REPORT ON FALL 2004 PROFESSIONAL DEVELOPMENT ASSIGNMENT

Amongst the planned objectives of my professional development leave during the Fall Semester of 2004, the following were achieved:

Publications and New Research Initiatives

On Developing Procedures for analyzing Microarray Data


2. Xu, L. George, E.O. and Sutter, T. An Exact Non-parametric Multiple Comparisons Procedure for Clustering Genes in Response to Treatment. (To be submitted to Statistical Applications in Genetics and Molecular Biology)

3. Bayesian Predictive Models for Survival Profile of Cancer Patients using Microarray and Clinical Data (With my Graduate Students, Wu and Zhou; Giri Narasimhan and his graduate student Zheng) (We expect to produce two PhD Theses and several publications from this research initiative)

On Developing Procedures for Developmental Teratology Data


3. George, EO, Yuan,,L. and Jiang, X Analysis of Exchangeable Multinomial Data ( to be submitted to JASA)

On Developing Procedures for Clinical Survival Data


Grant Submitted (to NSF)

An Integrated Data Base Approach to Microarray Data Analysis (PI) $274,000 June 2005-May 2009
Service on NIH Grants Review

1. Biostatistical Methods and Research Design (BMRD) study section as full member of the study Panel, reviewing several grants

2. National Institute of Mental Health study section as an invited temporary member

Service Within the University

I maintained all my service activities relating to the Bioinformatics Program: This included serving as Chair of the Search Committee for the Bioinformatics Director;

Helping to coordinate the visit of the TBR Peer Reviewer Dr. Bruce Weir of the University of North Carolina State

Advising Students

Attending Computer Science Division Meetings