

## EDUCATION

<b>Harvard School of Public Health</b> (Boston, MA)	Sc.M. in Biostatistics (Minor in Epidemiology) <i>Distinction in Teaching / NIEHS Environmental / Pfizer Scholar</i>	2001
	Survey Methods, Analytical Chemistry & Exposure Assessment	2005 – 2006
<b>Duke University</b> (Durham, NC)	B.A. in Mathematics (Minor in Spanish) <i>Cum Laude / Phi Eta Sigma, Baxter scholar</i>	1999
<b>SAS Institute</b> (Cary, NC)	SAS Report Writing, SAS Macro Language Essentials	2002, 2008

## RELEVANT EXPERIENCE

<b>Massachusetts General Hospital</b> (Boston, MA)	Bioinformatics Specialist	June 2009 – present
	<ul style="list-style-type: none"> <li>Lead statistician on all phases of clinical trials in psychiatric (e.g. OCD, BDD, SAD) and eating disorders</li> <li>Analyze results and summarize findings in tables, graphs, and listings programmed in SAS</li> <li>Develop training material/procedural documentation; train research assistants in principles of forms/database design</li> </ul>	
<b>Health Decisions</b> (Durham, NC – 80%, remote work)	Biometrician (II)	Sep 2007 – May 2009
	<ul style="list-style-type: none"> <li>Lead statistician on all phases of clinical trials, ranging in application from cancer to drug addiction</li> <li>Design clinical trials (including group sequential trials) and prepare executive summaries for pharmaceutical sponsors</li> <li>Prepare randomization schedules, review case report forms, and write validation rules/logical checks for database cleaning</li> <li>Write statistical sections of protocols, statistical analysis plans, and create dataset documentation based on CDISC standards</li> <li>Create live, web-based reports using SAS/Internet to monitor data in preparation for interim and final analyses</li> <li>Analyze results and summarize findings in tables, graphs, and listings programmed in SAS</li> <li>Develop on-line training material and procedural documentation</li> <li>Prepare output for FDA submissions and work with pharmaceutical sponsors during FDA reviews and audits</li> <li>Periodically review study budgets – Met all timelines for deliverables and stayed under budget as a 75% full-time, remote employee</li> </ul>	
<b>U.S. Fulbright Grant</b> (India)	Independent Researcher	Nov 2006 – Aug 2007
	<ul style="list-style-type: none"> <li>Employed survey &amp; statistical methods to describe the variation in modern-day <i>Bharatanatyam</i> (classical Indian) dance practice</li> <li>Designed, piloted, and validated questionnaires used to systematically gather data from over 200 teachers and students around India</li> <li>Analyzed the data using regression and clustering techniques</li> <li>Presented results at the 41<sup>st</sup> Congress on Research in Dance conference at Hollins University; publication pending</li> </ul>	
<b>Dana-Farber Cancer Institute</b> (Boston, MA)	Biostatistician II	2001 – Oct 2006
	<ul style="list-style-type: none"> <li>Designed, analyzed, &amp; reported data on clinical trials &amp; lab studies in breast cancer, prostate cancer, and complimentary medicine <ul style="list-style-type: none"> <li>Designed using EaST &amp; StatXact; Programmed in SAS &amp; Splus; Simultaneously worked on 10 studies in various stages of development</li> </ul> </li> <li>Lead statistician for int'l Phase III clinical trial with &gt;8,000 patients, reported to regulatory authorities</li> <li>Published findings in peer-reviewed journals (including NEJM) and presented work at national &amp; international oncology conferences</li> <li>Conducted simulations to examine power in presence of competing risks &amp; extrapolation of survival analysis to a more heterogenous pop'n</li> <li>Managerial experience: <ul style="list-style-type: none"> <li>Supervised programmers for generation of reports to FDA</li> <li>Created &amp; maintained comprehensive training manuals for biostatisticians; trained data managers in roles &amp; needs of biostatisticians</li> </ul> </li> </ul>	
<b>HealthMETRICS Partners</b> (Cambridge, MA)	Statistical Consultant	2003 – 2004
	<ul style="list-style-type: none"> <li>Cleaned &amp; analyzed questionnaire data to identify key determinants of patient &amp; staff satisfaction with medical practices/programs</li> <li>Generated statistical reports summarizing results for non-statisticians</li> </ul>	
<b>Harvard School of Public Health</b> (Boston, MA)	Research Associate	1999 – 2000
	<ul style="list-style-type: none"> <li>Investigated the influence of measurement error correction in a study examining the health effects of exposure to Methyl <i>Tertiary</i>-Butyl Ether under the direction of Dr. Donna Spiegelman</li> <li>Co-authored publication describing methods &amp; results of analyses</li> </ul>	

## SELECT GRANTS

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 Fulbright Grant in Dance (India): Decoding the Modern Practice of Bharatanatyam (Statistical study of dance)

2006-2007

## SELECT PUBLICATIONS

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- Wong JS, Taghian AG, Bellon JR, **Keshaviah A**, Smith BL, Winer EP, Silver B, Harris JR. Tangential Radiotherapy Without Axillary Surgery in Early-Stage Breast Cancer: Results of a Prospective Trial. *Int J Radiat Oncol Biol Phys*. 2008 Apr 2.
  - Ligibel JA, Campbell N, Partridge A, Chen WY, Salinardi T, Chen H, Adloff K, **Keshaviah A**, Winer EP. Impact of a Mixed Strength and Endurance Exercise Intervention on Insulin Levels in Breast Cancer Survivors. *J Clin Oncol*. 2008 Feb 20;26(6):907-12.
  - Mouridsen H, **Keshaviah A**, Coates AS, Rabaglio M, Castiglione-Gertsch M, Sun Z, Thürlimann B, Mauriac L, Forbes JF, Paridaens R, Gelber RD, Colleoni M, Smith I, Price KN, Goldhirsch A. Cardiovascular adverse events during adjuvant endocrine therapy for early breast cancer using letrozole or tamoxifen: safety analysis of trial BIG 1-98. *J Clin Oncol*. 2007 Dec 20;25(36):5715-22.
  - **Keshaviah A**, Dellapasqua S, Rotmensz N, Lindtner J, Crivellari D et al. CA15-3 and alkaline phosphatase as predictors for breast cancer recurrence: a combined analysis of seven International Breast Cancer Study Group trials. *Ann Oncol*. 2007 Apr;18(4):701-8.
  - **Keshaviah, Aparna**. "Tradition vs. Innovation: The Dangers of Binary Thinking." *PULSE magazine*. Spring 2007.
  - Coates AS, **Keshaviah A**, Thurlimann B, Mouridsen H, Mauriac L, et al. Five years of letrozole compared with tamoxifen as initial adjuvant therapy for postmenopausal women with endocrine-responsive early breast cancer: update of study BIG 1-98. *J Clin Oncol*. 2007 Feb 10;25(5):486-92.
  - Thurlimann B, **Keshaviah A**, Coates AS, Mouridsen H, Mauriac L, et al. Breast International Group (BIG) 1-98 Collaborative Group. A comparison of letrozole and tamoxifen in postmenopausal women with early breast cancer. *N Engl J Med*. 2005 Dec 29;353(26):2747-57.
  - Burstein HJ, Parker LM, **Keshaviah A**, Doherty J, Partridge AH, et al. Efficacy of pegfilgrastim and darbepoetin alfa as hematopoietic support for dose-dense every-2-week adjuvant breast cancer chemotherapy. *J Clin Oncol*. 2005 Nov 20;23(33):8340-7.
  - **Keshaviah A**, Weller E, White M, Mannino D, Spiegelman D. Occupational Exposure to Methyl Tertiary- Butyl Ether in Relation to Key Health Symptom Prevalence: The Effect of Measurement Error Correction. *Environmetrics*. 2003 Sep 2; 14(6): 573-582.
  - Porter D, Lahti-Domenici J, **Keshaviah A**, Bae YK, Argani P, et al. Molecular Markers of Ductal Carcinoma *in Situ* of the Breast. *Mol Cancer Res*. 2003 Mar; 1(5): 362-75.
  - D'Amico AV, **Keshaviah A**, Manola J, Cote K, Loffredo M, et al. Clinical utility of the percentage of positive prostate biopsies in predicting prostate cancer-specific and overall survival after radiotherapy for patients with localized prostate cancer. *Int J Radiat Oncol Biol Phys*. 2002 Jul 1; 53(3): 581-7.
  - Zucker RM, **Keshaviah AP**, Price OT, Goldman, JM. Confocal Laser Scanning Microscopy of Rat Follicle Development. *The Journal Of Histochemistry & Cytochemistry*. 2000 Jun; 48(6): 781-91.

## SELECT PRESENTATIONS

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 "SAS Macro Language Essentials"

Health Decisions, Inc. (Durham, NC, 2009)

"CA 15-3 and Alkaline Phosphatase as Predictors for Breast Cancer Recurrence"

International Breast Cancer Study Group (IBCSG) Annual Meeting (Nice, France, 2006)

"An Overview of P-Value Adjustment Methods"

Dana-Farber Cancer Institute (Boston, MA, 2005)

"Understanding Statistics in the Context of BIG 1-98"

Frontier Science Technology &amp; Research Foundation, Data Management Center (Buffalo, NY, 2005)

## COMPUTER SKILLS

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<i>Programming languages:</i>	SAS (including Base, Stat, Internet, and Macro), Splus, STATA, C++
<i>Statistical design packages:</i>	nQuery, EaST, StatXact, Maple, Matlab, Epi Info, LaTeX
<i>Databases:</i>	MS Access, Oracle, INGRES
<i>Windows packages:</i>	MS Word, MS Excel, Adobe Illustrator, UltraEdit
<i>Platforms:</i>	UNIX, Windows

## OTHER

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 Professional *Bharatanatyam* (south Indian classical dance) performer, teacher, & researcher