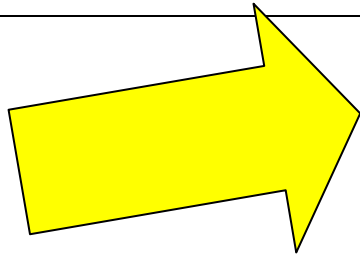


# ASAP Newsletter

The Philadelphia Chapter of the  
American Statistical Association



September, 2004



<http://www.amstatphilly.org/>

Check it out!

## PRESIDENT'S CORNER

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**Welcome to ASAP!** Did you know that our Philadelphia Chapter is one of 17 in District 3 of the ASA, spanning New York, Ohio, Pennsylvania and Ontario? Did you know that our ASAP chapter has over 300 registered members, representing statistical areas of academic, business and government expertise? Did you know that our local chapter organizes and sponsors local and out-of-town speakers, short courses and social activities? If you did, thank-you for your ongoing involvement and support of our chapter! If not, we hope that you will be able to join us at one of our sessions this year to get to know your chapter and fellow local statisticians!

Please note and welcome the newly elected/appointed ASAP **Executive Committee** representatives: Diane M. Miller, President (elected); Lisa Lynn Hickey, Vice President (elected); Paul J. Lupinacci, Treasurer (elected); Robert C. Gagnon, Secretary (elected); Devan V. Mehrotra, Chapter Representative (appointed); Deborah L. Panebianco, Webmaster (appointed); and Paul Mange Johansen, Newsletter Editor (appointed). Many thanks to Michael Mack (Wyeth), our outgoing Treasurer. Michael served in this position for three years and we thank him for his dedicated service to our chapter.

Our **fall meeting on October 6** (see pages 2–4 for details) will feature three presentations you will not want to miss! The keynote speaker, **Dr. Fritz Scheuren**, President-Elect of the American Statistical Association, will talk about “Finite Population Sampling in a Data Rich World.” Additionally, Dr. Scheuren will discuss general issues relating to the ASA. **Dr. Devan Mehrotra** (Merck) will present “HIV Vaccine: Establishing Proof-of-Concept”. **Matthew Hutcheson**, founder of Tegra Analytics, will speak about the business aspects of a statistical consulting business. In addition to the speaker presentations we will have plenty of time for networking. I hope you will join us for this stimulating fall meeting! Your participation is vital to the continued success of our chapter. Please RSVP by Friday, October 1 if you plan to attend our fall meeting (see registration instructions on page 2).

We are always eager to hear from our chapter members. If you have recommendations of speakers for future meetings, suggestions of topics for short courses, or ideas for other chapter activities, please feel free to contact any chapter officer (see contact information on page 14). If you are not a member of our local ASAP chapter, please consider joining us! We will have registration information and materials available at the fall meeting. Hope to see you there!

~ Diane Miller

## CALENDAR OF EVENTS

Friday, October 1	Registration deadline for ASAP Fall Meeting
Friday, October 1	Registration deadline for "Hierarchical Modeling"
<b>Wednesday, October 6</b>	<b>ASAP Fall Meeting, Ft. Washington Holiday Inn</b>
Friday, October 15	Registration deadline for "Regression Modeling"
Wednesday, October 20	Registration deadline for Merck-Temple Conference
Thursday-Friday, October 21-22	"Hierarchical Modeling and Analysis for Spatial Data"
Friday, October 22	12 <sup>th</sup> Merck-Temple Conference
Friday, November 5	"Introduction to Regression Modeling of Time to Event Data"
Monday-Friday, December 6-10	60 <sup>th</sup> Deming Conference on Applied Statistics

### ASAP FALL MEETING (RSVP by Friday, October 1)

<b>DATE:</b> Wednesday, October 6, 2004, 11:30am-4:00pm	
<b>LOCATION:</b> Holiday Inn, 432 Pennsylvania Ave, Fort Washington, PA (1-800-339-0209)	
<b>LUNCH DETAILS:</b> Buffet: tossed garden salad with dressings; Caesar salad; antipasto salad; tomato, basil, mozzarella salad; chicken parmigiano; stuffed shells; red potatoes; hot green bean salad; foccacia bread w/olive oil; sliced italian bread; coffee, tea, decaf, iced tea	<b>TIME</b>
	<b>PROGRAM</b>
	11:30-noon
	noon-1:00
	1:00-1:05
	1:05 - 1:50
	1:50 - 2:20
2:20 - 2:50	
2:50 - 4:00	
<b>PROGRAM</b>	
Meeting check-in and payment	
Networking Lunch	
<b>Introduction</b> – Lisa Hickey (Vice President, ASAP)	
<b>HIV Vaccine: Establishing Proof of Concept</b> – Devan Mehrotra (Merck)	
<b>Statistical Consulting and Company Ownership --</b> Matthew Hutcheson (Tegra Analytics)	
Networking Break – assorted cookies and drinks	
<b>Finite Population Sampling in a Data Rich World</b> – Fritz Scheuren (ASA President-Elect)	
<b>Cost:</b> \$30 including lunch; \$15 without lunch and for full-time students.	

**Directions:** From the PA Turnpike, take Exit 339 – Fort Washington. After the tollbooth, follow the left-hand lane under the overpass. (DO NOT TAKE THE ROUTE 309 RAMP.) The hotel is 1/8 mile on the left. From Route 309, take the Fort Washington exit. (DO NOT TAKE THE EXIT FOR THE PA TURNPIKE.) Exiting will put you onto Pennsylvania Avenue. Stay in the left-hand lane. The hotel is 1/8 mile on the left.

**Registration:** Please register by **Friday, October 1** to ASAP Treasurer Paul Lupinacci at [paul.lupinacci@villanova.edu](mailto:paul.lupinacci@villanova.edu), specifying if you are a student, if you will be eating lunch, if you are a an ASA and/or and ASAP member, and your company/institution. PLEASE REGISTER IN ADVANCE so that we have an accurate count for both lunch and number of seats. Pay by cash or check at the meeting. You may also register by mail: send information to Paul Lupinacci / Department of Mathematical Statistics / Villanova University / 800 Lancaster Avenue / Villanova, PA 19085 / (610) 519-743.

*Abstract: “ HIV Vaccine: Establishing Proof of Concept”*

Several researchers worldwide are developing HIV vaccines designed to elicit cell-mediated immune (CMI) responses (as opposed to neutralizing antibody responses). Although such vaccines may not prevent HIV infection, they may lead to attenuation of disease with significant clinical benefit by preventing or delaying the progression to AIDS among infected subjects. HIV RNA (viral load) set-points have been shown to correlate with disease progression and should provide a measure of vaccine effect among those who become infected despite vaccination. Prior to embarking on a large-scale efficacy trial of a candidate vaccine, it would be prudent to conduct a smaller screening trial to generate supportive data for the CMI concept. The primary objective of such a proof-of-concept (POC) trial would be to demonstrate that the vaccine has a positive impact on either the infection rate and/or the viral load endpoint, relative to placebo. In this talk, we will develop and compare several statistical methods for establishing POC for a CMI-based HIV vaccine. A novel interim analysis strategy will also be discussed. This is joint work with Dr. Xiaoming Li at Merck.

*Biosketch*

**Dr. Devan V. Mehrotra** has worked as a biostatistician in the pharmaceutical industry for over 13 years, and is currently Director, Clinical Biostatistics at Merck Research Laboratories in Blue Bell. He has published papers on a variety of statistical topics, and is a four-time winner of the best contributed biopharmaceutical paper award at the annual Joint Statistical Meetings. He holds adjunct faculty appointments at the University of Pennsylvania and Villanova University, and is an Associate Editor for the *Journal of Biopharmaceutical Statistics* and the *Biometrical Journal*. His other professional activities have included serving as President and Vice President of ASAP, serving on the steering committee of the annual FDA/Industry Statistics Workshop, and serving as a consultant to the Center for Scientific Review at the National Institutes of Health.

*Abstract: “ Statistical Consulting and Company Ownership”*

We will examine two aspects of statistical consulting: ownership and experiences. Ownership of a statistics firm is not all statistics. We will discuss the risk and reward of starting a company and examine the issues of integrity and personal/business relationships.

Although statistical applications in the healthcare industry often focus on clinical trials, we will discuss experiences in creating methodologies used to identify loyal prescribing physicians, to identify physicians that require sales or marketing intervention, to identify data processing errors and to forecast incentive compensation scenarios.

### *Biosketch*

**Matthew C. Hutcheson** co-founded Tegra Analytics in 2002 to provide statistical consulting services to the healthcare industry. Prior to Tegra, Mr. Hutcheson served as the Vice President of Development for ProMetrics Consulting, Inc and served as an outcomes research associate for Health Outcomes Technologies.

Mr. Hutcheson's analytical expertise includes building statistical models in the areas of compensation design, forecasting, targeting, segmentation, sales force alignment, performance measurement and patient outcomes. Domain expertise includes HIV/AIDS, anemia, head & neck cancer, ovarian cancer, cystic fibrosis, pneumonia, coronary heart disease and Parkinson's.

Mr. Hutcheson is a graduate of Cornell University, where he received both his Masters of Science in Statistics in 1995 and a Bachelors of Science with Honors in 1992. Mr. Hutcheson also plays too much softball.

#### *Abstract: "Finite Population Sampling in a Data Rich World"*

Fully computerized sampling frames have long been common in large government agencies and in most large corporations. Even so, standard sampling textbook tools typically used in such settings were invented, in most cases, 50 years ago or more – in a then data-poor world. While the sampling methods developed in a data-poor world still work in a data-rich one, better tools exist when the statistician has a frame with strongly predictive covariates and access to fast, very cheap computing. This talk will explore some of these new tools, specifically:

- (1) New graphical and other diagnostics, so common as tools in mainline statistics, are described which look at the properties of alternative sample design (and estimation) approaches.
- (2) New balanced sample selection methods are also introduced that build on the extensive recent existing literature. We discuss one of these, quantile balanced sampling, at some length since it is still relatively new, quite promising and may be unfamiliar.
- (3) There is also a discussion of the retooling of "older" sampling techniques – such as stratification, the simulation of alternative designs, double sampling and replication.

There remain many loose ends. We found, unexpectedly, that there was a need to create some new asymptotic theory. For example, the variance of the variance for some of the sampling distributions generated with our new techniques was better than under normality. This result is not fully developed and needs to be put on a firmer footing. Our heuristic approach to variance estimation, while workable, requires more solid grounding too. And to make our new techniques generally useful, still faster algorithms are needed and, if there is time, these too will be discussed.

### *Biosketch*

**Dr. Fritz Scheuren**, President Elect of the American Statistical Association is currently Vice President for statistics at NORC, a survey research arm of the University of Chicago. Fritz works in sampling and estimation settings that involve the use of large organizational files, with all their attendant messiness and enormous opportunity He also teaches survey sampling part-time at the George Washington University.

## 12th MERCK-TEMPLE CONFERENCE

Friday, October 22 at the Plymouth Meeting DoubleTree Hotel

Merck & Company, Inc. and Temple University are pleased to announce the program for the 12<sup>th</sup> Merck-Temple Conference, hosted during the joint 2004 ASA/SPAIG Award year. The Conference will consist of a morning and an afternoon component, with the morning module consisting of four 40 minute talks and the afternoon module titled "Statistics in the 21th Century." The morning speakers will be **Donald Berry** (M.D. Anderson Cancer Center), **Robert C. Elston** (Case Western Reserve University), **Warren J. Ewens** (University of Pennsylvania), and **David Harrington** (Harvard University). The afternoon session will start with a 30 minute overview talk by **C. Frank Shen** (Bristol-Myers Squibb). That talk will be followed by 10 minute summary talks by **Lawrence Gould** (Merck, Bayesian), **Daniel Holder** (Merck, Genetics), **Alan Izenman** (Temple, Data Mining), and **Devan Mehrotra** (Merck, Vaccines). Discussion will start with several discussants, followed by general discussion. The cost is \$80 (\$60 for Wyeth and Bristol-Myers Squibb employees, \$40 for Merck employees, and \$25 for full-time graduate students). For more information, including registration information and directions, see <http://www.sbm.temple.edu/~biostat/>.

## ASA LearnSTAT SHORT COURSES

The ASA is offering these two LearnSTAT short courses this Fall in the Washington, D.C. area:

October 21-22: **Hierarchical Modeling and Analysis for Spatial Data** with **Dr. Brad Carlin** at the GMU Professional Center, Arlington, VA, <http://www.amstat.org/education/learnstat/hmsd.cfm>

November 5: **Introduction to Regression Modeling of Time to Event Data** with **Dr. David Hosmer** at the GMU Professional Center, Arlington, VA, <http://www.amstat.org/education/learnstat/irmted.cfm>

## 60TH ANNUAL DEMING CONFERENCE ON APPLIED STATISTICS

Monday-Friday, December 6-10, 2004

Atlantic City, NJ

The main conference is held Monday-Wednesday followed by two parallel two-day short courses. Separate registration is required for the tutorials and the short courses. The conference consists of twelve 3-hour tutorials, 4 each day. Six of the tutorials are on clinical trials (including a panel discussion on the new E14 Guidance on QT-Interval Prolongation) with two FDA presenters. Authors of recently published texts present half of the tutorials, and make their texts available at an appreciable discount. Attendees are provided with bound proceedings. Both tutorials are applied. This year's tutorials are "**Multiple Comparisons for Making Clinical and Genomic Decisions**" with Professor Jason C. H. Hsu (Ohio State University) and "**Applied Longitudinal Data Analysis: Modeling Change and Event Occurrence**" with Professors Judith D. Singer and John B. Willett (Harvard University). Walter Young has chaired the conference for 35 years. The Tropicana is the largest hotel in the state of New Jersey. The conference daily rate is \$75 with free access to their health club. Atlantic City has many shows with major headliners in December. For additional details and registration information, please see [www.demingconference.com](http://www.demingconference.com).

## ASA BIOPHARMACEUTICAL SECTION STUDENT PAPER AWARDS

Five student winners were presented the 2004 Best Student Paper Award at the annual Biopharmaceutical Section Business meeting in Toronto during the JSM. Winners received framed certificates and cash awards. The five winners this year were:

- 1) “*A Novel Approach of Estimation for Additive Rate Regression Models with Parametric Underlying Failure Time Distributions*,” **M. Brent McHenry**, Department of Biostatistics, Graduate School of Public Health, University of Pittsburgh
- 2) “*Bayesian Determination of Threshold for Identifying Differentially Expressed Genes in Microarray Experiments*,” **Jie Chen**, Temple University
- 3) “*MS-based statistical analysis for proteomic marker discovery*,” **Xuena Wang**, Stony Brook University
- 4) “*Empirical Bayes Analysis of Variance Component Models for Microarray Data*,” **Sheng Feng**, Department of Statistics, North Carolina State University
- 5) “*CATS: Clustering After Transformation and Smoothing*,” **Nicoleta Serban**, Statistics Department, Carnegie Mellon University

This year’s selection committee consisted of: Aparna Raychaudhuri (Chair, Centocor); Amit Bhattacharyya (GSK); Jennifer Gauvin (GSK); Margaret Minkwitz (AstraZeneca); Douglas Zhang (Merck); Christie Clark (ICON Clinical Research); and Lilianne Kim (Centocor). Thanks to the committee members for volunteering their time, and congratulations to the award winners!



## PASTA: PHILADELPHIA AREA STATISTICS TEACHERS ASSOCIATION

Please contact Ruth Carver ([rcarver@germantownacademy.org](mailto:rcarver@germantownacademy.org)), Sue Peters ([peterss@aol.com](mailto:peterss@aol.com)),  
or Janice Ricks ([ricksj2@yahoo.com](mailto:ricksj2@yahoo.com)) for a meeting schedule and questions.

### OLYMPIC STATISTICS

The athletes weren't the only competitors at this year's 28<sup>th</sup> Olympiad in Athens. A number of individuals and organizations put their chips down -- and reputations on the line -- by predicting how many medals each country would win. Whose predictions won the gold and what surprises did we see?

Sports Illustrated (**SI**) predicted the outcomes of each event, and then tallied up the results by country. PriceWaterhouseCoopers (**PWC**) used a model based on 5 factors (*none* having to do with individual athletic abilities!): population; average income levels (gross domestic product per capita); whether the country was previously part of the Soviet bloc; whether the country was the host nation; and medal shares in previous Olympics. Andrew Bernard (Dartmouth) and Meghan Busse (Berkeley) (**B&B**) used a similar model based on only 4 of these 5 factors, leaving out whether the country was previously part of the Soviet bloc.

Given the number of countries participating, this is obviously a tough task. Overall, none of the models did a very good job. However, the approach used by Sports Illustrated seemed to fare better than the approach used by the other two groups: it was able to predict 55% of the medals to within one, over four times the percentage of the other two models. If we restrict the comparison to only countries shared by all three models, the SI model was twice as accurate as the others.

Model	<i>All Countries Predicted</i>				<i>Countries Predicted in Common</i>			
	N	Accuracy within 1 medal	X <sup>2</sup>	p	N	Accuracy within 1 medal	X <sup>2</sup>	P
SI	75	41 / 75 = <b>55%</b>	75.6	0.57	28	7 / 28 = <b>25%</b>	40.0	0.95
PWC	30	4 / 30 = <b>13%</b>	90.6	1.00	28	4 / 28 = <b>14%</b>	81.5	1.00
B&B	34	4 / 34 = <b>12%</b>	49.4	0.97	28	3 / 28 = <b>11%</b>	41.0	0.96

Two countries stood out in all models: **Japan** far exceeded the predictions of all 3 models, receiving a total of 37 medals (SI predicted 24, PWC predicted 20, and B&B predicted 19). On the other hand, **Greece** wasn't able to cash in on its home-field advantage, receiving only 16 medals (SI predicted 16, PWC predicted 29, and B&B predicted 27). For a complete list of predictions and results by country, please email Newsletter Editor Paul Mange Johansen (contact information on page 14).

### EMPLOYMENT

The Philadelphia Chapter of the ASA has over 300 members in a variety of specialties covering academics, industry, and government. We can include your employment advertisement(s) (*maximum 100 words*) in our newsletters for the nominal fee of \$25 per ad. We issue newsletters in September, February, and May. You are encouraged to include the title and a brief description of the position, your contact information, and a link to a web site with additional information. Please send a check -- payable to "ASAP" -- to our Treasurer, and email your text to the Newsletter Editor (see page 14).

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For any of the following 4 employment opportunities, please contact **Torey Vizzo** / Managing Director, Biostatistics / The Cambridge Group Ltd / (800) 525-3396 ext. 248 / [biostat@cambridgegroup.com](mailto:biostat@cambridgegroup.com) / <http://www.cambridgegroup.com/pharmaceuticals/>

**Various Positions**

We represent many of the top pharmaceutical and related firms that are engaged in unprecedented levels of research and development. Currently, numerous career opportunities exist nationwide for statistical professionals to make strong contributions to these efforts. Openings range from Biostatistician to Senior Director. Therapeutic areas include cardiovascular, CNS, oncology, anti-infectives, respiratory, among others. Provide statistical support for the drug development process. Perform statistical analysis, review protocols, write statistical reports, interact with the FDA and consult with medical personnel. A MS in statistics/biostatistics with 1+ year or a PhD required.

**Various Positions**

We have multiple positions available from Manager up to Senior Director in the following areas: pharmacogenomics, pharmacology, non-clinical/pre-clinical, outcomes research, data mining, manufacturing, oncology (clinical) and CNS (clinical). These opportunities are located nationwide. An MS with 6 years or a PhD with 4 years of related experience required.

**Manager/Associate Director, Biostatistics**

The Manager/Associate Director will apply pharmacokinetic/pharmacodynamic modeling, population pharmacokinetic modeling, physiological modeling, clinical trial simulation and related techniques in support of early clinical development and full clinical development. Provide support with regard to the elaboration and implementation of the PK/PD concept, strategic decision making based on modeling and computational input, and preparation of NDA integrated summaries of clinical pharmacology, effectiveness, and safety. *Requirements:* Experience in modeling and simulation techniques and their application in clinical drug development. Knowledge of inferential and exploratory statistical analysis and health authority guidelines. An MS with 9+ or a PhD with 5+ years of experience. Positions available in MI, CT, NJ.

**Senior Director, Biostatistics**

Maximize the value of statistics in a global manner to the company's projects through strategic application of high-quality statistical approaches from discovery, clinical development, and regulatory interactions to product defense and lifecycle support. Provide scientific leadership for biostatistical advice, policies, and appropriate oversight for projects. Participate in key decisions on projects, key regulatory/product defense strategies, and scientific/commercialization support to provide high-quality statistical guidance. Provide a strong worldwide presence in regulatory and professional circles to influence content of regulatory guidelines. *Requirements:* expertise in high dimensional data analysis, quantitative epidemiology or image analysis. A PhD with 10+ years of relevant experience.

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For the following Biostatistician opportunity, please contact **Corey Ackerman, Esq.** / Cornerstone Search Group, LLC / Parsippany, NJ / 973-656-0220 / [cackerman@cornerstonesg.com](mailto:cackerman@cornerstonesg.com) / [www.cornerstonesg.com](http://www.cornerstonesg.com).

**Clinical Senior / Staff Biostatistician**

Work on Phase I - III studies for a high-profile biopharma that is focused on multiple therapeutic areas (primarily Oncology) and is located near Easton, PA in Western NJ. You will write the statistical methodology sections of protocols, develop SAPs, collaborate with the rest of the study team, and work on regulatory submissions. *Requirements:* A Ph.D. in Statistics is required along with 2+ years of related experience and strong communication skills as you'll be dealing with the FDA. *Compensation:* Base salary will range from 75k to 95k plus cash bonus, stock options, and a rich ESOP plan.

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**Bioinsource Inc., looking for Statisticians, Clinical SAS Programmers and Clinical Data Professionals,** for Contract and Permanent opportunities on the East and West Coast.

The ideal candidate has the following qualifications:

- ❖ M.S. or Ph.D. in Statistics or Applied Statistics is highly preferred
- ❖ 2-5 years Statistical programming experience within a clinical trials environment
- ❖ Must be proficient with SAS programming in Base, Macro, Stat, and Graph
- ❖ Must be experienced in various computer systems (UNIX), and PC-based computer networks
- ❖ Must be able to understand the study Protocol, Statistical Analysis Plan and related documents
- ❖ Familiarity with medical/clinical terminology
- ❖ Ability to take direction from Project Statistician
- ❖ Excellent communication skills
- ❖ Attention to detail and high standards for producing quality output

If you are interested, please forward your resume to Todd ([todd@bioinsource.com](mailto:todd@bioinsource.com)) or Paola ([paola@bioinsource.com](mailto:paola@bioinsource.com)) at Bioinsource-SF / Phone: 415-947-0848 / Fax: 415-947-0866 [www.bioinsource.com](http://www.bioinsource.com)

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For the following position, please contact **Kristen Cipriano** / Senior Consultant, Biometrics / RPS, Inc. / 866-777-1151 x361 / [Kcipriano@RPSWeb.com](mailto:Kcipriano@RPSWeb.com) / [www.rpsweb.com](http://www.rpsweb.com)

**Associate Director, Biostatistics and Programming**

*Description:* Responsible for providing leadership in all biostatistical aspects of clinical studies, regulatory submissions, development of the SAP, review protocols, budget development, proposals defense and total quality of all statistical findings following standard operational procedures. Accountable for management of resources including staff development, evaluation, hiring, ensuring quality and timelines are on target and the deployment/management of SAS and Statistical teams for various Sponsors.

*Major Responsibilities:*

- Hiring and assigning staff (Biostatistics, SAS programming)
- Development of specific project teams per Sponsor.
- Participating in strategic development across department with accountability for statistical input into therapeutic area
- Strategic development for all new initiatives
- Understanding data management department and how it impacts the raw data
- Planning and managing budgets and monitoring operating expenses and personnel
- Developing skills and breadth of experience for statistical staff including global assignments and attendance at regulatory, industry, and professional meetings.
- Participation in Biostatistics Skills Group Network
- Maintaining process standards across all therapeutic areas.
- Development and refinement of all departmental operational procedures
- Use the various statistical methods to analyze data to support clinical filings including: Kaplan - Meier, logistic regressions, Fisher's Exact, categorical data analysis and others
- Able to perform with high quality in a highly exposed position day in and day out

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For the following position, please contact **Joseph C. Huddle** / Senior Director, Biostatistics / Marcus & Associates / (914) 941-7100 ext. 101 / [jhuddle@marcusassoc.com](mailto:jhuddle@marcusassoc.com) / <http://www.marcusassoc.com/>

**Director, Biostatistics**

Director, Biostatistics, reporting into the Sr. Director, Clinical Biostatistics. Director will provide statistical leadership/input on protocol design, statistical analysis and interpretation of results for Phases I, II, III; Direct project team members/biostatistics staff; Provide consultation to clinical and pre-clinical scientists regarding the conduct of experiments, clinical trials, statistical methodology and regulatory issues; Interact with domestic and foreign regulatory agencies; Therapeutic areas include: ophthalmology, dermatology, neurology. *Requirements:* a PhD and 8+ years of relevant experience and 4+ years supervisory/management experience.

Many other Biostat opportunities available.

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For the following position, please contact **Bob Crowley** / Manager, Recruiting Services / Jasper Management Consulting Inc. / 232 Madison Avenue, Suite 510 / New York, New York 10016 / 914-589-7383 / [RamsREC@aol.com](mailto:RamsREC@aol.com) / <http://www.jaspermanagement.com/>

**Statistical Scientist, Outcomes Research**

Position located in New York City working for well-respected international pharmaceutical leader. Design health outcomes studies, develop psychometric measurements, analyze and interpret health outcomes data; identify opportunities for data mining of health outcomes databases; develop partnerships with OR scientists; plan, deliver and communicate statistical analyses, data presentations, and scientific reports to support regulatory filings, pricing and formulary positioning, publication activities, and promotional material. *Requirements:* PhD in Statistics or related field with 7+ years experience, or MS and 12+ years experience; experience with statistical methods in aggregate health outcomes data required; training in psychometrics or health economics highly desirable; experience developing psychometric evaluations or health econometrics highly desirable.

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For the following position, please contact **Robert Cox or William Fairley** / Analysis & Inference / P.O. Box 294 / 215 Haverford Avenue / Swarthmore, Pennsylvania 19081 / 610-543-0159 / [rcox@analysisandinference.com](mailto:rcox@analysisandinference.com) / <http://www.analysisandinference.com>

**Statistical and Related Consultants**

Analysis and Inference, Inc., a statistical consulting and research firm in Swarthmore, Pennsylvania seeks people on a consulting basis to help with interesting projects, particularly in the area of fact-finding in negotiations, arbitration, mediation, or litigation.. Various skills and levels of expertise – specialized or combined – are sought, including statistical analysis and research, database construction and maintenance for real data, computer programming, and research assistance. Work may be on- or off-site depending on the project.

**TOP 10 REASONS TO BE A STATISTICIAN**  
(from the Kansas State University Statistics Department web page)

- #10 -- We are right 95% of the time
  - #9 -- We can legally comment on someone's posterior distribution
    - #8 -- We may not be normal, but we are transformable
      - #7 -- We feel complete and sufficient
        - #6 -- Statisticians do it discretely and continuously
          - #5-- We never have to say we are certain
            - #4 -- Deviation is considered normal
              - #3 -- We are honestly significantly different
                - #2 -- We are 'mean' lovers

AND THE NUMBER ONE REASON TO BECOME A STATISTICIAN...

**#1 -- NO ONE ELSE WANTS OUR JOBS**

## TREASURER'S REPORT

**BALANCE FORWARDED (31-May-04):**

**\$ 5,136.38**

**INCOME :**

ASA Chapter Dues

Apr-04 \$ 187.00

May-04 \$ 171.00

Jun-04 \$ 238.00

*Subtotal -- dues* \$ 596.00

Newsletter ads \$ 175.00

Short Course registrations \$ 11,760.00

**TOTAL INCOME:**

**\$ 12,531.00**

**EXPENSES :**

Short Course expenses (July 2004)

Facility, meals \$ 7,833.34

postage and supplies \$ 102.61

refund, cancelled registrations \$ 100.00

payment to Dr. Draper \$ 3,936.66

Short Course prizes \$ 29.75

*Subtotal -- Short Course* \$ 12,002.36

Bank fees \$ 12.00

**TOTAL EXPENSES**

**\$ 12,014.36**

**BALANCE FORWARDED (30-Aug-04):**

**\$ 5,653.02**

## ASA MEMBERSHIP

As a member of ASA, you can participate in any of these 22 special interest Sections. These sections bring together professionals who share a common interest in a particular area of statistics. For more details, please see [www.amstat.org/sections](http://www.amstat.org/sections).

Bayesian Statistical Science	Statistical Computing
Biometrics	Statistical Consulting
Biopharmaceutical	Statistical Education
Business & Economic Statistics	Statistical Graphics
Government Statistics	Statistics in Marketing
Health Policy Statistics	Statistics & the Environment
Nonparametric Statistics	Statistics in Defense & National Security
Physical & Engineering Sciences	Statistics in Epidemiology
Quality & Productivity	Statistics in Sports
Risk Analysis	Survey Research Methods
Social Statistics	Teaching of Statistics in the Health Sciences

We are fortunate to have prominent members of 4 special interest Sections in our local chapter. If you are interested in these Sections, please contact any of the people listed below.

Section	Title (Tenure)	Name
Biopharmaceutical	Chair (2004 - 2004)	<b>Keith A. Soper</b> Merck & Company, Inc. Phone: (215) 652-6443 <a href="mailto:keith_soper@merck.com">keith_soper@merck.com</a>
Biopharmaceutical	Secretary / Treasurer (2002 – 2004)	<b>Kalyan Ghosh</b> Merck & Company, Inc. Phone: (484) 344-3255 <a href="mailto:kalyan_ghosh@merck.com">kalyan_ghosh@merck.com</a>
Health Policy Statistics	Publications Officer (2004 - 2005)	<b>Thomas E. Wasser</b> Lehigh Valley Hospital Phone: (610) 402-2497 <a href="mailto:Thomas.Wasser@LVH.com">Thomas.Wasser@LVH.com</a>
Risk Analysis	Program Chair (2004)	<b>Phyllis A. Gimotty</b> Univ of Penn. School of Medicine Phone: (215) 573-5153 <a href="mailto:pgimotty@cceb.upenn.edu">pgimotty@cceb.upenn.edu</a>
Survey Research Methods	Secretary (2004 - )	<b>Elaine Zanutto</b> The Wharton Sch., 466 JMHH Phone: (215) 898-8231 <a href="mailto:zanutto@wharton.upenn.edu">zanutto@wharton.upenn.edu</a>

## 2004 - 2005 ASAP CHAPTER OFFICERS

<p><b><u>President:</u></b> Diane Miller GlaxoSmithKline 2301 Renaissance Blvd. P.O. Box 61540 (RN0420) King of Prussia, PA 19406 (610) 787-3840 <i>voice</i> (610) 787-7004 <i>fax</i> <a href="mailto:diane_m_miller@gsk.com">diane_m_miller@gsk.com</a></p>	<p><b><u>Vice President:</u></b> Lisa Hickey Merck and Company, Inc. 10 Sentry Parkway BL3-2 Blue Bell, PA 19422 (484) 344-3672 <i>voice</i> (484) 344-2931 <i>fax</i> <a href="mailto:lisa_hickey@merck.com">lisa_hickey@merck.com</a></p>
<p><b><u>Secretary:</u></b> Bob Gagnon GlaxoSmithKline. UP1455, P.O. Box 5089 Collegeville, PA 19426-0989 (610) 917-6208 x 6208 <i>voice</i> (610) 917-7494 <i>fax</i> <a href="mailto:robert.c.gagnon@gsk.com">robert.c.gagnon@gsk.com</a></p>	<p><b><u>Treasurer:</u></b> Paul Lupinacci Department of Mathematical Statistics Villanova University 800 Lancaster Ave. Villanova, PA 19085 (610) 519-7435 <i>voice</i> (610) 519-6928 <i>fax</i> <a href="mailto:paul.lupinacci@villanova.edu">paul.lupinacci@villanova.edu</a></p>
<p><b><u>Newsletter Editor:</u></b> Paul Mange Johansen Merck and Company, Inc. 785 Jolly Road, UNA-102 Blue Bell, PA 19422 (484) 344-3961 <i>voice</i> (484) 344-7105 <i>fax</i> <a href="mailto:paul_johansen@merck.com">paul_johansen@merck.com</a></p>	<p><b><u>Web Master:</u></b> Debbie Panebianco Merck and Company, Inc. 10 Sentry Parkway BL3-2 Blue Bell, PA 19422 (484) 344-7832 <i>voice</i> (484) 344-2931 <i>fax</i> <a href="mailto:deborah_panebianco@merck.com">deborah_panebianco@merck.com</a></p>
<p><b><u>Chapter Representative:</u></b> Devan Mehrotra Merck and Company, Inc. 785 Jolly Road, UNA-102 Blue Bell, PA 19422 (484) 344-2621 <i>voice</i> (484) 344-7105 <i>fax</i> <a href="mailto:devan_mehrotra@merck.com">devan_mehrotra@merck.com</a></p>	<p><b><u>Past President:</u></b> Charles Tan Merck and Company, Inc. P.O. Box 4, WP37C-305 West Point, PA 19486 (215) 652-9877 <i>voice</i> (215) 652-3355 <i>fax</i> <a href="mailto:charles_tan@merck.com">charles_tan@merck.com</a></p>