

**BIOGRAPHICAL SKETCH**

NAME <b>Jeffrey K. Griffith, Ph.D.</b>		POSITION TITLE <b>Member, Women's Cancers Research Program UNM Professor, Biochemistry and Molecular Biology</b>	
eRA COMMONS USER NAME (credential, e.g., agency login) jgriffith			
EDUCATION/TRAINING <i>(Begin with baccalaureate or other initial professional education, such as nursing, and include postdoctoral training.)</i>			
INSTITUTION AND LOCATION	DEGREE <i>(if applicable)</i>	YEAR(s)	FIELD OF STUDY
Portland State University, Portland, OR	B.S	1970	Genetics, Biology
Purdue University, West Lafayette, IN	Ph.D.	1975	Mol. Develop. Biol.
University of Hawaii, Honolulu, HI	Post Doc	1975-1979	Mol. Develop. Biol.

**A. Professional Experience / Memberships / Honors**

1979-1982	Staff Member, Genetics Group Los Alamos National Laboratory, Los Alamos, NM.
1982-1995	Associate Professor, Department of Cell Biology, Tenured, July, 1984. University of New Mexico Health Sciences Center, Albuquerque, NM.
1995-1997	Associate Professor, Department of Biochemistry University of New Mexico Health Sciences Center, Albuquerque, NM.
1997-present	Professor, Department of Biochemistry and Molecular Biology University of New Mexico Health Sciences Center, Albuquerque, NM
1997-2007	Chair, Department of Biochemistry and Molecular Biology University of New Mexico Health Sciences Center, Albuquerque, NM.
2006-present	Professor, Department of Surgery, Division of Urological Oncology University of New Mexico Health Sciences Center, Albuquerque, NM.
2007-present	Executive Vice Dean, School of Medicine University of New Mexico Health Sciences Center, Albuquerque, NM.

**Other Experience and Professional Memberships:**

2004-present	State Science Director, New Mexico Idea Network of Biomedical Research Excellence (INBRE) Program
2001-2008	Codirector, UNM Women's Cancers Research Program University of New Mexico Health Sciences Center, Albuquerque, NM.
1996-2001	Codirector, UNM-LANL Center for Genetics in Medicine University of New Mexico Health Sciences Center, Albuquerque, NM.
1993-1996	Director, Cancer Research and Treatment Center Solid Tumor Facility University of New Mexico Health Sciences Center, Albuquerque, NM.
1985-1997	Visiting Staff Member, Center for Human Genome Studies Los Alamos National Laboratory, Los Alamos, NM.
2001-2006	Board of Directors, New Mexico Biomedical & Biotechnology Association
2007	Chair, NCI Innovative Technologies Program Study Section
2007-present	Member, Board of Directors, University New Mexico Medical Group
2009-present	Member, Board of Directors, UNM Sandoval Regional Medical Center
Various	Member, BCRP, PCRP, NCI study sections

**Honors:**

1981	Los Alamos National Laboratory, Distinguished Performance Award,
1992	Elected to Lifetime Membership, Clare Hall, University of Cambridge, England.
1994, 1995	UNM School of Medicine Faculty Excellence in Teaching Award, 1994, 1995.

1992,1991,1990 Visiting Scholar, Department of Biochemistry, University of Cambridge, England.  
2000 DOD Joint Genome Institute Achievement Award, 2000.

**Editorial and Review (Since 2000):** Ad hoc reviewer, *Genes, Chromosomes & Cancer, Lancet Oncology, International Journal of Cancer Clinical Cancer Research, Lung Cancer, Neoplasia, Cancer Cell International, Oncogene, Cancer, Journal of Medical Genetics, Journal of Pathology, Gene Therapy, Biotechniques, Anti-cancer Drugs, American Cancer Society, California Cancer Project, Florida Cancer Project, DOD Prostate Cancer Research Program, DOD Breast Cancer Research Program, NCI Innovative Technologies Program (Study Section Chair, July 2007), NCI Prognosis and Prediction Program and the NCI Early Detection Research Network Biomarker Developmental Laboratories Program.*

**B. Selected Peer-Reviewed Publications (from a total of 64)**

1. N.A. Dogett, L.A. Goodwin, J.G. Tesmer, L.J. Meincke, D.C. Bruce, L.M. Clark, M.R. Altherr, A.A. Ford, H.C. Chi, B.L. Marrone, J.L. Longmire, S.A. Lane, S.A. Whitmore, M.G. Lowenstein, R.D. Sutherland, M.O. Mundt, E.H. Knill, W.J. Bruno, C.A. Macken, D.C. Torney, J.R. Wu, **J.K. Griffith**, et al. G.R. Sutherland, L.L. Deaven, D.F. Callen and R.K. Moyzis (1995) An integrated physical map of human chromosome 16. **Nature** 377:335-366.
2. N. Stephens, S.L. Barton, R.A. Paul A. Smith, J. A. Neidhart and **J.K. Griffith**. (1996) Granulocyte macrophage stimulating factor (GM-CSF) secretion in primary cultures of normal and cancerous human renal cells. **Kidney International**, 50:1044-1050.
3. J.E. Bryant, K.G. Hutchings, R.K. Moyzis and **J.K. Griffith** (1997) A sensitive measure of telomere DNA content in human tissue. **Biotechniques**, 23,476-484.
4. A. Chakarian, M. Bisoffi, J.E. Bryant, M.F. Fore, R.K. Moyzis and **J.K. Griffith** (1998) Inhibition of human telomerase by a retrovirus expressing telomeric antisense RNA. **European Journal Cancer**, 34:1242-1249.
5. **J.K. Griffith**, J.E. Bryant, C. Fordyce, F. Gilliland N. Joste, and R.K. Moyzis (1999) Reduced telomere DNA content is correlated with genomic instability and metastasis in invasive human breast carcinoma. **Breast Cancer Research and Treatment**, 54: 59-64.
6. L. Donaldson, C.F. Fordyce, F. Gilliland, A. Smith, R. Feddersen, N.E. Joste, R.K. Moyzis and **J.K. Griffith** (1999). Association between outcome and telomere DNA content in prostate cancer. **Journal of Urology**. 162: 1788-1792.
7. C. Fordyce, C. Heaphy and **J.K. Griffith**. (2002) Chemiluminescent measurement of telomere DNA content in archival biopsy specimens. **Biotechniques**, 33, 144-148.
8. M. Bisoffi, I. Klima E. Gresko P. Durfee, W.C. Hines **J.K.Griffith** U.E. Studer and G.N. Thalmann (2004) Expression profiles of androgen-independent bone metastatic prostate cancer cells indicate over-expression of the putative serine-threonine kinase GS3955. **J. Urology**, 172: 1145-1150.
9. C.A. Fordyce, C.M. Heaphy, N.E. Joste, A.Y. Smith, W.C. Hunt and **J.K. Griffith** (2005) Association Between Cancer-free Survival and Telomere DNA Content in Prostate Tumors. **J. Urology**, 173: 610-614.
10. V. Raizada, B. Skipper, W. Luo, L. Garza, C. Hines, A. Harford, P. Zager, **J.K. Griffith**, D. Raj and C. T. Spalding (2005), ACE DD Genotype and QTc Prolongation in End -Stage Renal Disease, **Kidney International**, 68:1186-9.
11. Hines, WC, Fajardo, AM, Joste, NE, Bisoffi, M and **J.K. Griffith** (2005)\_Quantitative and Spatial Measurements of TERT Expression within Normal and Malignant Human Breast Tissue. **Molecular Cancer Research**, 3:503-509.
12. Heaphy CM, M. Bisoffi M, Fordyce CA, Haaland C, Joste NE, and **J.K. Griffith** (2006): Telomere DNA Content and Allelic Imbalance in Histologically Normal Tissue Adjacent to Breast Tumors: Implications for Prognosis, **International Journal of Cancer**, 119: 108-116.
13. Fordyce CA, Heaphy CM, Joste NE, Bisoffi M, Wyaco JL, Mangalik A, Baumgartner KB, Baumgartner RN, Hunt WC and **J.K. Griffith** (2006): Telomere Content Correlates with Stage and Prognosis in Invasive Breast Cancer, **Breast Cancer Research and Treatment**, 99:193-202.
14. Candia BJ, Hines WC, Heaphy CM, **Griffith J.K.** and Orlando RA (2006) Protease Nexin-1 Expression is altered in Human Breast Cancer, **Cancer Cell International**, 6:16.
15. M Bisoffi, CM Heaphy, and **J.K. Griffith** (2006) Telomeres: Prognostic Markers for Solid Tumors, **International Journal of Cancer**, 119:2255-2260.

16. Christopher M. Heaphy, William C. Hines, Kimberly S. Butler, Christina M. Haaland, Glenroy Heywood, Edgar Fischer, Marco Bisoffi and **Jeffrey K. Griffith** (2007) Assessment of the Frequency of Allelic Imbalance in Human Tissue Using a Multiplex PCR System, **Journal of Molecular Diagnostics**, 9: 266-271.
17. Christopher M. Heaphy, Marco Bisoffi and **Jeffrey K. Griffith** (2007) Diagnostic Significance of Allelic Imbalance in Cancer, **Expert Opinion in Molecular Diagnostics**, 1: 159-168.
18. Veena Raizada, Betty Skipper, Wentao Luo, and **Jeffrey Griffith** (2007) The Intracardiac and Intrarenal Renin Angiotensin Systems: Mechanisms of Cardiovascular and Renal Effects. **Journal of Investigative Medicine**, 55:341-59.
19. Christopher M. Heaphy, Kathy B. Baumgartner, Marco Bisoffi, Richard N. Baumgartner, and **Jeffrey K. Griffith** (2007) Telomere DNA Content Predicts Breast Cancer-free Survival Interval. **Clinical Cancer Research**, 13: 7038-7043.
20. Zhihe Liu, Guanghua Wan, Christopher Heaphy, Marco Bisoffi, **Jeffrey K. Griffith** and Chien-an A. Hu (2007) A Novel Loss-of-function Mutation in TP53 in an Endometrial Cancer Cell Line and Uterine Papillary Serous Carcinoma Model. **Molecular and Cellular Biochemistry**, 297: 179-187.
21. Christopher M. Heaphy, Marco Bisoffi, Nancy E. Joste, Kathy B. Baumgartner, Richard N. Baumgartner and **Jeffrey K. Griffith** (2008) *Genomic Instability Demonstrates Similarity between DCIS and Invasive Carcinomas*. **Breast Cancer Research and Treatment**, 117:17-24. Epub ahead of print. Sep 11, 2008.
22. C, Haaland-Pullus C, Heaphy C, Butler KS, Fischer EG, Griffith JK and Bisoffi M (2009) Differential Gene Expression in Tumor Adjacent Histologically Normal Prostatic Tissue Indicates Field Cancerization. **International Journal of Oncology**, 35:537-46
23. Emilio Fernandez-Egea, Miguel Bernardo, Christopher M Heaphy, **Jeffrey K Griffith**, Thomas Donner, Eduard Parellada, Enric Esmatjes, Ignacio Conget, Varghese George, Hubert Stöppler and Brian Kirkpatrick (2009) Telomere Length in Newly Diagnosed, Antipsychotic-Naïve Patients with Nonaffective Psychosis. **Schizophrenia Bulletin**, March 11, 2009, Epub ahead of print.
24. Eric G. Treat, Christopher M. Heaphy, Larry Massie, Marco Bisoff, Anthony Y. Smith, Michael S. Davis, **Jeffrey K.Griffith** (2009) Telomere DNA Content in Prostate Biopsies Predicts Early Rise In Prostate Specific Antigen Following Radical Prostatectomy for Prostate Cancer. **Urology**, 35:537-46.

### C. Research Support

#### Active

BC087005 (Griffith, Jeffrey)

7/1/09-6/30/10

DOD BCRP

Curcumin, Telomere Maintenance and Breast Cancer Prevention

Objective: To investigate effects of curcumin on telomere maintenance

Role: PI

PF0802201CNE (Griffith, Jeffrey)

1/1/08-12/31/11

American Cancer Society

Tumorigenesis in Histologically Normal Breast Tissue

Objective: Postdoctoral Fellowship to Kristina Trujillo to study telomerase expression in breast cancer

Role: Mentor

RR0164880 (Arterburn, Jeffrey)

7/1/09- 6/31/14

NIH

New Mexico INBRE

Objective: Improve university research infrastructure throughout New Mexico

Role: JKG is PI of the UNM subcontract and Director of the State Science Core

#### Completed

Arterburn, Jeffrey  
NIH  
New Mexico INBRE

7/1/04-6/31/09

Objective: JKG is PI of the UNM subcontract, Director of the State Science Core

Griffith, Jeffrey  
DOD BCRP  
Prognostic Significance of Telomere Attrition in DCIS

1/31/05-1/30/09

Objective: To perform retrospective assessment

Griffith, Jeffrey  
DOD PCR  
Prognostic Value of Allelic Imbalance in Prostate Biopsy

9/1/04-8/31/05

Objective: To perform retrospective assessment of prognostic value of allelic imbalance in human prostatectomy biopsy specimens.

Griffith, Jeffrey,  
DOD BCRP  
Pathways to Research Careers: UNM Undergraduate Breast Cancer Research Training Program.

6/4/02-6/3/05

Objective: To encourage undergraduate students to pursue careers in breast cancer research.

Griffith, Jeffrey  
Oxnard Foundation  
Prognostic Value of Telomere DNA in Node-negative Breast Cancer

6/1/03-5/31/05

Objective: Assess of prognostic value of telomere DNA in node-negative breast cancer

Griffith, Jeffrey  
NIH/NCI  
Prognostic Value of Telomere DNA in Prostate Biopsy

4/1/00-3/31/05

Objective: Determine feasibility of measuring telomere DNA content in prostatectomy biopsy specimens.

Griffith, Jeffrey  
DOD BCRP  
Prognostic Value of Telomere DNA Content in Invasive Breast Cancer

7/1/01-6/30/02

Objective: To determine the prognostic significance of telomere DNA content in human prostate cancer.