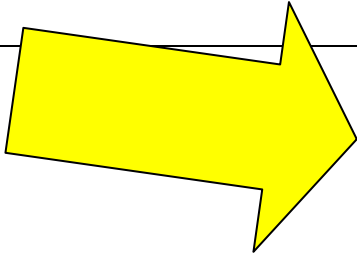


ASAP Newsletter

The Philadelphia Chapter of the
American Statistical Association



June, 2004



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

PRESIDENT'S CORNER

The weather is getting hot...but we have something hotter to offer! We are pleased to announce that **Prof. David Draper** of University of California, Santa Cruz will teach this year's **summer short course**, "Bayesian Modeling, Inference, and Prediction," on Thursday, July 22. Prof. Draper taught a similar course at last year's JSM in San Francisco. It was sold out and was so well-received that it was awarded the ASA Excellence in Continuing Education Award. We are proud to bring this course to our local area at a lower cost for our members and other interested individuals. But seating is limited, so please register early! Please see pages 2-3 for further details, including registration information.

It's time to **elect chapter officers** for 2004-2005. Please see pages 6-7 for candidates' biosketches and voting instructions. The ballots are in a separate file that was sent along with this newsletter. I have enjoyed serving as Vice President and then President of our chapter. I have found this experience very rewarding both personally and professionally, and would encourage others to consider running in future elections. Many thanks to the current Executive Committee for their dedication and resourcefulness. Special thanks to **Michael Mack** of Wyeth who has been our Treasurer for the last three years, and who will not be running for Treasurer again this year. Mike has been the steady hand in the financial management of our chapter. We not only maintained a healthy cash flow for our spring/fall meetings and summer short courses, but also sponsored statistical awards in local events, including the Delaware Valley Science Fair, for the last two years.

We have a new **ASAP logo**, modeled after the ASA logo. Aside from the traditional circular lettering, the bell curve and Liberty Bell clearly identify who and where we are. **Cindy White** of Merck donated her talent and time to create this logo. Thanks, Cindy! Another new feature in this newsletter is the "**Employment**" section. Due to repeated requests by recruiters and companies, we have decided to include a small employment section in our newsletter. We hope this new policy will serve our membership's interests while minimizing the impact on your in-box.

Lastly, I have accepted the nomination to serve on the ASA **Advisory Committee on Continuing Education** as the Chair for a three-year term beginning in November, 2004. The charge of this committee is to advise on continuing education services to ASA members. I would appreciate very much any suggestions/ideas you may have on CE courses, particularly CE courses at JSM. You can find my contact information on page 13.

Have a fun summer and we look forward to seeing you on July 22!

~ Charles Tan

CALENDAR OF EVENTS

Sunday, June 13	Pre-registration ends for NJ ASA's 25th Spring Symposium
Tuesday, June 29	NJ ASA's 25th Spring Symposium in Piscataway, NJ
Friday, July 2	Deadline for group registration for Edward Tufte Course
Friday, July 9	ASAP Ballots due
Friday, July 16	Registration deadline for ASAP Summer Short Course
Thursday, July 22	ASAP Summer Short Course (election results announced)
Thursday, July 29	Edward Tufte's Data Visualization Course in Trevese, PA
Sun-Thurs, August 8-12	JSM in Toronto (early bird registration ends July 1)
Friday, October 22	12 th Merck-Temple Conference in Plymouth Meeting, PA

ASAP SUMMER SHORT COURSE: "BAYESIAN MODELING, INFERENCE, AND PREDICTION" WITH DAVID DRAPER, PH.D. (UC, SANTA CRUZ)

DATE and TIME: Thursday, July 22, 2004, 8:00am - 5:00pm	
LOCATION: Renaissance Hotel, Philadelphia Airport, 500 Stevens Drive (610-521-5900)	
BUFFET LUNCH: chicken noodle soup; garden salad; cole slaw; potato salad; tuna salad; chicken salad; sliced turkey, roast beef, ham, and corned beef; sliced swiss, american, and cheddar cheese; potato chips; dessert selection; coffee and tea	PROGRAM SCHEDULE
	TIME ACTIVITY
	8:00 - 8:45 Meeting/short course check-in (continental breakfast)
	8:45 - 9:00 Introduction and election results – <i>Charles Tan (President, ASAP)</i>
	9:00 - 11:00 Quantification of uncertainty, Inference & prediction w/case studies
	11:00 - 11:15 Break
	11:15 - 12:30 Integer and continuous outcomes w/case studies
	12:30 - 1:30 Buffet Lunch
1:30 - 4:00 Simulation, Hierarchical models w/case studies	
4:00 - 4:15 Break (milk and cookies, coffee and tea)	
4:15 - 5:00 Bayesian modeling w/ case study	
Cost: \$110 per person (\$50 for full-time students)	

Registration: Seating is limited. To register, send check by **Friday, July 16** for \$110 (\$50 for full-time students) -- made payable to "ASAP" -- to Andrea Chrupcala / COL-B5 / Wyeth Research / P.O. Box 42528 / 30th Street Station / Philadelphia, PA 19101 with an e-mail address and phone number so that a confirmation can be sent. Cancellations on or before July 16 will receive a full refund. For cancellations after July 16, you may send a replacement. Because of the need to prepare course materials and provide an accurate head count, there will be **no registrations at the door**. See www.amstatphilly.org for any registration updates.

Directions: The Renaissance Hotel Philadelphia Airport, 500 Stevens Drive, is located in the Airport Business Center at the Philadelphia International Airport, with easy access to I-95, Schuylkill Expressway (I-76), the Blue Route (I-476), and Highway 291. For additional information see <http://www.interamerika.com/USA-Pennsylvania-Philadelphia-RadissonHotel-PhiladelphiaAirport.htm#Location>.

Abstract

This award-winning short course on Bayesian Modeling, Inference and Prediction is based on a series of case studies and assumes no previous exposure to Bayesian ideas or methods.

Topics will include a review of classical, frequentist, and Bayesian definitions of probability; sequential learning via Bayes' Theorem; coherence as a form of internal calibration; Bayesian decision theory via maximization of expected utility; review of frequentist modeling and maximum-likelihood inference; exchangeability as a Bayesian concept parallel to frequentist independence; prior, posterior, and predictive distributions; Bayesian conjugate analysis of binary outcomes, and comparison with frequentist modeling; integer-valued outcomes (Poisson modeling); continuous outcomes (Gaussian modeling); multivariate unknowns and marginal posterior distributions; introduction to simulation-based computation, including rejection sampling and Markov chain Monte Carlo (MCMC) methods; MCMC implementation strategies; introduction to Bayesian hierarchical modeling; fitting and interpreting fixed- and random-effects Poisson regression models; hierarchical modeling with latent variables as an approach to mixture modeling; Bayesian model specification via out-of-sample predictive validation (as a form of external calibration) and the deviance information criterion (DIC).

The case studies will be drawn from medicine (diagnostic screening for HIV; hospital-specific prediction of patient-level mortality rates; hospital length of stay for premature births; a randomized controlled trial of in-home geriatric assessment) and the physical sciences (measurement of physical constants), but the lessons illustrated will apply to a broad range of subject areas in the natural and social sciences.

The course will liberally illustrate user-friendly implementations of MCMC sampling via the freeware programs BUGS and WinBUGS. The course is intended mainly for applied statisticians and will focus on methods and applications rather than theory; an understanding of probability and statistics at the level typically required for a Master's degree in statistics will provide sufficient mathematical background for participants.

Biosketch

David Draper is a Professor in, and Chair of, the Department of Applied Mathematics and Statistics in the Baskin School of Engineering at the University of California, Santa Cruz. From 2001 to 2003 he served as the President-Elect, President, and Past President of the International Society for Bayesian Analysis (ISBA). His research is in the areas of Bayesian inference and prediction, model uncertainty and empirical model-building, hierarchical modeling, Markov Chain Monte Carlo methods, and Bayesian semi-parametric methods, with applications mainly in health policy, education, and environmental risk assessment.

When he gave an earlier version of this short course at the Anaheim JSM in 1997 it received the 1998 ASA Excellence in Continuing Education award, and a short course he gave on intermediate and advanced-level topics in Bayesian hierarchical modeling at the San Francisco JSM in 2003 received the 2004 ASA Excellence in Continuing Education award. He has received or been nominated for major teaching awards everywhere he has taught (the University of Chicago; the RAND Graduate School of Public Policy Studies; the University of California, Los Angeles; the University of Bath (UK); and the University of California, Santa Cruz). He has a particular interest in the exposition of complex statistical methods and ideas in the context of real-world applications.

NJ ASA's 25th SPRING SYMPOSIUM on
“Advances in Survival Analysis Methods For Clinical Trials”
Tuesday, June 29 at the Embassy Suites in Piscataway, NJ

Featured speakers will include **Rebecca Betensky** (Harvard University School of Public Health), **Elizabeth Slate** (Medical University of South Carolina), **Peter Thall** (MD Anderson Cancer Center), and **Ivan S. V. Chan** (Merck Research Laboratories). The cost for this all-day event is \$70 for ASA members before June 13 and \$80 after June 13 (students who pre-register attend free, \$35 for retirees who preregister, and \$75 for non-ASA members before June 13). For more information, please contact Patricia Saunders at 732-235-9369 / saundepa@umdnj.edu or see <http://www.stat.rutgers.edu/njasa/events.html>.

EDWARD TUFTTE and PRESENTING DATA and INFORMATION
Thursday, July 29 at the Radisson in Trevese, PA

Just one week after the ASAP Short Course, **Edward Tufte** (Yale, Emeritus) will be teaching his one-day course on Presenting Data and Information. Topics covered will include:

- fundamental strategies of information design;
- evaluating evidence used in presentations;
- statistical data: tables, graphics, and semi-graphics;
- business, scientific, legal, financial presentations;
- complexity and clarity;
- effective presentations: on paper and in person;
- use of video, overheads, computers, and handouts;
- multi-media, internet, and websites;
- credibility of presentations;
- design of information displays in public spaces;
- animation and scientific visualizations; and
- design of computer interfaces and manuals

The cost is \$320 (\$160 for full-time students), which includes his three books -- *Visual Explanations*, *Envisioning Information*, *The Visual Display of Quantitative Information* -- and the well-known “Napoleon's March” poster. Groups of 10 or more registering simultaneously, pay only \$240 per person (a 25% discount!). If you are interested in attending this course, please contact Newsletter Editor **Paul Johansen** (contact information on page 13) -- who will coordinate a possible ASAP group -- by **Friday, July 2**. Please see <http://www.edwardtufte.com/tufte/courses> for additional information.

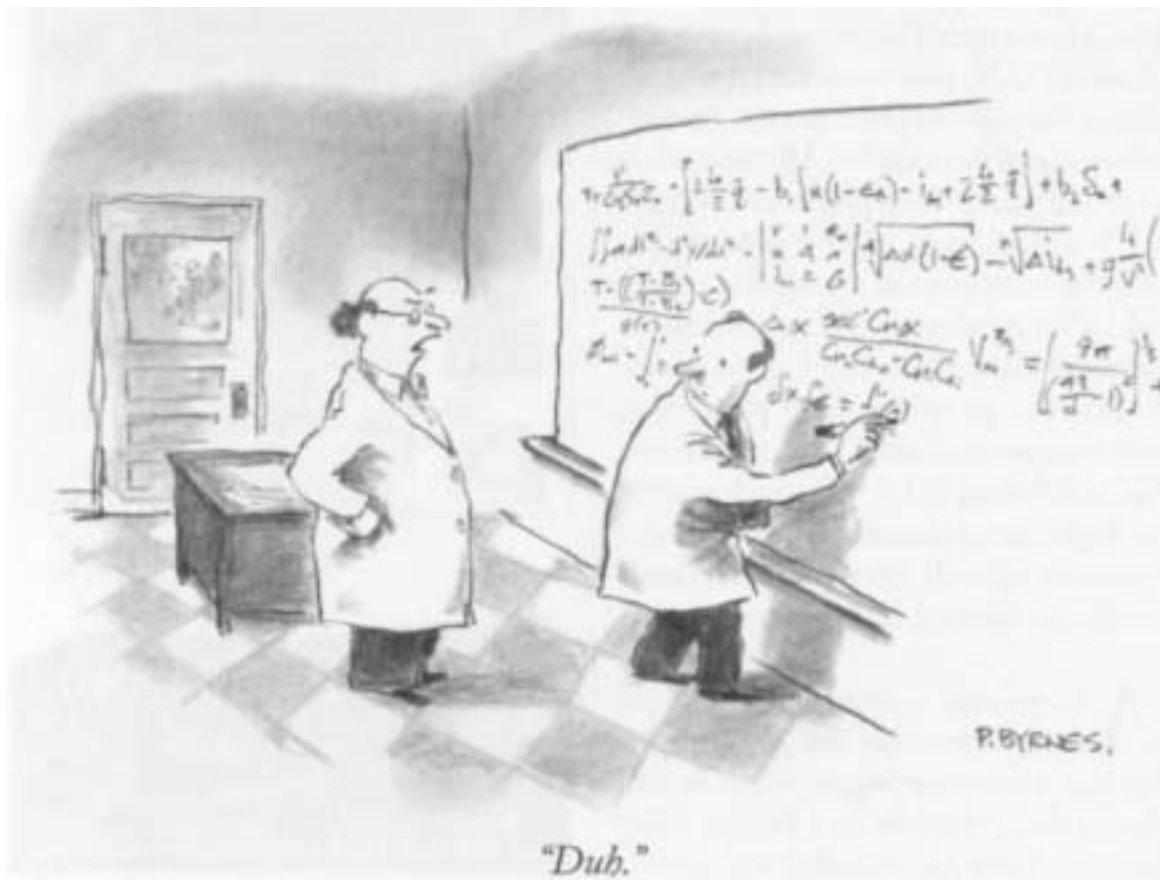
12th MERCK-TEMPLE CONFERENCE

Friday, October 22 at the Plymouth Meeting DoubleTree Hotel

Merck & Company, Inc. and Temple University are pleased to announce the program for the 12th 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), 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/>.

PASTA: PHILADELPHIA AREA STATISTICS TEACHERS ASSOCIATION

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



ELECTIONS for 2004-2005 EXECUTIVE COMMITTEE

The Executive Committee of the American Statistical Association, Philadelphia Chapter (ASAP) consists of four elected positions: President; Vice-President; Secretary; and Treasurer. The term for these positions runs from July 1, 2004 through June 30, 2005. The primary responsibilities of the elected officers include organizing the fall and spring chapter meetings, as well as the summer short course. Elected officers may also appoint other executive positions, such as Chapter Representative, Webmaster, Outreach Officer, and/or Newsletter Editor. Additional activities may be initiated as creativity, interest, and time permit.

Biosketches of all candidates follow on the next page. Accompanying this newsletter you will find a ballot with detailed instructions. Ballots must be filled out and returned as instructed on the ballot by **Friday, July 9**. Three people serve on this year's Elections Committee: **Kim DeWoody** (immediate past ASAP President); **Charles Tan** (outgoing ASAP President); and **Paul Johansen** (ASAP Newsletter Editor). Results will be tallied by Paul Johansen and verified by Kim and Charles. Results will be announced on **Thursday, July 22** at the ASAP Summer Short Course and by email. Thank you in advance for your participation in this important chapter activity!

Candidate for PRESIDENT:

Diane Miller is Senior Director, Biostatistics and Data Management Department, *GlaxoSmithKline* in Upper Merion, Pa. She has worked in the pharmaceutical industry for over 20 years, and is currently serving the chapter as Vice President. She served as Program Chair for Statistical Consulting Sub-Section of ASA (1995) and Corresponding Secretary of the Philadelphia Chapter of the ASA (1995-1997). Diane received a Ph.D. in Quantitative Genetics and Statistics from The Ohio State University in 1982.

Candidates for VICE PRESIDENT:

Alexandra Hanlon has held the position of Director, Biostatistics and Data Management, at *OraPharma* Inc. of Johnson & Johnson since 2002. Her previous role of ten years was Senior Research Biostatistician at Fox Chase Cancer Center in Philadelphia. She received her Ph.D. in Statistics from Temple University (1998) and her M.S. in Mathematical Statistics from the University of California, Irvine (1992). She is active on scientific editorial boards and participates in various professional clinical associations. She is prolific in clinical research collaborations, with co-authorship on nearly 200 scientific peer-reviewed manuscripts.

Lisa Hickey is a Senior Statistician at *Merck Research Labs*, where she works in the Clinical Pharmacology area. She was previously employed at ProMetrics Consulting, Inc. as an Analyst. She received an M.S. in Applied Statistics at Villanova University and a B.S. in Mathematics at the University of Kentucky. She is currently serving her second year as Secretary of the Philadelphia ASA Chapter.

Candidates for TREASURER:

Susan Li is a Biometrician at *Merck Research Laboratories* and has worked in the pharmaceutical industry for 6 years. She was previously employed at Aventis supporting preclinical safety and toxicity studies. At Merck she has worked in the Manufacturing Division, in Phase I Clinical Pharmacology, and is currently working in the area of Vaccine Biostatistics. She received an M.S. in Mathematics from University of Delaware in 1996, and a Ph.D. in Statistics from Temple University in 2003.

Jiandong (JD) Lu is currently a Group Leader in Biostatistics at *Centocor*. Before joining the pharmaceutical industry, he was a Senior Biostatistician supporting the Radiation Therapy Oncology Group and an Assistant Professor at Thomas Jefferson University. He has authored and co-authored various publications in statistical and medical journals. JD received his Ph.D. in Biostatistics from the Medical College of Virginia in 1994.

Paul Lupinacci is currently an Assistant Professor in the Department of Mathematical Sciences at *Villanova University*, where he has worked for 4 years. His research interests include the Design of Experiments and Nonparametric Statistics. Paul is also a part-time consultant to the Biostatistics Section of the Division of Clinical Pharmacology at Thomas Jefferson University. He received a Ph.D. in Statistics from Temple University in 2001.

Candidates for SECRETARY:

Bob Gagnon is an Associate Director in the Statistical Sciences department at *GlaxoSmithKline*. He has worked as a non-clinical statistician for 16 years, and as an epidemiologist for 1 year, all at GSK. Prior to working as a statistician, he worked for 6 years as a bench scientist. He received an M.S. in Applied Statistics from Villanova University in 1989 and recently completed his Ph.D. at Temple University.

Michelle Kelly is a Senior Statistician at *Merck Research Laboratories* and has worked in the pharmaceutical industry for over 6 years. She received a Masters Degree in Statistics from Virginia Tech in 1997. Upon graduation, she worked as a Statistical Scientist at AstraZeneca for 3 years. She took her current position at Merck after AstraZeneca relocated to Delaware. She currently lives in Harleysville, Pennsylvania with her husband Mark.

UPENN BIOSTATISTICIANS HONORED

The University of Pennsylvania Department of Biostatistics & Epidemiology is pleased to list the following awards and recognition received by the Biostatistics faculty and graduate students within the past year.

Faculty

- Professor **Jesse Berlin**: *2004 Fellow of ASA*
- Professor **Daniel Heitjan**: *Program Chair, 2005 Joint Statistical Meetings; Invited speaker, International Society for Bayesian Analysis Meeting, Viña del Mar, Chile, May 2004; Faculty member, 2004 AACR/ASCO Workshop on Methods in Clinical Cancer Research, Vail, CO, July 2004*

Ph.D. Student Dissertations and/or Awards

- **Gui-shuang Ying** (Ph.D. 2004, Assistant Professor, University of Pennsylvania, Dissertation advisor D. Heitjan)
- **Jiameng Zhang** (Ph.D. 2004, Research Associate, Harvard School of Public Health, Dissertation advisor D. Heitjan): *International Biometric Society's Eastern North American Region (ENAR) Student Awards; Student Scholarship at the 25th Annual Meeting of the Society for Clinical Trials; Saul Winegrad, PhD Award for Outstanding Dissertation.*
- **Li Qin**: (Ph.D. Student, August 2004 Expected Graduation, Dissertation Advisor W. Guo): *International Biometric Society's Eastern North American Region (ENAR) Student Awards*
- **Jing Zhao**: (Ph.D. Student): *International Biometric Society's Eastern North American Region (ENAR) Student Award*
- **Robin Mogg**: (Ph.D. Student): *Charlie Sampson Student Poster Award at the 27th Midwest Biopharmaceutical Statistics Workshop in Muncie, IN.*

LOCAL 2003 AND 2004 ASA FELLOWS

In addition to Jesse Berlin, mentioned above, 2 other local statisticians were honored as ASA Fellows in 2004: former ASAP Outreach Coordinator **Tom Short** (Indiana University of Pennsylvania) and **Francis X. Diebold** (University of Pennsylvania). Last year, 3 local statisticians were honored as ASA Fellows: **Burt S. Holland** (Temple University); **Richard M. Heiberger** (Temple University); and **Lawrence D. Brown** (University of Pennsylvania). For more information please see <http://www.amstat.org/pressroom/index.cfm?fuseaction=2004fellows> or <http://www.amstat.org/pressroom/index.cfm?fuseaction=2003fellows>.

DELAWARE VALLEY SCIENCE FAIR RESULTS

On April 7, the Philadelphia ASA Chapter (ASAP) awarded three promising students checks for \$100 each at the Delaware Valley Science Fairs (DVSF). The DVSF, Inc. was founded in 1949 by the Franklin Institute and *The Philadelphia Inquirer*, making it one of the oldest science fairs in this country. The DVSF draws students from 19 counties in southern New Jersey, southeastern Pennsylvania, and Delaware. Seven statistical judges evaluated about 900 posters across 13 subject areas -- behavioral/social sciences; biochemistry; botany; chemistry; computer sciences; earth/space sciences; engineering; environmental sciences; mathematics; medicine/health; microbiology; physics; and zoology -- and gave awards to the students who made the best use of statistics in their independent research project. The winners were:

Nathaniel Roth (11th grade) from Upper Dublin High School in Havertown, PA for his mathematics project, "The Effects of Statistical Parameters on Power Curves;"

Eileen Ke (9th grade) from Germantown Academy in Fort Washington, PA for her computer science project, "Simulating the Behavior of the SARS Virus Using the Monte Carlo Method;" and

Melanie Styer (8th grade) from the Western PA Cyber-Charter School in Havertown, PA for her mathematics project, "Mathematical Modeling of the Coefficient of Restitution."

In addition to the cash awards, all three student and their schools received JMP INTRO software, generously donated by the SAS Institute. Finally, certificates and information about ASA and ASAP were also given to all three students and their schools. Congratulations to the winners, and thanks to the judges and their employers, who generously donated a day of their time.

Eileen went on to compete in the Intel International Science and Engineering Fair May 9-15 in Portland, Oregon, where she won third place in the Best of Category Award -- for Microbiology! For more information, please see <http://www.sciserv.org/isef/results/grnd2004.asp>.

AND THE WINNERS ARE...



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“DVSF” ©2004 by Iguana Photo, www.IguanaPhoto.com

2004 PENNSYLVANIA STATISTICS POSTER COMPETITION RESULTS

Now in its eighth year, ASAP also provides awards in the Pennsylvania Statistics Poster Competition (<http://www.math.iup.edu/paposters/2004/>). This year nine judges evaluated 660 submissions from across the state, and gave a total of 33 awards. One first prize, one second prize, and one third prize were given in each of four age categories: K-3rd grade, 4th-6th grades, 7th-9th grades, and 10th-12th grades. The remaining 21 prizes were given as honorable mentions. This state-wide poster competition is a prelude to the ASA's national poster competition (<http://www.amstat.org/education/index.cfm?fuseaction=poster1>). Of the 17 awards given at the national level, 6 came from the pool of Pennsylvania Statistics Poster award-winners. Students in the 4th-6th grades fared especially well, taking 4 of the 5 prizes awarded nationally!

TREASURER'S REPORT

BALANCE FORWARDED (31-Jan-04):	\$ 4,244.42
INCOME:	
ASA Chapter Dues	
Dec 2003 \$	196.00
Jan-Mar 2004 \$	559.00
<i>Subtotal dues</i>	\$ 755.00
additional Short Course registrations \$	525.00
Spring meeting registrations \$	1,385.00
<i>Subtotal registrations</i>	\$ 1,910.00
Cash	\$ 22.00
TOTAL INCOME:	\$ 2,687.00
EXPENSES:	
Spring Meeting Costs (Mar-2004)	
Facility, meals	\$ 1,167.43
Grant to PA Statistics Poster Competition	\$ 250.00
Delaware Valley Science Fair Awards	\$ 300.00
DVSF Certificate frames	\$ 53.61
Bank fees	\$ 24.00
TOTAL EXPENSES	\$ 1,795.04
BALANCE FORWARDED (31-May-04)	\$ 5,136.38

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. We issue newsletters in September, February, and May. You are encouraged to include a brief description of the opening, your contact information, and a link to your web site or a document with additional information. Please send a check -- payable to "ASAP" -- to our Treasurer, and email your text to the Newsletter Editor (contact information on page 13).

* * * * *

For any of the following 3 employment opportunities, please contact **Torey Vizzo** / Managing Director, Biostatistics / The Cambridge Group Ltd / (800) 525-3396 ext. 248 / biostat@cambridgegroup.com / <http://www.cambridgegroup.com/pharmaceuticals/>

Senior Director, Biostatistics

Maximize 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. A PhD with 10+ years of relevant experience.

Senior Director, Biostatistics

Manage and provide administrative/technical oversight to a staff of 6-9 Statisticians. Oversee and review design/planning of appropriate statistical methodology. Provide strategic statistical and scientific reporting expertise. Participate in: leadership/management of consistent processes; providing statistical input into the design of project plans; regulatory strategies/interactions/presentations; data presentations and scientific reports for clinical trial results. Participate in formulating strategies/standards to be implemented at all sites. Extensive clinical development/business experience. Experience managing multiple, highly complex projects. A PhD with 10+ years of experience in Pharmaceutical R&D.

Principal Biostatistician

Responsible for statistical tasks on assigned clinical trials, e.g. clinical trial design/planning, analysis plan, reporting activities including programming tasks, exploratory analyses and additional analyses to support publications. Write statistical methodology section of protocol and statistical section of the clinical trial report. Oversee CRO deliverables for trials contracted out. Solid hands-on experience as a lead statistician in protocol development, analyses, study reports, for Phase II-III clinical trials. Therapeutic areas include; GI, CNS, cardiovascular, endocrinology, arthritis, bone, respiratory, diabetes or oncology. A PhD with 4+ years of pharmaceutical experience required.

* * * * *

For this employment opportunity, please contact Denis P. Fahey / Jasper Management Consulting, Inc. / 232 Madison Ave, Suite 510 / New York, New York 10016 / office: 212-687-8760 / cell: 914-523-2089 / Fax: 212-692-9630 / jasperdpf@aol.com / www.jaspermanagement.com

Our clients include top 10 global leaders in the pharmaceutical industry, with opportunities throughout the country. Our clients typically look for Ph.D.-level statisticians with 1+ years of clinical trial experience for full-time salaried jobs. Although our clients have openings ranging from the "Biostatistician" to the "Director" level, most of our openings fit into the "Associate Director" category. For the right candidate, our clients offer an "Associate Director" a base pay in the range of \$100K to \$130K plus excellent benefits and growth opportunities. Most clients also offer stock options, excellent relocation benefits, and generous "sign-on" bonuses.

* * * * *

For this employment opportunity, please contact Danielle Tolley / 215-540-0700 x371 / DTolley@RPSWeb.com / www.rpsweb.com.

Biostatistician

RPS is looking for a seasoned Biostatistician with an MS or PhD and at least two years of clinical trials experience. Ideal candidate would have experience with protocol development, statistical analysis, ISS/ISE, writing Statistical Analysis Plans, and NDA submissions. We are currently hiring permanent employees and consultants to be part of our Clinical Operations Team.

RPS (ReSearch Pharmaceutical Services, Inc.), a privately held, employee-owned company, is the first Pharmaceutical Resource Organization (PRO) in the Pharmaceutical/Biotechnology industry, and recently expanded with a west coast facility in Sherman Oaks, CA.

* * * * *

For this employment opportunity, you may submit CV in complete confidence to Jennifer Finnegan / Senior Recruiter / Marcus & Associates / Office: 914.941.7100 x104 / Fax: 914.941.8629 / jfinnegan@marcusassoc.com

Sr. Biostatistician/Principal Biostatistician/Associate Director

Primary Responsibilities

- Provide statistical input/support on protocol design, statistical analysis and interpretation of results for Phases I, II, III, IIIb & IV studies - opportunities available in early development, clinical development and medical affairs
- Write statistical analysis plans, clinical study reports & components of regulatory filings
- Participate on/lead project teams and interact with multidisciplinary teams
- Potential for managerial responsibilities

Requirements

- 2+ years of relevant clinical biostatistical experience
- Masters degree in Biostatistics or related area; PhD preferred
- Oncology experience desired (not required)
- SAS or S-PLUS software/programming
- Excellent written and oral communication skills

Salary

Outstanding compensation package including: competitive base salary; annual cash bonus; stock options; and full relocation

For this employment opportunity, please send a resume and cover letter to careers@cytel.com or contact **Sean McIntosh** / Director of Marketing / Cytel Software Corporation / T: 617 528 7132 / F: 617 661 4405 / sean@cytel.com / www.cytel.com/Corporate/jobs.asp

Biostatistician/Product Manager

Cytel Software, the creator of statistical software East®, StatXact® and LogXact®, is seeking a talented biostatistician to lead our growing business in analytical services for design and conduct of clinical trials. The Biostatistician/Product Manager will deliver training and consulting around clinical trials as well as participate in the development of software that is helping companies, government agencies, and research centers change the way clinical trials are designed and conducted. **Requirements:** Ph.D. in Statistics or Biostatistics, 3 to 5 years of clinical trials experience, and an entrepreneurial spirit.

2003 - 2004 ASAP CHAPTER OFFICERS

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<p><u>Chapter Representative:</u> 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> devan_mehrotra@merck.com</p>	<p><u>Past President:</u> Kim DeWoody Centocor, Inc. 200 Great Valley Parkway Malvern, PA 19355 (610) 889-4683 <i>voice</i> (610) 651-6117 <i>fax</i> kdewoody@centus.jnj.com</p>