

# Curriculum Vitae

## Yun Joo Yoo

Section on Statistical Genetics, Department of Biostatistics,  
University of Alabama at Birmingham

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## Academic Preparation:

Ph.D in Statistics, Department of Applied Math & Statistics, Stony Brook University,  
2004

Concentrations : Statistical genetics.

Dissertation : Power Study of Likelihood-based Linkage Statistics

Advisor : Dr. Nancy R. Mendell ([nmendell@notes.cc.sunysb.edu](mailto:nmendell@notes.cc.sunysb.edu))

M.A., Mathematics Education, Department of Mathematics Education, Seoul National  
University, Korea, 1999

Concentration : Theory of Mathematics Education

Dissertation : A Study on Social Constructivism of Mathematics Education

Adviser : Dr. Jung Ho Woo

B.A., Mathematics, Department of Mathematics Education, Seoul National University,  
Korea, 1995

Concentration: Calculus, Abstract Algebra, Real and Complex analysis, Statistics and  
Learning Theory of Mathematics

## Research Experience :

Barbados Eye Study : Refractive Error, Open Angle Glaucoma, Visual Impairment,  
Intraocular Pressure (2004~2005)

Development of programs(C) for the calculation of maximized LOD and HLOD scores  
(2003-2004)

Genetic Analysis Workshop 13 (2002)

Evaluation of design and analysis of data for lifestyle trial for Prostate cancer in  
Preventive Medicine Research Institute, Sausalito, CA (2001~2002)

## **Employment:**

Postdoctoral Fellow at University of Alabama at Birmingham, 2006~

Biostatistician in Preventive Medicine at Stony Brook University, 2004~2005

Teaching Assistant in Applied Math & Statistics at Stony Brook University, 2001~2004

Research Assistant at Korean Institute of Curriculum and Evaluation, 1999

Public School Teacher (Junior High, Mathematics), Seoul, Korea, 1996

## **Teaching Experience :**

Instructor , Spring 2004  
Applied Math & Statistics, SUNY, Stony Brook  
Elements of Statistics

Teaching of Statistical Genetics Software Workshop(LINKAGE, GENEHUNTER), Some Sessions of Fall 2003  
Applied Math & Statistics, SUNY, Stony Brook  
Quantitative Genetics by Dr. Mendell

Instructor, Fall 2003  
Applied Math & Statistics, SUNY, Stony Brook  
Elements of Statistics

Instructor, Spring 2003  
Applied Math & Statistics, SUNY, Stony Brook  
Elements of Statistics

Instructor, Fall 2002  
Applied Math & Statistics, SUNY, Stony Brook  
Statistics in Engineering Quality Control

## **Research Skills & Language:**

Statistical Genetics Packages :  
LINKAGE package, GENEHUNTER, LIPED, SLINK, HOMOG

Computer Related Skills:  
Programming: C/C++, Fortran  
Operating System : UNIX, LINUX, WINDOWS  
Statistical Software: EXCEL, SAS, SPSS, MINITAB, S-PLUS, R

Language  
Korean : Native Language  
English : Fluent

## **Current Research :**

Haplotype Construction Algorithm

SNP selection for Association Study

Null distributions of Maximized LOD scores in Linkage Analysis

Power Study of Maximized LOD & HLOD scores in Linkage Analysis

## **Publications:**

Wu SY, Yoo YJ, Nemesure B, Hennis A, Leske MC and the Barbados Eye studies Group. **9-year refractive changes in the Barbados Eye Studies.** *Investigative Ophthalmology & Visual Science*, 2005, 46(11), 4032-4039

Yoo YJ, **Power study of likelihood based linkage statistics**, Stony Brook University 2004, Doctoral Dissertation

Ulgen A, Yoo YJ, Gordon D, Finch S & Mendell NR, **Percentiles of the null distribution of 2 maximum Lod score tests**, *Human Heredity*, 2004, 57(1), 39-48

Yoo YJ, Huo Y, Ning Y, Gordon D, Finch S & Mendell NR, **Power of maximum HLOD tests to detect linkage to obesity genes**, *BMC genetics* 2003, 4(Supp 1), S16