CURRICULUM VITAE

Deming Mi

Vanderbilt University Medical Center
Department of Biostatistics
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EDUCATION:

M.S. in Applied Statistics, 08/2002—05/2004
Department of Statistics, Purdue University, W. Lafayette, IN

M.S. in Biological Sciences, 08/2000—05/2002
Department of Biological Sciences, Purdue University, W. Lafayette, IN

M.D. in Clinical Medicine, 09/1992—07/1999
Tongji Medical College of Huazhong University of Science and Technology

SKILLS AND QUALIFICATIONS:

Statistical Analysis Methods: high dimensional data analysis, experimental design, survival analysis, longitudinal data analysis, linear regression analysis, generalized linear regression analysis.

Statistical Computing Software: Proficient in R/S-PLUS; proficient in SAS Base, SAS/STAT, SAS/IML, SAS/GRAPH and SAS Macro Language; experienced with SPSS, Matlab, Excel and Access.

Computing Platforms: UNIX, Windows 2000/NT/XP.

Communication Skills: Able to explain complex statistical issues clearly to non-specialists in written and spoken English

POSITIONS HELD:

Biostatistician II: Vanderbilt University Medical Center, Department of Biostatistics, 06/2004—present.

Provide data analysis service for Mass Spectrometry Research Center. Provide statistical consultation in the design of mass spectrometry research projects. Assist graduate students and research fellows in data processing and analysis.

Statistical Design and Software Consultant: Purdue University Statistical Consulting Service, 06/2003—06/2004.

Provide advice and assistance with all phases of research projects including proposal preparation, design of studies, data input strategies, data import/export, analysis of data, interpretation of results, presentation of results and other statistics or probability problems. Offer advice and assistance with the set up, running and interpretation of a wide variety of statistical computing programs, including SAS, SPSS and S-Plus.

Student Statistician: Statistics in the Community (STATCOM), 07/2003—06/2004.
Provide statistical consulting services to nonprofit organizations in local community.

Resident Physician: Department of Surgery, Tongji Hospital affiliated with Tongji Medical College of Huazhong University of Science and Technology, 09/1999—07/2000
Examine and diagnose patients for illness, injury or disease; Perform minor and major surgery; Supervise medical students in rotation.

PUBLICATIONS:

Journal Articles

1. Oppenheimer SR, Mi D, Caprioli RM. A Molecular Analysis of Tumor Margins by MALDI Mass Spectrometry in Renal Carcinoma. Molecular & Cellular Proteomics. 2007 Manuscript in progress.

2. Edgeworth ML; Mi D, Schwartz SA; Frappier SL, Thompson RC, Caprioli RM. Mass Spectrometry Proteomic Signature Predicts Response to Chemotherapy in Patients with Malignant Glioma. Neuro-Oncology. 2007 Manuscript in progress.

3. Tisdale JE, Kovacs R, Mi D, McCabe GP, Cariera BL, Sharma N, Rosman H. Accuracy of uncorrected versus corrected QT interval for prediction of torsade de pointes associated with intravenous haloperidol. Pharmacotherapy. 2007 Feb;27(2):175-82.

Poster Presentations

1. Seeley EH, Bauser JA, Mi D, Grania NDM, Johnson K, Pietenpol JA, Caprioli RM, MALDI-MS Profiling to Determine Prognostic Indicators of Chemotherapy Response. Proceedings of the 55th ASMS Conference on Mass Spectrometry, Indianapolis, Indiana 2007.

2. Herring KD, Ducret A, Mi D, Caprioli RM. Identifying Early Proteomic Markers of Kanamycin Induced Nephrotoxicity through Direct Tissue Profiling Using MALDI MS. Proceedings of the 54th ASMS Conference on Mass Spectrometry, Seattle, Washington 2006.

3. Oppenheimer SR; Mi D; Caprioli RM. Assessing Proteome Changes in Tumor Margins by Tissue Profiling Mass Spectrometry. Proceedings of the 54th ASMS Conference on Mass Spectrometry, Seattle, Washington 2006.

4. Mi D, Billheimer D, Norris JL, Schwartz SA, Mobley JA, Cornett DS, Caprioli RM. Whole Spectrum Analysis of Mass Spectrometry Data for Differential Expression Profiling. Proceedings of the 53rd ASMS Conference on Mass Spectrometry, San Antonio, Texas 2005.

CONTINUTING EDUCATION

1. An Introduction to Bayesian Approaches for Data Analysis, ENAR 2006, Tampa, Florida.
2. Using Random Forests for Scientific Discovery, ENAR 2005, Austin Texas.
3. Statistical Methods for Gel Electrophoresis Proteomics, ENAR 2005, Austin Texas.

4. Bayesian Approaches for Clinical Trial Design and Analysis, ENAR 2005, Austin Texas.

TEACHING EXPERIENCE:

1. GCRC Research Skills Workshops: How to understand and apply mixed-effect model. April 27, 2007.
2. Teaching Assistant: Department of Statistics, Purdue University, 08/2002—05/2004. Presented lectures to undergraduate students covering standard statistical methods, directed lab for statistical software (SAS and Excel), prepared exam and quiz materials, graded homework and quizzes.

VOLUNTEER

Heart Outreach Program, Vanderbilt University

MEMBERSHIP

American Statistical Association member