

LINDA E. GREEN

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EDUCATION

Ph.D., Mathematics, Princeton University, 1996
B.S./M.S., Mathematics, University of Chicago, 1990

EXPERIENCE

2013 – present	Lecturer University of North Carolina at Chapel Hill Teach math classes and design curriculum.	Chapel Hill, NC
2010 – 2013	Assistant Professor Dominican University of California Taught math and statistics classes and guided undergraduate research.	San Rafael, CA
2009 – 2010	Visiting Assistant Professor Mills College Designed and taught math and statistics classes for majors and non-majors, including calculus, linear algebra, and probability and statistics.	Oakland, CA
2006 – 2009	Scientist Archimedes, Inc. Built mathematical model of breast cancer, including natural history and mammogram screening. Designed computer simulations of clinical trials and analyzed cost-effectiveness of alternative health care strategies.	San Francisco, CA
2000 – 2002	Senior Analyst / Programmer Wake Forest University School of Medicine Wrote C++ software to simulate genetic data and to perform statistical analyses.	Wake Forest, NC
1998 – 1999	Mathematician Applied Mathematics, Inc. Performed statistical analysis of data, designed mathematical models using Matlab.	Raleigh, NC
1997 – 1998	Teacher North Carolina School of Science and Mathematics Taught precalculus classes. Designed and taught Java seminar.	Durham, NC
1996 – 1997	Postdoctoral Fellow Mathematical Sciences Research Institute Conducted research and wrote software in the field of topology.	Berkeley, CA
1995 – 1996	Lecturer Princeton University Assisted with multivariable calculus and co-taught “Chance”, an introductory statistics class based on current news.	Princeton, NJ

PROFESSIONAL ACTIVITY

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- 2009 – 2013 **Director** San Rafael, CA
Marin Math Circle
Founding director of a math circle for 3rd – 12th grade students. Organize weekly meetings for about 80 students, invite speakers, and lead sessions and contests.
- 2011 – 2013 **Director** Berkeley, CA
Bay Area Mathematical Olympiad (BAMO)
Organize annual proof-style contest taken by about 450 students around the San Francisco Bay Area. Oversee registration, contest creation, and awards ceremony.

HONORS AND AWARDS

- AT&T Bell Labs Graduate Fellowship for Women (1990 – 1995)
- Office of Naval Research Graduate Research Fellowship (1990 – 1993)
- Association for Women in Mathematics National Prize for Best Undergraduate Woman in Mathematics (1990)
- University of Chicago Paul Cohen Award for Best Undergraduate Math Major (1990)
- Phi Beta Kappa and Sigma Xi (1990)

COMPUTER SKILLS

C, C++, Java, SAS, R, Matlab, TeX, Excel

SELECTED PRESENTATIONS AND PUBLICATIONS

- Green, LE et al. "An estrogen model: the relationship between body mass index, menopausal status, estrogen replacement therapy, and breast cancer risk," **Computational and Mathematical Methods in Medicine**, 2012.
- Noah-Vanhoucke J et al. "Cost-Effectiveness of Chemoprevention of Breast Cancer Using Tamoxifen in a Post-Menopausal U.S. Population" **Cancer**, 2011; 117(15) 3323-3331.
- Green LE et al. "Should the frequency of screening mammograms depend on a woman's age?" (Abstract / Presentation) *Conference on Mathematics for Industry: Challenges and Frontiers*, Society for Industrial and Applied Mathematics, San Francisco, CA, 2009.
- Green LE. "A breast cancer model for health care decision-making" (Invited Address) *Biology and Mathematics in the Bay Area (BAMBA) – V*. University of Santa Cruz, Santa Cruz, CA. 2009.
- Bensen JT et al. "Nucleotide variation, haplotype structure, and association with end-stage renal disease of the human interleukin-1 gene cluster" **Genomics** 2003; 82(2): 194-217.
- Graham RR et al. "Visualizing human leukocyte antigen class II risk haplotypes in human systemic lupus erythematosus" **Am J Hum Genet** 2002; 71:543–553.
- Green LE et al. "Power comparison of phase-known versus phase-unknown haplotype analyses for case-control designs" (Abstract) **Am J Hum Genet** 2001; 69: 1948a.
- Green LE. "Incompressible Surfaces in Handlebodies" **Topology** 2000; 39: 681-710.