residents: Workshops and seminars. *Professions Education Researcher Notes* 1985; 7(2):3-4.

INVITED PRESENTATIONS

* Presenter

Burggraf V* and **Kissling GE***. Discharge planning in nursing homes. Invited talk, Sigma Theta Tau, New Orleans, Louisiana, February 1985.

Kissling GE*. Using statistical consultants. Invited talk, Graduate Nursing Program, School of Nursing, LSU-MC, New Orleans, Louisiana, May 1985.

Kissling GE*. A growth curve model for observations made at arbitrary times. Invited talk, Department of Experimental Statistics, Louisiana State University, Baton Rouge, Louisiana, March 1986.

Sandford MK* and **Kissling GE**. Neural tube defects in Acadiana: Biological anthropology and epidemiologic research. Invited talk, American Association of Physical Anthropologists Annual Meeting, Las Vegas, Nevada, April 4, 1992. Abstract in *American Journal of Physical Anthropology, Supplement 14* (1992) p. 145.

Kissling GE*. Hands-on projects in a college-level statistics course. Invited talk, Central Region Mathematics Conference of the North Carolina Council of Teachers of Mathematics, Durham, North Carolina, March 5, 1993.

Kissling GE*, Hostetter SC*, Riley KK*. Multiplying women in mathematics: Interventions, incentives and resources. Invited roundtable discussion, American Statistical Association Meeting, San Francisco, California, August 8 - 12, 1993. Abstract in the *1993 Proceedings of the Social Statistics Section of ASA*, p. 112-117.

Sandford MK* and **Kissling GE***. Out of the ashes: Future directions for elemental analyses through multivariate statistics. Invited paper, Canadian Association for Physical Anthropology Meeting, St. John's Newfoundland, Canada, October 21 - 23, 1993.

Sandford MK* and **Kissling GE**. The chemistry of mummified hair: New approaches to interpretation. Invited paper, Symposium on Medicine and Diet: The Mummy's Perspective, II World Congress on Mummy Studies, Cartagena, Colombia, February 6 - 10, 1995. Abstract in *II World Congress on Mummy Studies II Congreso Internacional de Estudios Sobre Momias Book of Abstracts*, session 6.13.

Sandford MK* and **Kissling GE**. Advances in analysis of mummified hair samples, Invited presentation, Symposium on Ancient Mummies and Modern Medical Technology at the 1994 annual meeting of the Paleopathology Association, Denver, CO, April 30, 1994.

Weaver DS*, Sandford MK, Bogdan G, **Kissling GE**. Treponematosi in the prehistoric Caribbean, North Carolina coast and Kentucky: Paleoepidemiological and evolutionary perspectives. Invited paper, Sixty-seventh annual meeting of the American Association of Physical Anthropologists, Salt Lake City, UT, March 31 - April 4, 1998. Abstract in the *American Journal of Physical Anthropology, Supplement 26*, 1998, p. 227.

Sandford MK*, Bogdan G, **Kissling GE**, Weaver DS. Treponematosi in the prehistoric Caribbean, North Carolina coast and Kentucky: Diagnostic considerations. Invited paper, Sixty-seventh annual meeting of the American Association of Physical Anthropologists, Salt Lake City, UT, March 31 - April 4, 1998. Abstract in the *American Journal of Physical Anthropology, Supplement 26*, 1998, p. 194.

Lea SM*, **Kissling GE**, O'Dell TJ, Lybanon M. Water depth determination from wave crest images. Invited paper, International Symposium on Intelligent Signal Processing and Communication Systems, Nashville, TN, November 20-21, 2001. Published in *Proceedings of IEEE Symposium on Intelligent Signal Processing and Communication Systems*, S. Suthaharan and B. Qui, eds., 219 – 223, 2001.

Peddada S, Dinse GE, **Kissling GE***. Use of historical controls in survival-adjusted quantal response tests for comparing tumor incidence rates. Invited talk, ENAR Biometric Society meeting, Austin TX, March 20-23, 2005.

Kissling GE*. Statistical methods for NTP 2-year bioassays: Past, present and future. Invited talk, CL Davis Foundation meeting, Nutley, NJ, November 11, 2005.

Kissling GE*. Statistical analysis for short and long term carcinogenicity studies. Invited talk, continuing education course at the American College of Toxicology 31st annual meeting, Baltimore, MD, November 7, 2010.

Kissling GE*. Biostatistics for laboratory animal veterinarians. Invited talk, 2012 North Carolina Workshop in Laboratory Animal Medicine. Raleigh, NC, May 17-20, 2012.

Kissling GE*. Biostatistics for laboratory animal veterinarians. Invited talk, 2016 North Carolina Workshop in Laboratory Animal Medicine. Raleigh, NC, May 12-13, 2016.

Kissling GE* and Everitt J*. Experimental Design and the IACUC. Invited talk, 2017 North Carolina Association for Biomedical Research. Research Triangle Park NC, May 4-5, 2017.

GRANTS AND CONTRACTS

Internal grants and contracts

Pruritus in kidney dialysis patients, LSUMC Department of Biochemistry, \$400, 1982.

The effect of teaching and a medication schedule on the incidence and type of self-medication errors in the elderly, LSUMC School of Nursing, \$700, 1982.

Comparison of epikeratophakia or penetrating keratoplasty for keratoconus, LSUMC Department of Ophthalmology, \$363, 1982.

Evolutionary considerations of primate brains, LSUMC Department of Anatomy, \$500, 1983.

Timolol study for treatment of glaucoma, Oschner Clinics and LSUMC Department of Ophthalmology, \$175, 1984.

Teaching services, for the LSUMC School of Nursing, \$6,000, 1985-86.

Drug treatments for epithelial abrasion, LSUMC Department of Ophthalmology, \$100, 1986.

Sizing of military uniforms, UNCG Department of Clothing and Textiles, \$358, 1986.

Bodybuilders study, UNCG Department of Food and Nutrition, \$144, 1988.

Multivariate growth models for hypertension, UNCG Excellence Foundation Faculty Summer Research Grant, \$2,500, 1987.

Empirical Bayes estimation techniques Research Assignment granted by UNCG to work at the Howard University Cancer Center for one semester, 1990.

Request for color printer and slide-maker, (jointly with M. K. Sandford, J. Mountjoy, J. Patton, S. Lea) UNCG College of Arts and Sciences Dean's Office, \$8,900, 1994.

Prosecutorial discretion: A contextual analysis, (jointly with J. Humphrey) UNCG Research Council, \$5,530, 1994.

Validity and reliability of measurements made on computer images UNCG Summer Research Grant program, \$4,000, 1996.

An empirical Bayes approach to analyzing spatial and temporal variation Research Assignment granted by UNCG to work at the University of New Mexico for one year, 1996-97.

Statistical consulting for medical research, UNCG Undergraduate Research Assistantship, \$1,500, 1997-98.

Statistical consulting for medical research, UNCG Undergraduate Research Assistantship, \$1,500, 1998-99.

Classification and decision tree analysis in cardiology, UNCG Undergraduate Research Assistantship, \$1,500, 1998-99.

Curriculum planning for NSF grant, (jointly with M. K. Sandford, E. M. Jackson, G. Bogdan) UNCG Advancement of Curriculum and Teaching grant, \$3,000, 1998.

Received (with MK Sandford) \$1000 from the UNCG Kohler Fund to bring in an international lecturer for the NSF-REU program.

Received (with MK Sandford) \$500 from the UNCG Women in Science Initiative to bring in a nationally recognized lecturer for the NSF-REU program.

Image and reality: interdisciplinary research involving digital image data, (jointly with MK Sandford, RS Stine, SM Lea) submitted to the External Proposal Development Incentive Program, Provost's Office, 2003.

External grants and contracts

Statistical consultant on Discharge planning in nursing homes, (PI: V. Burggraf) American Association of University Women, \$2,200, 1984.

Statistical consultant on Improving clinical instruction: Focus on graduate medical education, (PI: J. C. Edwards) National Fund for Medical Education, \$19,876, 1984.

Statistical consultant on Relationship between serum estradiol levels and improvement of endometriosis, Fertility Institute of New Orleans, \$75, 1984.

Statistical consultant on Predicting depth of sperm penetration in bovine cervical mucous, Fertility Institute of New Orleans, \$750, 1984-85.

Statistical consultant on Predicting the ability of sperm to attach to eggs, Fertility Institute of New Orleans, \$850, 1984-85.

Senior Personnel on National Science Foundation Young Scholars Project TRIUMPH: Techniques of Research: Investigating and understanding mathematics and physics (early alert), (PIs: S. Lea and R. Muir) National Science Foundation, \$70,100, 1989.

- U Statistics 108 - Elementary Introduction to Probability and Statistics
- U Statistics 271W - Fundamental Concepts of Statistics (Writing Intensive)
- U Statistics 351 (343) - Probability
- U Statistics 352 - Statistical Inference
- U&G Statistics 573 - Theory of Linear Regression (Writing Intensive)
- U&G Statistics 574 - Theory of the Analysis of Variance (Writing Intensive)
- U&G Statistics 575 - Nonparametric Statistics
- U&G Statistics 580 – Biostatistical Methods
- U&G Statistics 593, 594 - Directed Study in Statistics
- G Statistics 651 - Mathematical Statistics I
- G Statistics 652 - Mathematical Statistics II
- G Statistics 661 - Advanced Statistics in the Behavioral and Biological Sciences I
- G Statistics 661L - Advanced Statistics Laboratory I
- G Statistics 662 - Advanced Statistics in the Behavioral and Biological Sciences II
- G Statistics 662L - Advanced Statistics Laboratory II
- G Statistics 667 - Special Problems in Applied Statistics/Statistical Consulting
- G Statistics 673 - Statistical Linear Models I
- G Statistics 674 - Statistical Linear Models II
- G Statistics 675 - Experimental Design
- G Statistics 676 - Sample Survey Methods
- G Statistics 677 - Advanced Topics in Data Analysis and Quantitative Methods
- G Mathematics 699 - Thesis Research
- U Anthropology 501 - Selected Topics in Anthropology (team taught)
- U Anthropology 502 - Selected Topics in Anthropology (team taught)
- G Genetic Counseling 671 - Quantitative Risks in Practice
- G Public Health Education 604 – Public Health Statistics

DIRECTION OF STUDENT RESEARCH

Committee	Year	Student	Department	Univ.
Undergraduate Honors Thesis Committee	1998	Marcello, C	Anthropology	UNCG
Master's Theses Directed	1985	Prudhomme, L	Biometry and Genetics	LSUMC
	1989	Carnell, L	Mathematics	UNCG
	1996	Johnson, R	Mathematical Sciences	UNCG
	2000	Thornton, G	Mathematical Sciences	UNCG
	2003	Jiang, X	Mathematical Sciences	UNCG
Master's Thesis Committees	1983	Fick, A	Biometry	LSUMC
	1983	Higginbotham, S	Applied Statistics	Tulane
	1989	Rosner, V	Clothing and Textiles	UNCG
	1993	Westendorff, M	Sociology	UNCG
	1995	Gaddis, F	Mathematical Sciences	UNCG
	1996	Rapoport, I	Mathematical Sciences	UNCG

	1998	Howell, T	Mathematical Sciences	UNCG
	2001	Edwards, L	Nutrition	UNCG
	2001	Hatziapostolou, T	Mathematical Sciences	UNCG
	2001	Morgan, C	Mathematical Sciences	UNCG
	2001	Harmon, R	Mathematical Sciences	UNCG
	2002	Russell, T	Nutrition	UNCG
	2002	Hinson, B	Mathematical Sciences	UNCG
	2002	Ma, B	Nutrition	UNCG
	2002	Sells, J	Mathematical Sciences	UNCG
	2002	Cross, C	Liberal Studies	UNCG
Doctoral Dissertation Committees	1988	Cox, E	Child Development and Family Relations	UNCG
	1988	McCarthy, P	Nutrition	UNCG
	1989	Hall, L	Counseling and Specialized Educational Development	UNCG
	1989	Tomlinson, T	Psychology	UNCG
	1990	Robertson, P	Counseling and Specialized Educational Development	UNCG
	1990	Vaughan, H	Child Development and Family Relations	UNCG
	1991	Clifford, S	Child Development and Family Relations	UNCG
	1993	Richman, H	Psychology	UNCG
	1993	Kelly, V	Counseling and Specialized Educational Development	UNCG
	1993	Denny, E	Psychology	UNCG
	1993	Bowman, A	Pedagogical Studies and Supervision	UNCG
	1994	Penny, J	Educational Administration, Higher Education and Educational Research	UNCG
	1994	Sexton, C	Psychology	UNCG
	1994	Penta, M	Educational Administration, Higher Education and Educational Research	UNCG
	1995	Johnson, R	Educational Administration, Higher Education and Educational Research	UNCG
	1995	Robinson, C	Counseling and Specialized Educational Development	UNCG
	1996	Cassady, P	Psychology	UNCG
	1997	Carnell, L	Pedagogical Studies and Supervision	UNCG
	1997	Huprich, S	Psychology	UNCG
1998	Harman, P	Educational Research Methodology	UNCG	
1998	Collins, E	Human Development and Family Relations	UNCG	
2000	Boyles, L	Educational Research Methodology	UNCG	

2000	Aragon, S	Educational Research Methodology	UNCG
2001	Rakita, G	Anthropology	UNM
2001	Tomczak, P	Anthropology	UNM
2001	Kelkar, V	Educational Research Methodology	UNCG
2001	Ritter, S	Counseling and Educational Development	UNCG
2001	Frye, A	Educational Research Methodology	UNCG
2002	Hannum, K	Educational Research Methodology	UNCG
2002	Kepley, H	Psychology	UNCG
2002	Ellis-Thomas, D	Educational Research Methodology	UNCG
2002	Paulson, J	Psychology	UNCG
2002	Burroughs, M	Educational Research Methodology	UNCG
2003	Clancy, C	Psychology	UNCG

MENTORING ACTIVITIES

Guest Speaker, Collaborative Writing, BIOS 841 – Principles of Statistical Consulting, Department of Biostatistics, UNC-CH, 1991 - 1999 (each semester).
 Guest speaker, BIOS 691 – Field Observations in Biostatistics, Department of Biostatistics, UNC-CH, 2004-present (annually).
 Supervisor of Special Volunteer, Yi Lu, 2008-2012.
 Guest Speaker, Assembly of Laboratory Scientists coffee hour, NIEHS, 2011.
 Second Mentor for Epidemiology postdoctoral fellow, Yan Wang, 2011-2013.
 Supervisor of Special Volunteer, Mitas Ray (high school student), 2012-2014.
 Mentor of Summers of Discovery student, Mitas Ray, 2013. Mitas Ray was a semi-finalist in the Intel Science Talent Search based on summer project, 2013.
 Supervisor of Special Volunteer, Nan Zhang, 2014 – 2015.
 Guest Speaker, NTP Laboratories Seminar Series, 2016.
 Mentor of NIH Summer Internship Program student, Allie Churchill, 2017.

SERVICE

NIEHS:

Member, Quality Council, 2004 – 2006.
 Member, Committee on Promotions II, 2007 – 2012.
 Member, Bioinformatics Search Committee, Biostatistics Branch, 2008.
 Member, Bioinformatics Search Committee, Laboratory of Neurobiology, 2009.
 Member, Technical Review Panel, Contract proposals to support NTP technical report preparation, 2009.
 Co-advisor (elected), NIEHS Women Scientists Assembly, 2011 – 2013.
 Point-of-Contact for Biostatistics Branch, Pulse Survey, 2010 – 2012.

Member, Technical Review Panel, Contract proposals for NTP repro-tox database software, 2012.
Councilor (elected), Assembly of Scientists, 2013 – 2015.
Member, Staff Scientist Search Committee, Laboratory of Molecular Genetics, 2013.
Member, Staff Scientist Search Committee, Biostatistics and Computational Biology Branch, 2016.
Member, Technical Review Panel, Contract proposals for NIEHS/NTP bioinformatics support, 2016.

University:

Faculty Consultant, UNCG Statistical Consulting Center, 1986 - 2003.
Member, Mathematics Instructional Area Committee, UNCG, 1989-91, 1997-1999, 1999-2002 (Chair 2000-2002).
Member, Natural Science and Mathematics General Education Core Committee, UNCG, 2000-2001.
Member, Task Force on Restructuring Faculty Senate Committees, UNCG, 2000-2001.
Member, Admissions Policies Committee, UNCG, 1989-92.
Member, University Curriculum Committee, UNCG, 1989-91.
Member, Academic Research Data Archive Advisory Committee, UNCG, 1991 - 1996.
Chair, University Faculty Development Committee, UNCG, 1992-93, Member 1993-1995.
Member, Substance Abuse Committee, Student Affairs, UNCG, 1993-1996.
Member, Graduate Studies Committee, UNCG, 1995-96 (and Student Affairs Subcommittee).
Member, Graduate Studies Committee, UNCG, 1998-1999 (and Curriculum Subcommittee).
Member, Committee on Appointed and Elected Committees, UNCG, 1999-2000.

College/School:

Member, Grievance Committee, School of Nursing, LSUMC, 1982 and 1985.
Member, Undergraduate Studies Committee, College of Arts and Sciences, UNCG, 1989-91.
Member, Promotion and Tenure Committee, College of Arts and Sciences, UNCG, 1993-94.
Chair, Promotion and Tenure Committee, College of Arts and Sciences, UNCG, 1994-95.
Member, Mathematical Sciences Departmental Review Committee, College of Arts and Sciences, UNCG, 1995-96.
Member, Search Committee, Department of Public Health Education, School of Health and Human Performance, UNCG, 1997-98, 1998-99.
Chair-elect/Chair/Past-chair (elected), College Assembly, College of Arts and Sciences, UNCG, 1998-2001.
Member, Executive Committee, College of Arts and Sciences, UNCG, 1998-2001.
Ex officio member of the Curriculum and Teaching Committee, College of Arts and Sciences, UNCG, 1998-99.
Member of an *ad hoc* committee reviewing the Instrument of Governance, College of Arts and Sciences, UNCG, 1998-99.
Ex officio member of the Budget and Planning Committee, College of Arts and Sciences, UNCG, 1999-2000.
Member, Search Committee, Department of Geography, College of Arts and Sciences, UNCG, 2000-2001.
Member, Ph.D. Planning Committee, Department of Biology, College of Arts and Sciences, UNCG, 2001-2002.

Member, Search Committee, Department of Curriculum and Instruction, School of Education, UNCG, 2002-2003.
Chair, Outstanding Thesis/Master Production Award Committee, Graduate School, UNCG, 2002-2003.

Department:

Member, Curriculum Committee, Department of Biometry and Genetics, LSUMC, 1981-1986.
Member, Examinations Committee, Department of Biometry and Genetics, LSUMC, 1981-1986.
Member, Ad hoc committee reviewing upper division and graduate level offerings, Department of Mathematics, UNCG, 1986.

Member, Ad hoc committee reviewing requirements for Masters of Arts degree, Department of Mathematics, UNCG, 1987.
Member, Personnel Committee, Department of Mathematics, UNCG, 1988 - 90, 1992 - 94, 1998-2000, 2002-2003, Chair: 1989 - 90 and 1993 - 94.
Member, Scholarship Committee, Department of Mathematics, UNCG, 1991 - 1995.
Member, Undergraduate Programs Committee, Department of Mathematics, UNCG, 1991 - 1995.
Member, Graduate Review/Science Planning/Unit Planning Committee, Department of Mathematics, UNCG, 1993 - 1994.
Member, Workload Committee, Department of Mathematical Sciences, UNCG, 1995 - 1996.
Member, Graduate Programs Committee, Department of Mathematical Sciences, UNCG, 1995 - 2003.
Chair, STA 108 Textbook Selection Committee, Department of Mathematical Sciences, UNCG, 1996.
Member, Statistics Search Committees, Department of Mathematical Sciences, UNCG, 1988-1989, 1996-1997, 1997-1998, 2000-2001 (Affirmative Action Representative each time).
Member, Steering Committee for the Departmental Review, Department of Mathematical Sciences, UNCG, 1997-1998.
Coordinator, Division of Statistics, Department of Mathematical Sciences, UNCG, 1998 - 2000, 2002-2003.
Member, MAT 191, 292, 293, 394 Study Group, Department of Mathematical Sciences, UNCG, 1999.
Member, Senior Advisory Committee to the Head, UNCG, 2001-2003.
Member, Head Search Committee, UNCG, 2002-2003.

Professional:

Grant proposal reviewer for: Cooperative Grants Program of the U.S. Civilian Research and Development Foundation; Future SEEDS program of NC A&T, 1998.
Member, Membership Committee and Puzzle Contest Committee, Greensboro Chapter of Sigma Xi, 1992 - 1995.
Chair, Nominating Committee, Greensboro Chapter of Sigma Xi, 1993 - 1995.
Secretary, Greensboro Chapter of Sigma Xi, 1995 - 1996.
President, Greensboro Chapter of Sigma Xi, 1998 - 1999; President-elect, 1997 - 1998.
UNCG's representative to the Southern Regional Council on Statistics (SRCOS), 1998 - 2003.

OTHER PROFESSIONAL ACTIVITIES

Statistical Consultant, Moses Cone Hospital, Greensboro, NC, 1987 - 2003.

Statistical Consultant, University Research Associates (formerly Creative Computing Consultants), Jamestown, NC, 1988 - 2003.

Expert witness in a Rowan County, NC murder trial, January, 1994.

Expert reviewer of drug testing legal briefs for a Florida court martial, March 1995.

Expert statistician in medical malpractice suit in Greensboro, NC, Fall, 1995 - Winter, 1996.

Expert witness in a federal credit card theft case, Greensboro, NC and Los Angeles, CA, Spring 1995 - Summer, 1996.

Instructor, summer short courses for pharmacists and neonatologists at Women's Hospital and Moses Cone Hospital (Meta-analysis, Logistic regression, Survival analysis and outcomes research analysis, Topics in statistics for pharmacy research), Greensboro, NC, Summers 1995 – 2002.