



WSS NEWS

WASHINGTON
STATISTICAL
SOCIETY

March 2003

HERRIOT AWARD NOMINATIONS SOUGHT

Nominations are sought for the 2003 Roger Herriot Award for Innovation in Federal Statistics. After the sudden death in May 1994 of Roger Herriot, an Associate Commissioner for Statistical Standards and Methodology at the National Center for Education Statistics, the Washington Statistical Society, the Social Statistics and Government Statistics Sections of the American Statistical Association established an award in his memory to recognize individuals who develop unique approaches to the solution of statistical problems in Federal data collection programs.

The award is intended to reflect the special characteristics that marked Roger Herriot's career.

- * Dedication to the issues of measurement;
- * Improvements in the efficiency of data collection programs; and
- * Improvements and use of statistical data for policy analysis.

The award is not limited to senior members of an organization, nor is it to be considered as a culmination of a long period of service. Individuals at all levels (from entry to senior), Federal employees, private sector employees, and employees of the academic community, may be nominated on the basis of the significance of the specific contribution.

The recipient of the 2003 Roger Herriot Award will be chosen by a committee of representatives of the Social Statistics Section and Government Statistics Section of the American Statistical Association and a representative of the Washington Statistical Society. Roger Herriot was associated with and strongly supportive of these organizations during his career. The award consists of an honorarium of \$500.00 and a framed citation.

Joseph Waksberg (Westat), Monroe Sirken (National Center for Health Statistics), Constance Citro (National Academy of Sciences), Roderick Harrison (U.S. Census Bureau), Clyde Tucker (Bureau of Labor Statistics), Thomas Jabine (SSA, EIA, CNSTAT), Donald Dillman (Washington State University), Jeanne Griffith (OMB, NCES, NSF), and Daniel Weinberg (U. S. Census Bureau) are previous recipients of the Herriot Award.

A nomination form can be obtained by contacting Jerry Gates by phone: (703) 763-2515; fax (703) 457-2654; or email: gerald.w.gates@census.gov. All completed nomination forms should be either mailed to Jerry Gates, 8524 Wagon Wheel Road, Alexandria Virginia, 22309 or delivered to Jerry Gates at the U.S. Census Bureau, Room 2430, Building 3, Suitland Federal Center, Suitland, Maryland 20233. Completed nomination forms must be received by May 10, 2003.

WSS and Other Seminars (All events are open to any interested persons)		
March		
4	Tues.	Using Correlations Between Link Flows To Improve AADT/VMT Estimation: Simulation Results
12	Wed.	Practical Considerations in Selecting Statistical Disclosure Methodology for Tabular Data
13	Thur.	Unequal Treatment: Confronting Racial and Ethnic Disparities in Healthcare
19	Wed.	Improving the Quality of Surveys

Also available on the World Wide Web at the following URL: <http://www.science.gmu.edu/~wss>

Announcements

SIGSTAT Schedule: March 2003 to May 2003

March 12, 2003: R Graphics (<http://www.r-project.org>) (postponed until Fall 2003)

Brian Monsell will demonstrate how to generate graphs using the R statistical package (such as time series plots and Trellis graphs), and show off some of his favorite "stupid R tricks."

April 9, 2003: SAS 9.0 (<http://www.sas.com>)

Linda Atkinson will present a demo of the latest release of SAS.

May 14, 2003: SAS/IML Workshop 2.0 (<http://www.sas.com>)

SAS/IML Workshop is a graphical user interface and extension of SAS/IML software that enables you to explore data interactively using standard statistical graphics and tables. IML Workshop provides an integrated development environment for writing, debugging, and executing IML programs. IML Workshop also implements the IMLPlus programming language, which is an enhanced version of the IML programming language. IMLPlus provides new language features such as the ability to call SAS procedures and external C/Fortran/Java functions. IML Workshop requires a PC running the Microsoft Windows operating system.

SIGSTAT is the Special Interest Group in Statistics for the CPCUG, the Capital PC User Group, and WINFORMS, the Washington Institute for Operations Research Service and Management Science.

All meetings are in Room S3031, 1800 M St, NW from 12:30 to 1:30. Enter the South Tower & take the elevator to the 3rd floor to check in at the guard's desk.

First-time attendees should contact Charlie Hallahan, 202-694-5051, hallahan@ers.usda.gov, and leave their name. Directions to the building & many links of statistical interest can be found at the SIGSTAT website, <http://www.cpcug.org/user/sigstat/>.

WINFORMS SYMPOSIUM

WINFORMS (the Washington DC area chapter of INFORMS - Institute for Operations Research and the Management Sciences) will hold a symposium on the 22nd and 23rd of April at the American Association for the Advancement of

Science (AAAS) Building at 1200 New York Avenue NW, Washington, D.C. (near Metro Center). The theme for the symposium will be "Analysis in our Changing Times." Please mark your calendars. If you are interested in volunteering or presenting a paper, please e-mail winforms@mail.informs.org.

Notice about Seminars at the Bureau of Labor Statistics

A new list of attendees of WSS seminars at the Bureau of Labor Statistics begins April 1, 2003 (the previous list will be discarded). If you plan to attend a seminar at BLS, you will need to do one of the following at least by noon 1 day ahead: (1) e-mail name, affiliation, and name of seminar to wss_seminar@bls.gov (underscore after 'wss') or (2) call 202-691-7524 and leave a message with this information. Finally, bring a photo ID. NOTE: Once on the list, you need not contact BLS for subsequent seminars through June 27, 2003.

Note from the WSS NEWS Editor

Items for publication in the May 2003 WSS NEWS should be submitted no later than March 25, 2003. E-mail items to Michael Feil at michael.feil@usda.gov.

EMPLOYMENT

STATISTICIANS www.rti.org

The Statistics Research Division of RTI International seeks statisticians at the MS level with 3+ years experience to work on educational, health care, epidemiological, and probability-based surveys/studies in their Washington, DC office.

Candidates must have SAS programming, oral communication, writing, and analytic skills. Experience in contract research, SUDAAN programming, surveys, telephone or web surveys, or sampling experience is desirable.

RTI offers a comprehensive package including 4 weeks paid time off, 10 paid holidays, tuition reimbursement, medical/dental benefits, and a generous retirement plan.

EOE/AA/M/F/H/C

Program Abstract

Title: Using Correlations Between Link Flows To Improve AADT/VMT Estimation: Simulation Results

Presenter: Prof. Prem K. Goel, Department of Statistics, The Ohio State University.

Date/Time: Tuesday, March 4, 2003, 10:00 a.m. – 11:00 a.m.

Location: US Department of Transportation, Nassif Building, 400-7th St., SW, Room 3200, Washington DC (L'Enfant Plaza Metro Stop -- follow signs to the Department of Transportation exit at 7th and D Streets, SW). Please use Southwest entrance of the building (see Notice at the end of this announcement).

Abstract: Dr. Goel will present results of his investigation into Bayesian and non-Bayesian strategies to improve AADT estimation by exploiting the inherent underlying correlations between link flows. These correlations arise partially because inflows and outflows to a node are always constrained. In addition, when the network has a large number of O-D zones, and a relatively smaller number of links, the correlation between the link flows can be large. Traditional AADT estimation procedure ignores these correlations completely, and amounts to using an ordinary least square estimate, after adjusting the coverage counts by daily and monthly factors. Simulation results will be presented, pointing out some network scenarios, under which the traditional estimates can be improved upon.

Note: This seminar will be held in a wheelchair-accessible location. Attendees who require sign language interpretation, other auxiliary aids or alternate accessible formats should advise the program coordinator at least three business days prior to the date of the seminar.

Notice about BTS Seminars

All visitors to the Department of Transportation's Nassif Building, 400-7th St., SW, Washington, DC; (L'Enfant Plaza Metro Stop -- follow signs to the Department of Transportation exit at 7th and D Streets, SW) should enter at the Southwest entrance. Please bring a photo ID (federal employees must have federal ID). Procedures differ depending on the employer:

1. For federal employees: Please show your federal ID to the guard at the Southwest entrance, go through security, and then proceed to the seminar room (the first number indicates the floor that the conference room is located).
2. For non-federal identification: DOT security procedures require BTS to provide a list of attendees who are not federal employees prior to the seminar. Therefore, if you plan to attend the seminar and are not employed by the federal government, please provide your name, name of employer, and phone number to Promod Chandhok (promod.chandhok@bts.gov) by COB of Monday, March 3. On the day of the seminar, please report to the Southwest entrance of the Nassif Building at 9:45 a.m. so that you can be escorted to the seminar room.

NCI Statistical Colloquia

The National Cancer Institute's Division of Cancer Prevention sponsors a monthly Statistical Colloquia Series. This season's schedule should be of interest to many of you. Check the website below for updates including abstracts as they are posted. Address: Executive Plaza North; Conference Room G (usually); 6130 Executive Boulevard Rockville, Maryland. Bring photo ID, and check in with the guards at the entrance.

Date	Speaker	Topic
03/05/03	Robert Gentleman	Preprocessing and analysis of gene expression microarrays
04/02/03	Sue Marcus	Selection bias in the design of randomized clinical trials

For Additional Information: Office of Preventive Oncology 301-496-8640
 On the Web: DCP Stat Series: <http://www3.cancer.gov/prevention/pob/fellowship/colloquia.html>

**Bureau of Transportation Statistics' (BTS)
Confidentiality Seminar Series**

The next three seminars in BTS's seminar series on confidentiality are listed below. These seminars are open to all. Please direct questions to either Neil Russell (neil.russell@bts.gov) or Virginia de Wolf (virginia.dewolf@bts.gov).

March Seminar

Title: Practical Considerations in Selecting Statistical Disclosure Methodology for Tabular Data

Presenter: Rich Allen, Deputy Administrator for Programs and Products, National Agricultural Statistics Service, U.S. Department of Agriculture

Date/Time: Wednesday, March 12, 2003, 12:00 - 1 pm

Location: US Department of Transportation, Nassif Building, 400-7th St., SW, Room 6200 (See Notice at the end of this announcement.)

Abstract: Population and data user attributes which should be considered in determining the most proper statistical suppression techniques will be outlined. A general overview of methods used by the National Agricultural Statistics Service and the Agricultural Marketing Service to protect tabular data will be presented. Certain methods will be highlighted and explored in more detail.

April Seminar

Title: Overview of Statistical Disclosure Methodology for Microdata

Presenter: Laura Zayatz, Disclosure Limitation Research Group Leader, US Census Bureau

Date/Time: Tuesday, April 29, 2003, 1-2 pm

Location: US Department of Transportation, Nassif Building, 400-7th St., SW, Room 3328 (See Notice at the end of this announcement.)

Abstract: An overview of methods used to protect microdata will be presented. Certain methods will be highlighted and explored in more detail as they are applied to Census Bureau microdata.

May Seminar

Title: Statistical Disclosure at the National Center for Health Statistics (NCHS)

Presenter: Alvan Zarate, Confidentiality Officer, NCHS

Date/Time: Tuesday, May 20, 2003, 10-11 am

Location: US Department of Transportation, Nassif Building, 400-7th St., SW, Room 6200) (See Notice at the end of this announcement.)

Abstract: This seminar describes how statistical disclosure limitation methods are implemented at the National Center for Health Statistics. The roles that a Disclosure Review Board and a Confidentiality Officer play in a Federal statistical agency will be highlighted.

Notice about BTS Confidentiality Series Seminars

The Department of Transportation's Nassif Building, 400-7th St., SW, Washington, DC, is located at the L'Enfant Plaza Metro Stop (follow signs to the Department of Transportation exit at 7th and D Streets, SW). All visitors should enter at the Southwest entrance. Please bring a photo ID (federal employees must have federal ID). Procedures differ depending on the employer:

1. For federal employees: Please show your federal ID to the guard at the Southwest entrance, go through security, and then proceed to the seminar room (the first number indicates the floor that the conference room is located).
2. For non-federal identification: DOT security procedures require BTS to provide a list of attendees who are not federal employees prior to the seminar. Therefore, if you plan to attend the seminar and are not employed by the federal government, please provide your name, name of employer, and phone number to either Neil Russell (neil.russell@bts.gov) or Virginia de Wolf (virginia.dewolf@bts.gov) by COB of the week before the seminar, i.e.,
 - Wednesday March 5th for the March 12th seminar;
 - Tuesday April 22nd for the April 29th seminar; and
 - Tuesday, May 13rd for the May 20th seminar.

On the day of the seminar, please report to the Southwest entrance of the Nassif Building 15 minutes before the start of the seminar so that you can be escorted to the seminar room. That is, be in the SW entrance at 11:45 am for the March 12th seminar, 12:45 for the April 29th seminar, and 9:45 am for the May 20th seminar.

EMPLOYMENT

SENIOR COMPUTER SCIENTIST/STATISTICIAN RESEARCH POSITION

Applications and nominations are invited for one senior research position in computer science or statistics at the U.S. Census Bureau in the Washington, D.C. area. The senior position of Principal Researcher involves research, consulting, and directing the work of less experienced researchers. It requires a Ph.D. in computer science, statistics, or a closely related field and a substantial record of original research in information retrieval, data analysis, data mining, data visualization, and graphical display of data, including publications. The 2002 salary range is \$78,265-\$119,682 depending on qualifications and experience.

The selected individual will serve as Principal Researcher and Technical Leader of the Computing Research Group of the Statistical Research Division and oversee multiple related projects led by other researchers. The individual will have knowledge of statistics, possess outstanding competence, and demonstrate ability to initiate and perform research and development activities in the areas listed above. Products of this position are research efforts and applications affecting data products from all of the Census Bureau's censuses and sample surveys. The researcher also provides consultation, training, and documentation of methods and software developed and so must have good communication and personal skills.

For further information or to start the application process, please contact Rob Creecy, Statistical Research Division, Census Bureau, Washington, DC 20233-9100 or rob.creecy@census.gov, or call 301-457-4972. U.S. citizenship is required

WSS SHORT COURSE

WSS is offering a short course on how to do a survey. The date is April 23, 2003. Please see the enclosed flyer for additional information.

Program Abstract

Title: Unequal Treatment: Confronting Racial and Ethnic Disparities in Healthcare

Speakers: Brian Smedley and Adrienne Stith, Institute of Medicine, The National Academies

Chair: Shelly Ver Ploeg, Committee on National Statistics, The National Academies

Date/Time: Thursday, March 13, 2003 12:30 - 2:00 p.m.

Location: Bureau of Labor Statistics.** Conference Rooms 8. Video Conference to selected sites

Abstract: Racial and ethnic disparities in health care are real and unacceptable. They occur across a wide range of medical conditions and health care services, and exist independently of insurance status, income, and other access-related factors. At the level of health systems, minorities are likely to get poorer care because of several factors, including resource allocation policies that are less favorable to minorities, linguistic and cultural barriers, and the disproportionate representation of minorities in restrictive health plans. Minority patients, for a variety of historic and socioeconomic reasons, are more likely to refuse treatment, or fail to adhere to treatment due to misunderstanding or mistrust. These patient and system-level factors, however, don't fully explain the consistency of racial and ethnic gaps in treatment. Prejudice, bias, and stereotyping by providers, as well as clinical uncertainty, contribute to disparities in health care. This is a major conclusion of an expert panel of the Institute of Medicine, summarized in a report called Unequal Treatment: Confronting Racial and Ethnic Disparities in Healthcare. Brian Smedley and Adrienne Stith, program officers at the IOM, will discuss this and other conclusions of the report, along with the reports' recommendations for strategies to eliminate these disparities.

**To attend seminars at BLS, you need to email your name, affiliation, and seminar names to wss_seminar@bls.gov (Underline between "wss" and "seminar") by noon at least two days in advance or call 202-691-7524 and leave a message. Bring a photo id to the seminar. A new list began January 1, 2003. Once you are on the list you need not contact BLS for seminars through March 31, 2003. BLS is located at 2 Massachusetts Ave NE. Use Red Line to Union Station.

EMPLOYMENT

TIME SERIES RESEARCH POSITION

Applications and nominations are invited for one senior and one or more junior or intermediate research positions in time series analysis at the U.S. Census Bureau in the Washington D.C. area. The senior position of Principal Researcher is in the Statistical Research Division and involves research, consulting, and directing the work of less experienced researchers. It requires a Ph.D. in Statistics or a closely related field and a substantial record of original research in time series analysis including publications. The 2002 salary range is \$78,265-\$119,682 depending on qualifications and experience. The other positions require at least a Master's degree in Statistics or a closely related field, course work in time series analysis, significant statistical computing experience, and ability to conduct research. The 2002 salary range is \$46,469-\$73,269 depending on qualifications and experience.

The Census Bureau's methods and software for time series modeling and seasonal adjustment are used world-wide in government, industry, and academia. The available positions are on the staffs responsible for the further development, testing, training, and support of such methods and software for the Census Bureau's many economic surveys. Research topics of current interest include state space modeling with sampling error components; non-Gaussian modeling for signal extraction; statistical graphics and other diagnostics for seasonal adjustment; automatic selection methods for ARIMA models, regressors and outlier treatments; and issues involved with the seasonal adjustment of short time series. The researchers also provide consultation, training, and documentation of methods and software developed and so must have good communication and personal skills.

For further information or to start the application process, please contact David F. Findley, Census Bureau, Washington, DC 20233-9100 or david.f.findley@census.gov, or call 301-457-4983. U.S. citizenship is required.

Program Abstract

- Title:** Improving the Quality of Surveys
- Speaker:** David Marker, Westat
- Discussant:** Steven B. Cohen, Agency for Healthcare Research and Quality
- Chair:** Amrut Champaneri, Bureau of Transportation Statistics
- Date/Time:** Wednesday, March 19, 2003, 12:30 - 2:00 p.m.
- Location:** Bureau of Labor Statistics, Postal Square Building (PSB), Conference Center, Conference Room 1, 2 Massachusetts Ave., N.W., Washington, D.C. Please use the First Street entrance to the PSB. To gain entrance to BLS, please see Notice at the end of this announcement.
- Sponsor:** WSS Quality Assurance and Physical Sciences Section
- Abstract:** There have been a number of conferences in the last few years focusing on improving the quality of surveys (Stockholm and Ottawa in 2001, Copenhagen in 2002). There are a great many ways to improve the quality of surveys, too many to be covered in one presentation. This keynote presentation from the International Conference on Improving Surveys will focus its discussion on three general topics: response rates, technological changes, and continuous improvement, particularly through communications. Improving response rates has been the topic of numerous papers and conferences. Surveys are being dramatically altered by changes in technology. We discuss three types of technological change, the Internet, mobile telephones, and handheld computers. Communication has not commonly been discussed, but is fundamental to successfully improving surveys.

EMPLOYMENT

USABILITY RESEARCH POSITION

Applications and nominations are invited for one senior or intermediate research position in usability at the U.S. Census Bureau in the Washington D.C. area. The senior position of Principal Researcher involves research, consulting, and directing the work of less experienced researchers. It requires a Ph.D. in Psychology or a closely related field and a substantial record of original research in human-computer interaction including publications. The 2002 salary range is \$78,265-\$119,682 depending on qualifications and experience. An intermediate level position would require a Ph.D. in Psychology or a closely related field and significant consulting and research in the behavioral sciences. The 2002 salary range is \$55,694-\$86,095 depending on qualifications and experience.

The Census Bureau's Usability Laboratory maintains an active program of human-computer interaction research and service for Census Bureau applications. The Usability Laboratory sponsors and conducts research to discover good design principles and evaluation methods for human-computer interactions. We put the principles and methods into practice by constructing and evaluating user interfaces that maximize human capabilities and satisfaction. Recent service projects have focused on the design and evaluation of user interfaces to electronic questionnaires, knowledge databases, and data dissemination web sites at the Census Bureau. We assist projects in implementing the user-centered design process, including user profiling, task analysis, setting usability goals, creating design guidelines, quick testing of early prototypes, expert or heuristic reviews, usability testing, and post-release performance monitoring. Recent R&D efforts have addressed remote usability testing, guidelines and style guides, eye tracking, map-based interfaces to statistical data, navigating electronic questionnaires, error messages for electronic questionnaires, and response rates to surveys with web questionnaire options. The researcher must have good communication and personal skills.

For further information or to start the application process, please contact Kent Marquis, Human Factors and Usability Research Group, Statistical Research Division, Census Bureau, Washington, DC 20233-9100 or kent.hammond.marquis@census.gov, or call 301-457-4719. U.S. citizenship is required.

The Census Bureau is an Equal Opportunity Employer.

Announcement

**International Chinese Statistical Association (ICSA)
ICSA 2003 APPLIED STATISTICS SYMPOSIUM
JUNE 22-24, 2003 San Diego, California
<http://www.icsa.org>**

Please see website for more information on the symposium

Theme: Statistics in Bio-tech Research and Computing Intensive Methodologies

DATE: June 22 to 24, 2003. Short courses on Sunday, June 22, and technical sessions on Monday, June 23 and Tuesday, June 24. LOCATION: University of San Diego. For local attractions, please visit the hotel website <http://www.sandiego.org/whattodo.asp> CALL FOR PAPERS: The program committee invites you to submit statistical papers to be considered for presentation at the symposium. Abstracts are due March 31, 2003. Please submit abstracts to: Professor Gang Li, University of California at Los Angeles, email address: gangli@sunlab.ph.ucla.edu. The abstract should include the name, affiliation, mailing address, telephone number, fax number, and e-mail address of the author, and should not exceed 200 words. A template for the abstract can be downloaded from the ICSA website at <http://www.icsa.org> ICSA STUDENT AWARDS AND TRAVEL FELLOWSHIPS: The deadline is February 28, 2003 (see a separate page in this issue for detailed information). For further questions, please contact Professor Kung Jong Lui, San Diego State University, kjl@rohan.sdsu.edu

PRELIMINARY PROGRAM ICSA 2003 APPLIED STATISTICS SYMPOSIUM

Keynote Speakers (June 23-24, 2003): Bradley Efron, Professor of Statistics and Biostatistics, Stanford University, President-Elect, ASA. <http://www-stat.stanford.edu/people/faculty/efron.html> AND George Tiao, W. Allen Wallis Professor of Econometrics and Statistics, University of Chicago, <http://gsb.uchicago.edu/fac/george.tiao>

Plenary Sessions (June 23-24, 2003): Recent developments in nonparametric inferences with applications to biomedical studies and financial modeling, by Janqing Fan, Current Statistical Issues in Clinical Trials for Drug Development, by Tze Leung Lai, AND Banquet Speaker: Arlene S. Ash, Boston University.

EMPLOYMENT: Manager, Market Analytics

We have an immediate opening for an experienced survey research professional to oversee our fast-paced production process, develop new information products and build lasting client relationships. You will interact with clients, determine appropriate methodology, implement qualitative and quantitative studies, and manage a team of exceptionally talented analysts. Although this is a management level position, it will require your "hands-on" involvement in formulating questionnaires, analyzing data, writing reports and preparing client presentations. Our ideal candidate must be well versed in a variety of quantitative techniques and methodologies, including conjoint analysis, discrete choice, multivariate, regression, ROI, perceptual mapping, forecasting, modeling, etc. To qualify, you will have a minimum of five years experience in a market research environment (preferably on supplier side or in the life sciences industry), expertise in the use of SPSS, obsessive attention to detail, and exceptional team building, writing and presentation skills. BioInformatics LLC (www.gene2drug.com) provides market research services to the \$500+ billion global life science market. Our pioneering research methods provide market insights from gene to drug at Internet-speed to life science, medical device and pharmaceutical clients around the world. We were among the first market research firms to leverage the power of the Web and now maintain the world's largest panel of scientific customers-The Science Advisory Board, a group of more than 14,000 life science and medical professionals that participate in our online surveys and focus groups. We offer a convenient, Metro-accessible location just outside Washington, DC in the heart of Arlington, VA. We offer a competitive salary commensurate with experience, excellent benefits, and an exciting work environment. Please be sure to include a cover letter and salary expectations with your resume. Preference will be given to those candidates who are available immediately and you must already be eligible to work in the US. Visit www.gene2drug.com

BioInformatics LLC
2111 Wilson Boulevard
Suite 1200
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703.522.3685 fax

Employment

As a service to local statisticians, *WSS News* provides notification of employment opportunities and description of those seeking employment here in the Washington, DC, area. Readers are encouraged to take advantage of this feature of the newsletter. The deadline for inserting notices is five (5) weeks before the publication date. Those interested should email or call Anne Peterson, at apeterson.ipr@verizon.net or (703) 979-1191.

*** Bayesian Statistician ***

Center for Devices and Radiological Health, Food and Drug Administration, Department of Health and Human Services

The Division of Biostatistics at the Center for Devices and Radiological Health (CDRH), FDA, invites applications from Bayesian Statisticians with strong background in theory and applications, to join us in pioneering the use of Bayesian design and analysis in clinical trials to evaluate the safety and effectiveness of medical devices, ranging from LASIK and artificial hearts to genetic test kits and robotic surgery. Statisticians in the Division review proposed protocols for medical device clinical studies and evaluate completed studies for device safety and effectiveness to allow devices to be marketed. We also conduct original statistical research and collaborate in the design, analysis and interpretation of laboratory and epidemiologic studies. In addition we interact with national, international, public, and private organizations on statistical issues and develop guidance for the medical device industry and clinical investigators.

About five years ago, the Division launched the Bayesian initiative at CDRH. Since then, the Bayesian approach has been used in numerous designs and analyses of medical device clinical trials. In addition, guidance has been provided to medical device companies in using the Bayesian approach in a regulatory environment.

The Division of Biostatistics is currently looking for candidates to join the group. In addition to knowledge of Bayesian inference and data analysis, the candidates must have an interest in clinical trials, and excellent ability to communicate, both orally and in writing.

Salary is competitive and includes an excellent benefits package. U.S. citizenship or permanent residency is required. The FDA is an Equal Opportunity Employer.

Candidates should send (or e-mail) a CV to:

Greg Campbell, Ph.D.
Division of Biostatistics

1350 Piccard Drive, HFZ 542
Rockville, MD, 20850
gxc@cdrh.fda.gov

*** Mathematical Statistician ***

Center for Devices and Radiological Health, Food and Drug Administration, Department of Health and Human Services

The Division of Biostatistics at the Center for Devices and Radiological Health (CDRH), FDA, invites applications from Statisticians with strong background in theory and applications, to join us in applying statistical design and analysis in clinical trials to emerging technology, to evaluate the safety and effectiveness of medical devices, ranging from LASIK and artificial hearts to genetic test kits and robotic surgery. We review a wide range of devices requiring strength in different statistical areas, and candidates will easily find areas that are related to their expertise.

Statisticians in the Division review proposed protocols for medical device clinical studies and evaluate completed studies for device safety and effectiveness to allow devices to be marketed. We also conduct original statistical research and collaborate in the design, analysis and interpretation of laboratory and epidemiologic studies. In addition, we interact with national, international, public, and private organizations on statistical issues and develop guidance for the medical device industry and clinical investigators.

The Division of Biostatistics is currently looking for candidates to join the group. In addition to a background in statistics and data analysis, the candidates must have an interest in clinical trials and excellent communication skills, both oral and written. We work in interdisciplinary groups, and the ability to communicate statistical issues to non-statisticians is essential.

Salary is competitive and includes an excellent benefits package. U.S. citizenship or permanent residency is required. The FDA is an Equal Opportunity Employer.

Candidates should send (or e-mail) a CV to:

Greg Campbell, Ph.D.
Division of Biostatistics
1350 Piccard Drive, HFZ -542
Rockville, MD, 20850
gxc@cdrh.fda.gov



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Statistical
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