

BIOGRAPHICAL SKETCH

Provide the following information for the Senior/key personnel and other significant contributors in the order listed on Form Page 2. Follow this format for each person. **DO NOT EXCEED FOUR PAGES.**

NAME Mandal, Diptasri, M.		POSITION TITLE Associate Professor	
eRA COMMONS USER NAME (credential, e.g., agency login) dmanda			
EDUCATION/TRAINING (Begin with baccalaureate or other initial professional education, such as nursing, include postdoctoral training and residency training if applicable.)			
INSTITUTION AND LOCATION	DEGREE (if applicable)	MM/YY	FIELD OF STUDY
Calcutta University, Calcutta, India.	B.Sc.(Hons.)	1984	Zoology
Burdwan University, Burdwan, India.	M.Sc.(Hons.)	1986	Zoology with Entomology
Northeast Louisiana University, Monroe, LA	M.S.	1991	Biology
Louisiana State University Medical Center, New Orleans, LA	Ph.D.	1996	Human Genetics

Please refer to the application instructions in order to complete sections A, B, C, and D of the Biographical Sketch.

A. Positions and Honors

Positions and Employment

- 1990-1991 Instructor, Department of Biology, University of Louisiana at Monroe
- 1997 Visiting Instructor, Department of Biometry and Genetics, LSU Health Sciences Center, New Orleans
- 1997-2000 Instructor, Department of Medicine, Section of Genetics and Geriatrics, LSU Health Sciences Center, New Orleans
- 2000-2001 Instructor, Department of Genetics, LSU Health Sciences Center, New Orleans
- 2001-2008 Assistant Professor, Department of Genetics, LSU Health Sciences Center, New Orleans
- 2008-present Associate Professor, Department of Genetics, LSU Health Sciences Center

Memberships in Professional Organizations

- 1995-present The American Society of Human Genetics
- 1995-present The International Genetic Epidemiology Society

Awards and Honors

- 1998- Member, GELCC - Genetic Epidemiology of Lung Cancer Consortium
- 2001 Research Enhancement Funds from LSUHSC-NO
- 2002- Ad hoc member NIH/NIGMS Study Section
- 2003- International Genetic Epidemiology Society, ELSI Task Force
- 2006 Travel Grant for attendance at AACR annual meeting from AACR
- 2006 Chair, Scientific Session, International Genetic Epidemiology Society Meeting, Tampa Bay, FL
- 2007- Ad hoc member NCI Small Grants Program Study Section
- 2009 NCI ARRA Study Section
- 2010 NCI SPORE Study Section
- 2011 Reviewer: Italian Ministry of Health General Directorate for Health and Technologies Research
- 2011 Ad hoc member NCI-G Study Section
- 2011 Member, ICPCG – International Consortium of Prostate Cancer Genetics
- 2011 Associate, Johns Hopkins Bloomberg School of Public Health

B. Peer-reviewed Publications (in chronological order)

1. E. W. Pugh, **D. M. Mandal** and A. F. Wilson. A graphical approach for presenting linkage results from a genomic screen. *Genetic Epidemiology*. 1995. 12:807-812.
2. **D. M. Mandal**, A. J. M. Sorant, E W. Pugh, S. E. Marcus, A. P. Klein, R. A. Mathias, J. O'Neill, L. F. Temiyakarn, A. F. Wilson, J.E. Bailey-Wilson. Environmental covariates: effects on the power of sib-pair linkage methods. *Genetic Epidemiology*. 1999. 17:S643-S648.
3. **D.M. Mandal**, A.F.Wilson, R.C. Elston, K. Weissbecker, B. J. Keats, J. E. Bailey-Wilson. Effect of misspecification of allele frequencies on the Type I error of model-free linkage analysis. *Human Heredity*. 2000. 50:126-132.
4. J. E. Bailey-Wilson, A. J. M. Sorant, J. D. Malley, S. Presciuttini, R. A. Redner, T. A. Severini, J. A. Badner, S. Pajevic, R. Jufer, A. Baffoe-Bonnie, L. Kao, B.Q. Doan, J.L. Goldstein, T. N. Holmes, D. Behnemann, **D. M. Mandal**, T. N. Turley, K. A. Weissbecker, J. O'Neil and E. W. Pugh. Comparison of novel and existing methods for detection of linkage disequilibrium using parent-child trios in the GAW12 genetic isolate simulated data. *Genetic Epidemiology*. 2001. 21(1):S378-S383.
5. **D. M. Mandal**, A. F. Wilson and J. E. Bailey-Wilson. Effects of Misspecification of Allele Frequencies on the Power of Haseman-Elston Sib-pair Linkage Method for Quantitative Traits. *American Journal of Medical Genetics*. 2001. 103:308-313.
6. A. P. Klein, I. Kovac, A. J. M. Sorant, A. Baffoe-Bonnie, B. Q. Doan, G. Ibay, E. Lockwood, **D. M. Mandal**, L. Santhosh, K. Weissbecker, J. Woo, A. Zambelli-Weiner, J. Zhang, D. Q. Naiman, J. Malley, J. E. Bailey-Wilson. Importance Sampling Method of Correction for Multiple Testing in Affected Sib-pair Linkage Analysis. *BMC Genet (Suppl)* 2003; 4:73.
7. J. E. Bailey-Wilson, C. I. Amos, S. Pinney, G. M. Petersen, M. de Andrade, J. S. Wiest, P. Fain, A. G. Schwartz, M. You, W. Franklin, C. Klein, A. Gazdar, H. Rothschild, **D. M. Mandal**, T. Coons, J. Slusser, J. Lee, C. Gaba, E. Kupert, A. Perez, X. Zhou, D. Zeng, Q. Liu, D. Seminara, J. Minna, M. Anderson. A major lung cancer susceptibility locus maps to chromosome 6q23-25. *American Journal of Human Genetics*. 2004. 75:460-484.
8. A. Y. Kinney, L. Bloor, **D. M. Mandal**, S. E. Simonsen, B. J. Baty, R. Holubkov, K. Seggar, S. Neuhausen, and K. Smith. Impact of Receiving Genetic Test Results on General and Cancer-Specific Psychological Distress Among Members of an African-American Kindred with a BRCA1 Mutation. *Cancer*. 2005. 104:2508-2516.
9. A. Y. Kinney, S. E. Simonsen, B. J. Baty, **D. M. Mandal**, S. Neuhausen, K. Seggar, R. Holubkov, and K. Smith. Acceptance of Genetic Testing for Hereditary Breast Ovarian Cancer among Study Enrollees from an African American Kindred. *American Journal of Medical Genetics*. 2006. 140:813-826.
10. A. Y. Kinney, S. E. Simonsen, B. J. Baty, **D. M. Mandal**, S. E. Neuhausen, K. Seggar, R. Holubkov, L. Bloor, K. Smith. Risk reduction behaviors and provider communication following genetic counseling and *BRCA1* mutation testing in an African-American kindred. *Journal of Genetic Counseling*. 2006. 15:293-305.
11. **D. M. Mandal**, A.J.M. Sorant, L.D. Atwood, A.F. Wilson, J.E. Bailey-Wilson. Allele Frequency Misspecification: Effect on Power and Type I Error of Model-dependent Linkage Analysis of Quantitative Traits under Random Ascertainment. *BMC Genetics*. 2006. 7:21.
12. M. Wang, H. Vikis, Y. Wang, D. Jia, D. Wang, L. J. Bierut, J. E. Bailey-Wilson, C. I. Amos, S. M. Pinney, G. P. Peterson, M. de Andrade, P. Yang, J. S. Wiest, P. R. Fain, A. G. Schwartz, A. Gazdar, J. Minna, C. Gaba, H. Rothschild, **D. M. Mandal**, E. Kupert, D. Seminara, Y. Liu, J. Clark, M. Watson, A. Viswanathan, R. Govindan, M. W. Anderson, M. You. Identification of a novel tumor suppressor gene *p34* on human chromosome 6q25.1. *Cancer Research*. 2007. 67:93-99.
13. H. Vikis, M. Sato, M. James, D. Wang, Y. Wang, M. Wang, D. Jia, Y. Liu, J. E. Bailey-Wilson, C. I. Amos, S. M. Pinney, G. P. Peterson, M. de Andrade, P. Yang, J. S. Wiest, P. R. Fain, A. G. Schwartz, A. Gazdar, C. Gaba, H. Rothschild, **D. M. Mandal**, E. Kupert, D. Seminara, A. Viswanathan, R. Govindan, J. Minna, M. W. Anderson, M. You. *EGFR-T790M* is a rare lung cancer susceptibility allele with enhanced kinase activity. *Cancer Research*. 2007. 67:4665-70.
14. **D. M. Mandal**, O. Sartor, S.L. Halton, D.E. Mercante, J.E. Bailey-Wilson, W. Rayford. Identification of Prostate Cancer Cases in Louisiana and a Comparison of Prostate Cancer Specific Clinical Data on

African-American and Caucasian Males with and without Family History. *Prostate Cancer and Prostatic Diseases*. 2008. 11:274-279.

15. P. Liu, H.G. Vikis, D. Wang, Y. Lu, Y. Wang, A.G. Schwartz, S.M. Pinney, P. Yang, M. de Andrade, G.M. Petersen, J.S. Wiest, P.R. Fain, A. Gazdar, C. Gaba, H. Rothschild, **D.M. Mandal**, T. Coons, J. Lee, E. Kupert, D. Seminara, J. Minna, J.E. Bailey-Wilson, X. Wu, M.R. Spitz, T. Eisen, R.S. Houlston, C.I. Amos, M.W. Anderson, M. You. Familial aggregation of common sequence variants on 15q24-25.1 in lung cancer. *J Natl Cancer Inst*. 2008. 100:1326-30.
16. M. You, D. Wang, P. Liu, H. Vikis, M. James, Y. Lu, Y. Wang, M. Wang, D. Jia, Y. Liu, L.J. Bierut, P. Yang, Z. Sun, Y. Wu, W. Zheng, X. Shu, J. Long, Y. Gao, Y. Xiang, W. Chow, N. Rothman, S.M. Pinney, G.M. Petersen, M. de Andrade, J.S. Wiest, P.R. Fain, A.G. Schwartz, A. Gazdar, C. Gaba, H. Rothschild, **D. M. Mandal**, J. Lee, E. Kupert, D. Seminara, J. Minna, J.E. Bailey-Wilson, C. I. Amos, and M.W. Anderson. Fine mapping of chromosome 6q23-25 region in familial lung cancer families reveals RGS17 is a likely candidate gene. *Clinical Cancer Research*. 2009. *Clinical Cancer Research*. 2009. 15:2666-74.
17. Y. Liu, P. Liu, W. Wen, M. A. James, Y. Wang, J. E. Bailey-Wilson, C. I. Amos, S. M. Pinney, P. Yang, M. de Andrade, G. M. Petersen, J. S. Wiest, P. R. Fain, A. G. Schwartz, A. Gazdar, C. Gaba, H. Rothschild, **D. M. Mandal**, E. Kupert, J. Lee, D. Seminara, J. Minna, M. W. Anderson, and M. You. Haplotype and Cell Proliferation Analyses of Candidate Lung Cancer Susceptibility Genes on Chromosome 15q24-25.1. *Cancer Research*. 2009. 69:7844-50.
18. P. Liu, H.G. Vikis, D. Wang, Y. Lu, A.G. Schwartz, S.M. Pinney, P. Yang, M. de Andrade, A. Gazdar, C. Gaba, **D.M. Mandal**, J. Lee, E. Kupert, D. Seminara, J. Minna, J.E. Bailey-Wilson, C.I. Amos, M.W. Anderson, M. You. Cumulative Effect of Multiple Loci on Genetic Susceptibility to Familial Lung Cancer. *Cancer Epidemiology, Biomarkers, & Prevention*. 2010. 19:517-24.
19. P. Liu, P. Yang, X. Wu, H. G. Vikis, Y. Lu, Y. Wang, A. G. Schwartz, S. M. Pinney, M. de Andrade, A. Gazdar, C.Gaba, **D. M. Mandal**, J. Lee, E. Kupert, D. Seminara, J. Minna, J. E. Bailey-Wilson, M. Spitz, C. I. Amos, M. W. Anderson, and M. You. A Second Genetic Variant on Chromosome 15q24-25.1 Associates with Lung Cancer. *Cancer Research*. 2010. 70:3128-35.
20. C.I. Amos, S.M. Pinney, Y. Li, E. Kupert, J. Lee, M.A. de Andrade, P. Yang, A.G. Schwartz, P.R. Fain, A. Gazdar, J. Minna, J.S. Wiest, D. Zeng, H. Rothschild, **D. M. Mandal**, M. You, T. Coons, C. Gaba, J.E. Bailey-Wilson, M.W. Anderson. A susceptibility locus on chromosome 6q greatly increases lung cancer risk among light and never smokers. *Cancer Research*. 2010. 70:2359-67.
21. Suggestive evidence of linkage identified at chromosomes 12q24 and 2p16 in African American prostate cancer families from Louisiana. E.M. Ledet, O. Sartor, W. Rayford, J.E. Bailey-Wilson, **D.M. Mandal**. *In Press*. *Prostate*. 2011.
22. Practical barriers and ethical challenges in genetic data sharing. C.M. Stein, A.J. Goldenberg, R. Culverhouse, D. Daley, R.P. Igo Jr., G.P. Jarvik, **D. M. Mandal**, D. Mascalzoni, C.G. Montgomery, B. Pierce, R. Plaetke, S. Shete, K.A.B. Goddard. *In revision*. *Genetic Epidemiology*. 2012.

C. Research Support

Ongoing Research Support

HHSN268201200007C

Mandal (PI)

10/03/2011-11/02/2016

NHLBI/NIH

“Determination of Genetic Susceptibility to Lung Cancer in Families from Southern Louisiana”

The major goal of this project is to localize genes for lung cancer using linkage and association analysis.

Role: PI

Completed Research Support (past three years)

LEQSF(2011)-PFUND-250

Mandal (PI)

03/01/2011-02/29/2012

Louisiana Board of Regents

“Germ-line copy number variation in high-risk African American families”

The major goal of this project is to identify the inherited structural variation in families with multiple affected prostate cancer cases.

3U01CA076293-10S1 Anderson (PI) 09/30/2009 – 09/29/2011
NIH/NCI ARRA Supplement
“Genetic Epidemiology of Lung Cancer”
The major goal for this project is to expand our efforts to discover additional susceptibility genes by developing a large resource of familial lung cancer cases and appropriate controls.
Role: Site PI at LSUHSC

N01-HG-65404 Mandal (PI) 10/13/1997 – 09/30/2011
“Determination of Genetic Susceptibility to Lung Cancer in Families from Southern Louisiana”
The major goal of this project is to localize genes for lung cancer using linkage and association analysis.
Role: Co-I (10/13/1997-05/30/2006), PI (6/01/2006-09/30/2011)

1 R01 HD050559-01 Flores (PI) 04/01/2006 – 03/31/2011
“SNP analysis of Endometriosis Candidate Genes”
The major goal of this project is to elucidate the mechanisms involved in the genetic susceptibility to endometriosis in a Puerto Rican population.
Role: Co-I

1R21CA14937-01 Koochekpour (PI) 03/02/2010 – 02/29/2011
NIH/NCI
“Significance of a novel germ line AR mutation in Black men with prostate cancer”
The major goal of this project is to determine the biological significance of a novel germline mutation in African Americans with familial prostate cancer.
Role: Co-I

5U01 CA076293-07 Anderson (PI) 09/01/2006 – 08/31/2010
“Genetic Epidemiology of Lung Cancer”
The major goal of this project is to recruit high-risk lung cancer families from Louisiana.
Role: Site PI at LSUHSC

Louisiana Cancer Research Consortium Mandal (Co-PI) 09/29/2008 – 08/30/2010
“Copy number variation in high-risk African-American men with prostate cancer”
The major goal of this project is to establish the use of a novel technology in estimating copy number variation in germ-line samples.
Role: Co-PI

NSF(2008)-PFUND-102 Mandal (PI) 04/01/2008 – 03/31/2009
“Genetic Characterization of Prostate Cancer Risk Locus in African-American Males with Family History.”
The major goal of this pilot project is to perform genome wide screening in high-risk families with prostate cancer.
Role: PI

R03 (1R03CA097778-01) Mandal (PI) 08/01/2002 – 06/30/2008
“Genetic Studies of Prostate Cancer in an African-American Population”
The major goals of this pilot project are to identify prostate cancer susceptibility alleles in the African-American population in Southern United States.
Role: PI

Centers for Disease Control and Prevention Mandal (PI) 08/15/2004 – 08/14/2007
“Cancer Prevention and Control”
The major goals of this project are to identify families of patients who are at increased risk for common and potentially fatal cancer in LA.
Role: PI