

CURRICULUM VITAE

STEPHEN P. BAKER

office Lakeside Building SB-728

(508) 856-2625 (775) 254-4885 fax

e-mail: stephen.baker@umassmed.edu

Academic Appointments

1983-Present, The University of Massachusetts Medical School:

- 2010-Present, Assistant Professor, Depts. of Quantitative Health Sciences and Cell Biology.
- 2004-Present, Instructor in Biostatistics, Department of Cell Biology
- 2007-Present, Instructor, Graduate School of Nursing,
- 1992-2007, Associate Faculty, Graduate School of Nursing,
- 1986-2004, Lecturer of Biomedical Sciences in Biostatistics, Graduate School of Biomedical Sciences .

Professional Positions

1983-Present, The University of Massachusetts Medical School:

- 1998-Present, Senior Biostatistician, Research Computing Services
- 1997-1998, Director of Research and Evaluation, Office of Clinical Affairs, Executive Office of Health and Human Services, Division of Medical Assistance and The University of Massachusetts Medical School Commonwealth Medicine Program.
- 1990-1991 Associate Director for Academic Computing Programs, Department of Academic Computing
- 1983-1997, Biostatistician, Department of Academic Computing.

1980-1983, The University of Massachusetts, Amherst:

- 1981-1983, Project Statistician, Mastitis Control Program, Lactation and Reproductive Physiology Laboratories, Dept. of Veterinary and Animal Science.
- 1980-1981, Research Assistant, Biopharmaceutical Research Unit, Department of Biostatistics and Epidemiology, School of Public Health

1973-1980 Astra Pharmaceutical Products, Inc., Framingham Massachusetts:

- 1976-1980, Clinical Research Monitor, Cardiovascular And Psychotropic Drug Development Programs, Medical Department
- 1973-1976, Clinical Data Analyst, Pulmonary, Pain Control And Cardiovascular Drug Development Programs, Medical Department

Education

Doctor of Philosophy ABD(All but Dissert completed); passed Oral & Biostatistics, Mathematical Statistics, Epidemiology written comps. Div. Public Health, Univ.of Mass., Amherst, MA.

Master of Science Public Health, 1983, Biostatistics, Epidemiology minor, School Public Health, University of Massachusetts, Amherst MA

Bachelor of Science, 1976, Psychology, Worcester State College, Worcester, Mass.

Teaching Activity

1986-present GSBS BBS702: Biostatistics for the Biomedical Sciences 3cr credits. This semester long course has been offered nearly every fall semester since 1986 and has been attended by students of GSBS, WPI, post-docs and faculty. The course has been updated periodically to address

analysis issues associated with changing technology in biomedical research as well as advances in statistical sciences.
Short courses have been taught by invitation in clinical departments.

Editorial Activities

Editorial Board Member *Chest**
Referee: *Archives of Internal Medicine*
Bioinformatics
Chest recognized as in top 5% of reviewers 2009,2010*
*Clinical Infectious Disease**
Molecular Imaging and Biology
The Journal of Clinical Care Medicine
*The Journal of Clinical Endocrinology and Metabolism**
The Journal of Intensive Care Medicine
The Journal of Neuroscience
The Journal of Physiology
* *SLA Top 100 impact Journals in Biology and Medicine*

Statistical Research

General and Generalized linear mixed models
Missing Data imputation
Multiple Comparisons Procedures
Problems in estimation in finite populations.
Methods for the analysis of microarray experiments

Extramural Funding

Co-investigator on numerous grants with zero salary as position is fully funded. Assisting other investigators in obtaining extramural funding and supporting them in their research is the primary role of a consulting statistician.

Professional Memberships

American Statistical Association
The Biometric Society (ENAR)
The International Biometric Society