

Curriculum Vitae
MANISHA DESAI
June 2011

PERSONAL INFORMATION

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ACADEMIC TRAINING

Boston University	1993	B.A.	Mathematics
Boston University	1993	M.A.	Mathematics
University of Washington	1997	M.S.	Biostatistics
University of Washington	2000	Ph.D.	Biostatistics

DOCTORAL DISSERTATION

Title: Mixture Models for Genetic Changes in Cancer Cells
Sponsor: Mary J. Emond, Assistant Professor of Biostatistics, University of Washington

MEMBERSHIPS IN PROFESSIONAL SOCIETIES

The American Statistical Association

ACADEMIC APPOINTMENTS

2000 - 2009	Assistant Professor of Clinical Biostatistics, Mailman School of Public Health of Columbia University
Jan 2009 – Jul 2009	Associate Professor of Clinical Biostatistics, Mailman School of Public Health of Columbia University
Jul 2009 -	Clinical Associate Professor of Medicine, Department of Medicine of Stanford University
Jul 2009 -	Director of the Quantitative Sciences Unit Department of Medicine of Stanford University
Mar 2011 -	Clinical Associate Professor of Health Research and Policy, Department of Health Research & Policy of Stanford University

AWARDS

2002-2003	Calderone Prize for Junior Faculty Achievement, Mailman School of Public Health
May 1993	Phi Beta Kappa National Honor Society, Boston University
May 1993	Distinction in Statistics, Boston University
May 1993	Magna Cum Laude, Boston University
May 1993	Golden Key National Honor Society, Boston University
May 1993	Pi Mu Epsilon National Mathematics Honor Society, Boston University

GRANT SUPPORT

(a) Past Support

1999-2007	Biostatistician on T.J Martell Foundation for AIDS and Cancer Research M. Benson, P.I.
2000-2002	Biostatistician (25% effort) on NIH grant R01 MH59114: Jerusalem Perinatal Cohort Schizophrenia Study. D. Malaspina, P.I.
2000-2003	Biostatistician (55% effort) on ESSEL Foundation grant ESSELD CU51432001: Mental health clinical research center in schizophrenia studies. J.M. Gorman, P.I.
2002-2004	Biostatistician (10% effort) on Cystic Fibrosis Foundation grant CFFN Saiman 03A0: Infection control and microbiology practices in cystic fibrosis. L. Saiman, P.I.
2002-2003	Biostatistician (5% effort) on NIEHS grant 009089-05: Environmental health in northern Manhattan. R. Miller, P.I.
2003-2004	Biostatistician (25% effort) on NIDCR grant DE14898-01: Diabetes mellitus periodontal disease in children and adolescents. I.B. Lamster, P.I.
2003-2004	Biostatistician (5% effort) on CDC grant CU220685-0: Dissemination of cervical cancer screening to primary care physicians. S. Sheinfeld-Gorin, P.I.

- 2004-2006 Biostatistician (5% effort) on ACS grant RSGT 01-024-04: Effectiveness of cancer care in the elderly.
Alfred Neugut, P.I.
- 2002 - 2009 Biostatistician (30%) on NIH grant on NIH grant P30 CA13696-32: Columbia Cancer Center Support Grant.
Ricardo Dalla-Favera, P.I.
- 2004 - 2009 Director of Biostatistics Core (10%) on NIH grant U54 CA101598-01: Cancer research in older minority populations with a Caribbean American emphasis.
Alfred Neugut, P.I.
- 2003 - 2009 Co-Director (2.5%) on NIH grant R25 CA94061-01: Training program in cancer-related population sciences.
Alfred Neugut, P.I.
- 2006 - 2009 Biostatistician (10%) on the Breast Cancer Research Foundation grant: BCRF CU2001101: DNA repair & methylation & breast cancer risk.
Regina Santella, P.I.
- 2007 - 2009 Biostatistician (10%) on NCI grant K23 CA101669: Targeted biochemoprevention in Barrett's Esophagus.
Andrew Joe, P.I.
- 2006 - 2009 Biostatistician (5%) on NIH grant U54 ULI RR023568-01: Clinical and Translational Science Award.
Henry Ginsberg, P.I.
- 2010-2011 Co-Mentor (15%) on NIH K24 grant DK085446: Mentoring Patient Oriented Clinical Investigators in Nephrology.
Glenn Chertow, P.I.

(b) Active Support

- 2009-2014 Biostatistician on NIH grant RC1A1086927: Comparative effectiveness of ART for HIV in patients with comorbidities.
Doug Owens, P.I.
- 2009-2014 Biostatistician on Brennan Family Gift Fund: Gene expression and immune system dynamics of infection in acute and chronic diseases.
Jose Montoya, P.I.
- 2010-2011 Biostatistician on UCAKK SPO#4949 California Breast Cancer Project: Measuring real world breast cancer outcomes award.
Allison Kurian, P.I.
- 2010-2011 Biostatistician on NIH grant IU01HL103629-01: Clinic, Family & Community Collaboration To Treat Overweight and Obese Children.
Thomas Robinson, P.I.

2010-2015 Biostatistician on NIH-NHLBI-WH-11-10 HHSN26820110003C: The Women's Health Initiative Extension .
Marcia Stefanick, P.I.

UNIVERSITY AND DEPARTMENTAL COMMITTEES AND ADVISORY BOARDS

2009- Member, Steering Committee on Population Sciences Institute, SU
2008-2009 Chair, Department of Biostatistics Masters Admissions Committee, CU
2007-2009 Member, Steering Committee, Mailman School of Public Health, CU
2007-2008 Member, Department of Biostatistics Masters Admissions Committee, CU
2007-2009 Member, Department of Biostatistics Ph.D. Admissions Committee, CU
2007-2009 Member, Department of Biostatistics IT Support Search Committee, CU
2003-2009 Member, Executive Committee for the Internal Advisory Board for the Training Program in Cancer-Related Population Sciences, CU
2003-2009 Member, Protocol Review Committee for the Herbert Irving Comprehensive Cancer Center, CU
2003-2004 Organizer, Department of Biostatistics Colloquium Series, CU
2002-2003 Member, Department of Biostatistics Computing Committee, CU
2002-2004 Founder, Columbia University Microarray Working Group, CU
2002-2003 Member, Search Committee for Statistical Programmer, CU
2001-2002 Member, Department of Biostatistics Ph.D. Admissions Committee, CU

TEACHING EXPERIENCE

Biostatistics P6104
Introduction to Biostatistical Methods
Spring 2001, 2002, 2003
Enrollment = 11-19

Biostatistics P8110
Applied Regression II
Spring 2004, 2005 (co-taught with Dr. Melissa Begg), 2007, 2008
Enrollment = 19-36

Biostatistics P8114*
Statistical Issues in Microarray Data
*(*developed new course)*
Fall 2005, 2006
Enrollment = 14-23

DOCTORAL THESIS AND EXAMINATION COMMITTEES

2004 John J. Doyle, Department of Epidemiology, completed his PhD thesis entitled *Cardiac Toxicity in Breast Cancer Survivors 65 Years and Older: A Population-Based Study*.
2005 Elizabeth L. Kaufman, Department of Epidemiology, completed her PhD thesis entitled *Second Primary Cancers of the Lung after Breast Cancer Radiation Therapy and Smoking*.
2007 Heather Greenlee, Department of Epidemiology, completed her PhD thesis entitled *Antioxidant Supplements and Breast Cancer Outcomes*
2010 Yihong Zhao, Department of Biostatistics, completed her PhD thesis April 2010
2010 Julie Kranick, Department of Epidemiology, expects to complete her PhD thesis by Dec 2010

EDITORIAL ACTIVITIES

I have served as a referee for the following journals:

Journal of Computational and Graphical Statistics
Journal of Clinical Investigation
Clinical Cancer Research
Statistics in Medicine
American Journal of Epidemiology

Program Development and Mentoring

2003-2009	Co-Director of the Training Program in Cancer-Related Population Sciences
2008	Mentor for Biostatistics Enrichment Summer Training (BEST) Program
2008	Developed and delivered short course and mentored trainees in research methods for the Student Training Summer Institute

In addition to serving as the Biostatistics mentor for trainees in the above programs, I have also supervised four research assistants for the following two grants: Cancer research for older minorities with a Caribbean American emphasis, and DNA repair and methylation and breast cancer risk.

	Biostatistics mentor for Intensive Course in Clinical Research at Stanford University for 3 terms
2009-	Director, Quantitative Sciences Unit at Stanford University

COMMUNITY SERVICE

2002 – 2004	Tutor and Mentor, Grosvenor House, a community center providing after school child care and education for underprivileged children aged 5-12 in New York, New York
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BIBLIOGRAPHY

(a) Original, Peer-Reviewed Articles

- *Liu PY, LeBlanc M, Desai M. False-positive rates for randomized phase II designs. *Control Clin Trials* 1999 Aug; 20(4):343-52. [PMID: 10440561]
- Carr DB, McDonald GB, Brateng D, Desai M, Thach CT, Easterling TR. The relationship between hemodynamics and inflammatory activation in women at risk for preeclampsia. *Obstet Gynecol* 2001 Dec;98(6):1109-16. [PMID: 11755562]
- Lam JS, Desai M, Mansukhani MM, Benson MC, Goluboff ET. Is Hispanic race an independent risk factor for pathological stage in patients undergoing radical prostatectomy? *J Urol* 2003 Dec;170(6 PT 1) 2288-91. [PMID: 14634398]
- Weisberg SP, McCann D, Desai M, Rosenbaum M, Leibel RL, Ferrante AW Jr. Obesity is associated with macrophage accumulation in adipose tissue. *J Clin Invest* 2003 Dec;112(12):1796-808. [PMID: 1479176] [PMCID: PMC296995]

- Goetzl MA, Desai M, Mansukhani M, Goluboff ET, Katz AE, Sawczuk IS, Benson MC, Olsson CA, McKiernan JM. Natural history and clinical outcome of sporadic renal cortical tumors diagnosed in the young adult. *Urology* 2004 Jan;63(1):41-5. [PMID: 14751345]
- Opler MG, Brown AS, Graziano J, Desai M, Zheng W, Schaefer C, Factor-Litvak P, Susser ES. Prenatal lead exposure, d- aminolevulinic acid, and schizophrenia. *Environ Health Perspect* 2004 Apr;112(5):548-52. [PMID: 15064159]
- Bemis DL, Capodice JL, Desai M, Buttyan R, Katz AE. A concentrated aglycone isoflavone preparation (GCP) that demonstrates potent anti-prostate cancer activity in vitro and in vivo. *Clin Cancer Res* 2004 Aug 1; 10(15):5282-92. [PMID: 15297432]
- Chen AC, MacChia RJ, Conway F, Magai C, Desai M, Neugut AI. Prostate-specific antigen, sex steroid hormones, and the insulin-like growth factor axis in U.S.-born, Jamaican, and Haitian black men: a pilot study. *Urology* 2004 Sep;64(3):522-7. [PMID: 15351583]
- Lam JS, Sclar JD, Desai M, Mansukhani MM, Benson MC, Goluboff ET. Is Hispanic race an important predictor of treatment failure following radical prostatectomy for prostate cancer? *J Urol* 2004 Nov;172(5 Pt 1) 1856-9. [PMID: 15540738]
- *Desai M, Emond MJ. A new mixture model approach to analyzing allelic-loss data using Bayes factors. *BMC Bioinformatics* 2004 Nov 24;5:182. [PMID: 15563371]
- Gorin SS, Ashford AR, Lantigua R, Hossain A, Desai M, Troxel A, Gemson D. Effectiveness of academic detailing on breast cancer screening among primary care physicians in an underserved community. *J Am Board Fam Med* 2006 Mar-Apr; 19(2)110-21. [PMID: 16513899]
- Zhou J, Garber E, Desai M, Saiman L. Compliance of clinical microbiology laboratories in the United States with current recommendations for processing respiratory tract specimens from patients with cystic fibrosis. *J Clin Microbiol* 2006 Apr; 44(4):1547-9. [PMID: 16597890]
- Mitchell RE, Desai M, Shah JB, Olsson CA, Benson MC, McKiernan JM. Preoperative serum prostate specific antigen remains a significant prognostic variable in predicting biochemical failure after radical prostatectomy. *J Urol* 2006 May; 175(5):1663-7. [PMID: 16600724]
- McKiernan JM, Masson P, Murphy AM, Goetzl M, Olsson CA, Petrylak DP, Desai M, Benson MC. Phase I trial of intravesical docetaxel in the management of superficial bladder cancer refractory to standard intravesical therapy. *J Clin Oncol* 2006 Jul 1; 24 (19): 3075-80. [PMID: 16809732]
- Herman DB, Brown AS, Opler MG, Desai M, Malaspina D, Bresnahan M, Schaefer CA, Susser ES. Does unwantedness of pregnancy predict schizophrenia in the offspring? Findings from a prospective birth cohort study. *Soc Psychiatry Psychiatr Epidemiol* 2006 Aug; 41 (8): 605-10. [PMID: 16732398]
- Shen J, Desai M, Agrawal M, Kennedy DO, Senie RT, Santella RM, Terry MB. Polymorphisms in nucleotide excision repair genes and DNA repair capacity phenotype in sisters discordant for breast cancer. *Cancer Epidemiol Biomarkers Prev* 2006 Sep; 15(9):1614-9. [PMID: 16985021]
- Fine RL, Chen J, Balmaceda C, Bruce JN, Huang M, Desai M, Sisti MB, McKhann GM, Goodman RR, Bertino JS Jr, Nafziger AN, Fetell MR. Randomized study of paclitaxel and tamoxifen deposition into human brain tumors: implications for the treatment of metastatic brain tumors. *Clin Cancer Res* 2006 Oct 1;

12(19): 5770-6. [PMID: 17020983]

Mitchell RE, Shah JB, Desai M, Mansukhani MM, Olsson CA, Benson MC, McKiernan JM. Changes in prognostic significance and predictive accuracy of Gleason grading system throughout PSA era: impact of grade migration in prostate cancer. *Urology* 2007 Oct;70(4):706-10. [PMID: 17707892]

Guerrero-Preston R, Santella RM, Blanco A, Desai M, Berdasco M, Fraga M. Global DNA hypomethylation in liver cancer cases and controls: a phase I preclinical biomarker development study. *Epigenetics* 2007 Oct-Dec ; 2(4):223-6. [PMID: 18032927]

Gorin SS, Ashford AR, Lantigua R, Desai M, Troxel A, Gemson. Implementing academic detailing for breast cancer screening in underserved communities. *Implement Sci* 2007 Dec 17; 2:43. [PMID: 18086311]

Fine RL, Fogelman DR, Schreiber SM, Desai M, Sherman W, Strauss J, Guba S, Andrade R, Chabot J. The gemcitabine, docetaxel, and capecitabine (GTX) regimen for metastatic pancreatic cancer: a retrospective analysis. *Cancer Chemother Pharmacol* 2008 Jan; 61(1):167-75. [PMID: 17440727]

Kaufman EL, Jacobson JS, Hershman DL, Desai M, Neugut AI. Effect of breast cancer radiotherapy and cigarette smoking on risk of second primary lung cancer. *J Clin Oncol* 2008 Jan 20; 26(3):392-8. [PMID: 18202415]

*Desai M, Begg MD. A comparison of regression approaches for analyzing clustered data. *Am J Public Health* 2008 Aug; 98(8):1425-9. [PMID: 18556621]

* Garber E, Desai M, Zhou J, Alba L, Angst D, Cabana M, Saiman L; CF Infection Control Study Consortium.. Barriers to adherence to cystic fibrosis infection control guidelines. *Pediatr Pulmonol* 2008 Sep; 43(9):900-7. [PMID: 18671274]

Laudano MA, Klafter FE, Katz M, McCann TR, Desai M, Benson MC, McKiernan JM. Pathological tumor diameter predicts risk of conventional subtype in small renal cortical tumors. *BJU Int* 2008 Nov; 102(10):1385-8. [PMID: 18710458]

Kaufman BD, Desai M, Reddy S, Osorio JC, Chen JM, Mosca RS, Ferrante AW, Mital S. Genomic profiling of left and right ventricular hypertrophy in congenital heart disease. *J Card Fail* 2008 Nov; 14(9):760-7. [PMID: 18995181]

Mann MJ, DeCastro GJ, Desai M, Benson MC, McKiernan JM. Predictive significance of surgical margin status following prostatectomy for prostate cancer over the PSA era. *Urology* 2008 Dec;72(6):1203-7. [PMID: 18674807]

Pierorazio P, Desai M, McCann T, Benson M, McKiernan J. The relationship between preoperative prostate-specific antigen and biopsy Gleason sum in men undergoing radical retropubic prostatectomy: a novel assessment of traditional predictors of outcome. *BJU Int* 2009 Jan; 103(1):38-42. [PMID: 18778352]

Laudano MA, Lambert SM, Masson P, McCann TR, Desai M, Benson MC, McKiernan JM. How often do available preoperative risk factors accurately predict risk assessed postoperatively in localized prostate cancer? *BJU Int* 2009 Feb; 103(3):317-20. [PMID: 18778341]

Bemis D, Katz A, Capodice JL, Desai M, Hall J, Buttyan R. beta-carboline alkaloid enriched extract from the amazonian rainforest tree pao Pereira suppresses prostate cancer cells. *J Soc Integr Oncol* 2009 Spring;

7(2): 59-65. [PMID: 19476740]

- Crew KD, Gammon MD, Steck SE, Hershman DL, Cremers S, Dworakowski E, Shane E, Terry MB, Desai M, Teitelbaum SL, Neugut AI, Santella RM. Association between plasma 25-hydroxyvitamin D and breast cancer risk. *Cancer Prev Res(Phila)* 2009 Jun; 2(6):598-604. [PMID: 19470790] [PMCID:PMC3077714]
- Greenlee H, Gammon MD, Abrahamson PE, Gaudet MM, Terry MB, Desai M, Teitelbaum SL, Neugut AI, Jacobson JS. Prevalence and predictors of antioxidant supplement use during breast cancer treatment: the Long Island Breast Cancer Study Project. *Cancer* 2009 Jul; 115(14): 3271-82. [PMID: 19507173]
- Laudano MA, Badani KK, McCann TR, Mann MJ, Ritch C, Desai M, Benson MC, McKiernan JM. Significant change in predicted risk of biochemical recurrence after radical prostatectomy more common in black than in white men. *Urology* 2009 Sep; 74(3):660-4. [PMID: 19589568]
- Tehranifar P, Neugut AI, Phelan JC, Link BG, Liao Y, Desai M, Terry MB. Medical advances and racial/ethnic disparities in cancer survival. *Cancer Epidemiol Biomarkers Prev* 2009 Oct; 18(10):2701-8. [PMID: 19789367]
- Borgovan T, Bellistri JP, Slack KN, Kopelovich L, Desai M, Joe AK. Inhibition of BCL2 expression and activity increases H460 sensitivity to the growth inhibitory effects of polyphenon E. *J Exp Ther Oncol* 2009; 8(2): 129-44. [PMID: 20192119]
- Murphy AM, Berkman DS, Desai M, Benson MC, McKiernan JK, Badani KK. The number of negative pelvic lymph nodes removed does not affect the risk of biochemical failure after radical prostatectomy. *BJU Int* 2010 Jan; 105(2): 176-9. [PMID: 19549117]
- Laudano MA, Barlow LJ, Murphy AM, Petrylak DP, Desai M, Benson MC, McKiernan JM. Long-term clinical outcomes of a phase I trial of intravesical docetaxel in the management of non-muscle-invasive bladder cancer refractory to standard intravesical therapy. *Urology* 2010 Jan; 75(1): 134-7. [PMID: 19913890]
- Linde, R, Peng L, Desai M, Feldman D. The Role of vitamin D and the SLC01B1 gene polymorphism in statin-associated myalgias. *Dermato-Endocrinology* 2010 Apr;2(2):77-84. [PMID:21547103] [PMCID:PMC3081682]
- Kranick JA, Schaefer C, Rowell S, Desai M, Petrek JA, Hiatt RA, Senie RT. Is pregnancy after breast cancer safe? *Breast J* 2010 Jul-Aug; 16(4):404-11. [PMID: 20522097]
- Korets R, Motamedinia P, Yeshchina O, Desai M, McKiernan JM. Accuracy of the Kattan nomogram across prostate cancer risk-groups. *BJU Int* 2010 Nov 9. doi: 10.1111/j.1464-410X.2010.09838.x. [Epub ahead of print] [PMID: 21062396]
- Piggott K, Deng J, Warrington K, Younge B, Kubo JT, Desai M, Goronzy JJ, Weyand CM. Blocking the NOTCH pathway inhibits vascular inflammation in large vessel vasculitis. *Circulation* 2011 Jan 25; 123(3): 309-18. [PMID: 21220737]
- Chang TI, Friedman GD, Cheung AK, Greene T, Desai M, Chertow GM. Systolic blood pressure and mortality in prevalent hemodialysis patients in the HEMO study. *J Hum Hypertens* 2011 Feb; 25(2): 98-105. [PMID: 20410919]
- Chang TI, Desai M, Solomon DH, Winkelmayr WC. Kidney function and long-term medication adherence after myocardial infarction in the elderly. *Clin J Amer Soc Nephrol* 2011 Apr; 6 (4): 864-9. [PMID: 21233459]

Lee DJ, Ritch C, Desai M, Benson MC, McKiernan JM. The interaction of body mass index and race in predicting biochemical failure after radical prostatectomy. *BJU Int* 2011 Jun;107(11):1741-7. doi: 10.1111/j.1464-410X.2010.09768.x [PMID: 20942835]

*Desai M, Kubo J, Esserman D, Terry MB. The Handling of Missing Data in Molecular Epidemiologic Studies. *Cancer Epidemiol Biomarkers Prev* 2011, in press.

(b) Manuscripts under Review

*Nelson MD, Prabhakar P, Kondragunta V, Desai M, Kornman K, Gardner C. Low Carbohydrate or Low Fat Diet for Greater Weight Loss Success? The Right Choice Depends on Your Genotype. *NEJM* 2011, submitted.

*Tan JC, Paik J, Chertow GM, Grumet FC, Desai M. Donor-Recipient Sex Mismatch in Kidney Transplantation. *Transplantation* 2011, submitted.

Desai M, Esserman D, Gammon M, Terry MB. The Use of Multiple Imputation in Molecular Epidemiologic Studies Assessing Interaction Effects. *Epidemiologic Perspectives and Innovations*, 2011, under revision (MS# 1146783574976462).

(c) Other Publications

* Desai M. A commentary on the study by Veleza et al. Human Reproduction. *Advance Access* 2009 Mar 24. doi:10.1093/humrep/dep042.

INVITED LECTURES

Desai M, Emond MJ. *Mixture models for genetic changes in cancer cells*, Boston, MA, Boston University 2000

Desai M, Emond MJ. *Mixture models for genetic changes in cancer cells*, New York, NY, Columbia University 2000

Desai M, Emond MJ, *Mixture models for genetic changes in cancer cells*, New York, NY, Memorial Sloan-Kettering Cancer Center, 2001

Desai M, Emond MJ, *Mixture models for genetic changes in cancer cells*, University Park, PA, Pennsylvania State University, 2001

Desai M, Emond MJ, *Mixture models for genetic changes in cancer cells*, New York, NY, Columbia University Seminar in Genetic Epidemiology, May 16, 2002

Desai M, *Overview of Statistical Approaches for Analyzing Microarray Data*, New York, NY, Columbia University Microarray Working Group, May 29, 2002

Desai M, Emond MJ, *Mixture Models for Genetic Changes in Cancer Cells*, New York, NY, Columbia University Statistical Methods in Genetic Epidemiology, July 9, 2002

Desai M, *An Introduction to Microarray Data Analysis*, New York, NY, Guest Lecture for Principles of Genetics for Biostatisticians, November, 2003

Desai M, *Assessing Interaction Effects on Emotional Status in Breast Cancer Screening*, New York, NY, U54 Partnership Methods and Measurement Seminar, December 12, 2003

- Desai M, *An Introduction to Microarray Data Analysis*, New York, NY, Guest Lecture for Colloquium on Patient-Oriented Research, October 2004
- Desai M, *An Introduction to Microarray Data Analysis*, New York, NY, Guest Lecture for Colloquium on Patient-Oriented Research, October 2005
- Desai M, *An Introduction to Microarray Data Analysis*, New York, NY, Guest Lecture for Colloquium on Patient-Oriented Research, November 2006
- Desai M, *An Introduction to Microarray Data Analysis*, New York, NY, Guest Lecture for Principles of Genetics for Biostatisticians, April 2007
- Desai M, *The Role of Biostatistics in Public Health*, Cherry Hill, NJ, Guest Speaker for Cherry Hill Rotary Club, July 2008
- Desai M, *An Introduction to Missing Data and Multiple Imputation*, Department of Medicine, Division of Nephrology, Stanford University, February 2010
- Desai M, *An introduction to missing data and imputation methods*, Quantitative Sciences Unit Research Methods Seminar, Department of Medicine, Division of General Medical Disciplines, Stanford University, January 2011
- Desai M, Cullen M, Kubo M, *Modeling the hazard of injury as a function of experience among hourly aluminum manufacturing workers*, Quantitative Sciences Unit Research Methods Seminar, Division of General Medical Disciplines, Stanford University, March 2011
- Desai M, *Missing Data in Clinical Trials*, Lecture 15 Department of Health, Research and Policy, Stanford University, May 2011

PRESENTATIONS AT PROFESSIONAL MEETINGS

- Desai M, Emond MJ. *Methods for testing for more than one population of proportions with application to allelic-loss data*. International Biometric Society, Eastern North American Region (ENAR), Atlanta, GA, 1999.
- Desai M, Emond MJ, *A new importance-sampling method for computing Bayes factors in mixture models with application to allelic-loss data*, International Biometric Conference, Western North American Region (WNAAR), San Francisco, CA, 2000
- Desai M, *Mixture Models for P-values Applied to Microarray Experiments*, New York, NY, Joint Statistical Meetings, August 12, 2002
- Desai M, *Multiple Imputation as a Bias-Reducing Tool for Non-Ignorably Missing Data*, Newark, NJ, Frontiers of Applied Computation and Mathematics, May 2008
- Desai M, Terry MB, *Using Auxiliary Data in Molecular Epidemiologic Studies*, Anaheim, CA, Society for Epidemiologic Research, June 2009
- Desai M, *Imputation Methods for Handling Missing data*, Denver, CO, American Society of Nephrology, November 2010