

**BIOGRAPHICAL SKETCH**

Provide the following information for the key personnel in the order listed for Form Page 2.  
Follow the sample format for each person. **DO NOT EXCEED FOUR PAGES.**

NAME		POSITION TITLE	
Terri Michele King, Ph.D.		Assistant Professor	
EDUCATION/TRAINING (Begin with baccalaureate or other initial professional education, such as nursing, and include postdoctoral training.)			
INSTITUTION AND LOCATION	DEGREE (if applicable)	YEAR(s)	FIELD OF STUDY
The University of Texas; San Antonio, TX		1984	Mathematics
The University of Texas; Austin, TX	B.S.	1988	Zoology
Georgetown University; Washington D.C.	M.S.	1989	Biostat/Epidemiology
Johns Hopkins University; Baltimore, MD	Ph.D.	1993	Hum Gene/Gene Epidem
Rice University; Houston, TX		1998	Math. Statistics

**Professional and Academic Appointments:**

1995-1996	Research Associate, Department of Epidemiology, University of Texas M.D. Anderson Cancer Center, Houston, TX
1996-2001	Assistant Professor, Department of Epidemiology, University of Texas M.D. Anderson Cancer Center, Houston, TX
1999-2001	Director, Pharmacogenetics and Epidemiology, Genometrix, Inc. The Woodlands, TX
1997-Present	Associate Member, University of Texas Graduate School of Biomedical Sciences, Houston, TX
2001-Present	Assistant Professor, University of Texas – Houston Medical School, Houston, TX

**Publications:**

- Barratt MS, Villarreal GB, **King TM**, Noble RW, Golden AL. Knowledge and attitude change in primary care providers following training in adolescent sexual health. *Adolescent and Family Health, in press.*
- Mc Ardle PF, Pollin TI, O'Connell JR, Sorkin JD, Agarwala R, Schäffer AA, Streeten EA, **King TM**, Shuldiner AR, Mitchell BD. Does having children extend lifespan? A genealogical study of parity and longevity in the Amish. *J Gerontol: Med Sci in press*
- Pannu H, Kim D, Guo D, **King TM**, Van Ginhoven, G, Chin T, Chang K, Qi Y, Shete S, Milewicz DMM. Role of *MMP2* and *MMP9* Polymorphisms in Sporadic Intracranial Aneurysms. *Journal of Neurosurgery, in press*
- Au, K-S, Northrup H, Kirkpatrick TJ, Volcik KA, Fletcher JM, Townsend IT, Blanton SH, Tyerman GH, Villarreal G, **King TM**. Promoter genotype of the platelet-derived growth factor receptor- $\alpha$  gene shows population stratification but not association with spina bifida meningocele. *Am J Med Genet A* 2005 139A(3):194-198.
- Shaw A, Vaporciyan A, Wu X, **King TM**, Dickey B, Spitz M, Putnam B. Inflammatory gene polymorphisms influence risk of postoperative morbidity after lung resection. *Annals Thoracic Surg* 2005 May 79(5):1704-10.
- Ahn C, **King TM**, Lee K, Kang, S-H. DNA pooling as a tool for case-control association studies of complex traits. *Genomics & Informatics* 2005 3(1):1-7
- Boccalandro C, de Mattia F, Guo DC, Xue Li, Orlander P, **King TM**, Gupta P, Deen PMT, Lavis VR, Milewicz DM. Characterization of an Aquaporin-2 water channel gene causing partial nephrogenic diabetes insipidus in a Mexican family. *J Am Soc Nephrol* 2004 May 15(5): 1223-31.
- King TM**. Using Simultaneous Equation Modeling for Defining Complex Phenotypes. *BMC Genetics* 2003 Dec 31; 4 Suppl 1:S10.
- Jiang ZD, Okhuysen P, Guo DC, He RM, **King TM**, DuPont HL, Milewicz DM. Genetic Susceptibility to Enteraggregative *Escherichia coli* Diarrhea - Polymorphism in interleukin-8 promoter region. *J Infect Dis.* 2003 Aug 15;188(4):506-11.
- Frazier-Bowers SA, Cavender AC, **King TM**, Milewicz DM, D'Souza RN. A Unique Form of Hypodontia Observed in Vietnamese Patients: Clinical and Molecular Analysis. *J Med Genet.* 2003 Jun;40(6)
- Lai D, **King TM**, Moye LA, Wei Q. Sample size for biomarker studies. More subjects or more measurements per subject *Ann. Epidemiol.* 2003 Mar 13(3):204-208.

12. Haston CK, Wang M, Dejournett RE, Zhou X, Ni D, Gu X, **King TM**, Weil MM, Newman RA, Amos CI, Travis EL. Bleomycin hydrolase and a genetic locus within the MHC affect risk for pulmonary fibrosis in mice. *Hum Mol Genet* 2002 Aug 1;11(16):1855-63
13. **King TM**, Tong L, Pack RJ, Spencer C, Amos CI. Accuracy of family history of cancer as reported by men with prostate cancer. *Urology* 2002 Apr;59(4):546-50
14. Frazier-Bowers SA, Guo DC, Cavender A, Xue L, Evans B, **King TM**, Milewicz D, D'Souza RN. A novel mutation in human PAX9 causes molar oligodontia. *J Dent Res* 2002 Feb;81(2):129-33
15. Pollock, Raphael E. (ed) Soft Tissue Sarcomas, American Cancer Society Atlas of Clinical Oncology **King, TM** Chapter 1: Epidemiology, 1-10, BC Decker Inc, Hamilton, 2002.
16. Baur MP, Majumder PP, Amos CI, Feingold JI, **King TM**, Morton NE, Province MA, Spence MA, Thomas DC; IGES-ELSI Committee. International Genetic Epidemiology Society: commentary on Darkness in El Dorado by Patrick Tierney. *Genet Epidemiol* 2001 Sep;21(2):81-104
17. Mitchell BD, Hsueh WC, **King TM**, Pollin TI, Sorkin J, Agarwala R, Schaffer AA, Shuldiner AR. Heritability of life span in the Old Order Amish. *Am J Med Genet* 2001 Sep 1;102(4):346-52
18. Chase GA, **King TM**, Oja-Tebbe N, Rybicki BA, Goldin LR. Assessment of estimation procedures for risk and onset hazard with dependent data. *Genetic Epidemiology* 17 Supplement 1:S97-102, 1999.
19. Barnholtz JS, de Andrade M, Page GP, **King TM**, Peterson LE, Amos CI. Assessing linkage of monoamine oxidase B in a genome-wide scan using a univariate variance components approach. *Genetic Epidemiology* 17 Supplement 1:S49-54, 1999.
20. Peterson LE, Barnholtz JS, Page GP, **King TM**, de Andrade M, Amos CI. A genome-wide search for susceptibility genes linked to alcohol dependence. *Genetic Epidemiology*, 17 Supplement 1:S295-300, 1999.
21. Page GP, **King TM**, Barnholtz JS, de Andrade M, Peterson LE, Amos CI. Genome scans for genetic predisposition to alcoholism by use of transmission disequilibrium test analyses. *Genetic Epidemiology* 17 Supplement 1:S277-281, 1999.
22. **King TM**, Barnholtz, J, Page, GP. Familial analysis of event related potentials. *Genetic Epidemiology*, 17 Supplement 1:S199-204, 1999.
23. Dorsten LE, Hotchkiss L, **King TM**. Effect of Inbreeding on Early Childhood Mortality: Twelve Generations of an Amish Settlement. *Demography*, 36:263-271, 1999.
24. **King TM**, Hursting S, Contois J, Wu X, Spitz MR, Hsu TC. Correspondence re: M.T. Goodman, et al., Effects of beta-carotene and alpha-tocopherol on bleomycin-induced chromosomal damage. *Cancer Epidemiol Biomarkers Prev.* 7(8): 729, 1998.
25. Eeles RA, Durocher F, Edwards S, Teare D, Badzioch M, Hamoudi R, Gill S, Biggs P, Dearnaley D, Ardern-Jones A, Dowe A, Shearer R, McLennan DL, Norman RL, Ghadirian P, Aprikian A, Ford D, Amos C, **King TM**, The Cancer Research Campaign/British Prostate Group U.K. Familial Prostate Cancer Study Collaborators, Labrie F, Simard J, Narod SA, Easton D and Foulkes WD. Linkage analysis of chromosome 1q markers in 136 prostate cancer families. *Am J Hum Genet.* 62:653-658, 1998.
26. **King TM** and Wan, Y. Linked markers and age at diagnosis. *Genet Epidemiol.* 14:821-825, 1997.
27. **King TM**, Trizna Z, Wu X, Amos CI, Fueger RH, Fueger JJ, Fritsche HA, Hsu TC, Winn R, Spitz MR, UT M. D. Anderson Clinical Community Oncology Program Network. A clinical trial to evaluate the effect of vitamin C on *in vitro* mutagen sensitivity. *Cancer Epidemiol Biomarkers Prev.* 6(7):537-542, 1997.
28. **King TM**, Beaty TH, Liang KY. Comparison of methods for survival analysis of dependent data. *Genet Epidemiol* 13(2):139-158, 1996.
29. Haston CK, Amos CI, **King TM**, Travis EL. Inheritance of bleomycin-induced pulmonary fibrosis in the mouse. *Cancer Res.* 56(11):2596-601, 1996
30. Dorsten LE, Hotchkiss L, **King TM**. Consanguineous marriage and early childhood mortality in an Amish settlement. *Sociological Focus.* 29(2):179-185, 1996.
31. **King TM**. Zhu D. Amos CI. Association and linkage with quantitative trait. *Genet Epidemiol* 12 (6):771-775, 1995.
32. Jin X, Wu X, Roth JA, Amos CI, **King TM**, Branch C, Honn SE, Spitz MR. Higher lung cancer risk for younger African Americans with the Pro/Pro p53 genotype. *Carcinogenesis* 16(9):2205-2208, 1995.
33. Dave BJ, Hopwood VL, **King TM**, Jiang H, Spitz MR, Pathak S. Genetic susceptibility to lung cancer as determined by lymphocytic chromosome analysis. *Cancer Epidemiol Biomarkers Prev* 4(7): 743-750, 1995.
34. **King TM**, Zhu D, Amos CI. Association and linkage strategies for a quantitative trait. *Genet Epidemiol.* 2(6):765-9, 1995.
35. Goldin LR, Chase GA, **King TM**, Badner JA, Gershon ES. Use of exact and adjusted liability scores to detect genes affecting common traits. *Genet Epidemiol* 12(6):765-769, 1995.
36. Spitz MR, Hoque A, Trizna Z, Schantz SP, Amos CI, **King TM**, Bondy ML, Hong WK, Hsu TC. Mutagen sensitivity as a risk factor for second malignant tumors following malignancies of the upper aerodigestive tract. *J Natl Cancer Inst* 86(22):1681-1684, 1994.

Principal Investigator/Program Director (Last, first, middle):

37. **King TM.** Ovarian cancer and fertility drugs. *Cancer Bulletin* 46(2):181-184, 1994.
38. **King TM,** Brandt J, Meyers DA. The effect of laboratory or clerical error on presymptomatic risk calculations for Huntington disease: a simulation study. *Am J Med Genet* 46:154-158, 1993.
39. Hamosh A, **King TM,** Rosenstein BJ, et al. Cystic fibrosis patients bearing both the common missense mutation gly -> Asp at Codon 551 and the delta F508 mutation are clinically indistinguishable from delta F508 homozygotes, expect for decreased risk of meconium ileus. *Am J Human Genet* 51:245-250, 1992.
40. Maestri NE, **King TM,** Colyer CR, Mellen BC, Chase GA, Meyers DA. Using recombinant chromosomes to map new markers. *Genetic Analysis Workshop 7: Issues in Gene Mapping and Detection of Major Gene.* MacCluer JW, Chakravarti A, Cox D, Bishop DT, Bale SJ, Skolnick MH (eds) *Cytogenet Cell Genet* 59:116-118, 1992.

### **Grant and Contract Support for the last five years:**

University General Clinical Center, L. Maximilian Buja, M.D., Principal Investigator, March, 2001 to September, 2005 **0.20 FTE**

Gene Polymorphisms Predisposing to Infectious Diarrhea, **R01,** Pablo Okhuysen, M.D. Principal Investigator, Terri M. King, Ph.D, Co-Investigator, October, 2003 to September, 2005 **0.05 FTE**

### **Current and Pending Grant and Contract Support**

Spina Bifida: Cognitive and Neurobiological Variability, **P01,** Jack Fletcher, Ph.D. Principal Investigator, Terri M. King, Ph.D, Co-Investigator Project 1, Co-Principal Investigator Core C – Database and Statistics Core, February, 2005 to January, 2010 **0.25 FTE**

Neural Tube Defects: Genetic Factors, Shriners Hospital for Children, Hope Northrup, M.D., Principal Investigator, Terri M. King, Ph.D. Co-Investigator January, 2004 – December, 2006 **0.10 FTE**

AT1 Receptor Activating Autoantibodies and Preeclampsia, **R01,** Yang Xia, M.D., Ph.D. Principal Investigator, Terri M. King, Ph.D., Co-Investigator February 1, 2005 to January 2009 **0.05 FTE**

Angiotensin Receptor Autoantibodies and Preeclampsia, **R01,** Rodney Kellems, Ph.D. Principal Investigator, Terri M. King, Ph.D., Co-Investigator **Pending, 0.05 FTE**