

AWIS NEWSLETTER

Mission Statement: The Association for Women in Science, Inc. (AWIS) is a non-profit organization dedicated to the achievement of equity and full participation of women in all areas of science and technology

Mark your Calendars for the 2002 Spring Gala Casino Night! by Tobey Tam

Every other year AWIS holds a gala to raise funds for scholarships. The planning committee is officially announcing that the 2002 Spring Gala Casino Night will be held Saturday, March 30th, 6pm at TSRI. A generous faculty member at TSRI has arranged for us to have the Gala at the Scripps Faculty Club. This not only provides us with an attractive atmosphere for the Casino Night but also allows us to reserve more funds for the scholarships themselves. This Gala is the main AWIS event for 2002 and aims to attract women scientists from all areas (business, law, technology, academia and students). This night will be a chance for all AWIS members to socialize with each other while having fun in the 'casino'. More information on how to purchase tickets will be available on our scholarship webpage (<http://awis.npaci.edu/html/scholarship.html>) in late December and in the Jan/Feb AWIS newsletter issue.

Everyone on our email list will also get a notification. Ticket prices will range from \$25-\$35. Space may be limited, so be sure to purchase your tickets early. If you have any questions please contact Anna-Maria Hays at haysam@scripps.edu.

September 2001 AWIS Event Federal Science Policy: How Scientists Shape the Debate by Janice Payne



Have you ever wondered how federal legislative decisions are made regarding funding for biomedical research? Should those decisions be made by lawmakers, without input from the scientists who do the research? We would hope not.

Michelle Grifka, California coordinator of the Joint Steering Committee for Public Policy (JSC) joined us at Pharmingen on Sept. 19 to address this topic. The JSC, which represents over 20,000 researchers, was formed in 1990 and is a coalition of three basic biomedical research societies: the American Society for Biochemistry and Molecular Biology, American Society for Cell Biology and the Genetics Society of America. The mission of the JSC is to bring scientists together to give them a voice in federal funding and policy decisions.

The JSC provides advisors for the Congressional Biomedical Research Caucus, a caucus of Senators and Representatives who meet to discuss the latest breakthroughs in topics ranging from cancer to stem cell research.

The JSC also sponsors Capitol Hill Days, which allow scientists to travel to Washington, D.C. to meet with their Members of Congress.

If you are interested in getting involved with the JSC, Michelle Grifka encouraged attendees to join the Congressional Liaison Committee (CLC). Members of the CLC receive e-mail alerts of important legislative issues and they are encouraged to write letters to Members of Congress or to write opinion editorials for local newspapers.

For questions or to join the CLC, contact Michelle Grifka at mgrifka@jscpp.org or visit the JSC website at www.jscpp.org.

Technology Profile: The San Diego Supercomputer Center (SDSC) by Tobey Tam

Started in 1984, the San Diego Supercomputer Center is both a national laboratory for computational science and an organized research unit of the University of California at San Diego. As a national facility SDSC leads the National Partnership for Advanced Computational Infrastructure (NPACI), which is a partnership of 40 institutions funded by the National Science Foundation (NSF). NPACI was created for researchers to have access to many of the world's most innovative computing, data, and networking resources. SDSC operates the largest computing resource available to the national scientific community. For example, SDSC houses the most powerful computer available to the U.S. academic community. This computer, known as "Blue Horizon," is the eighth most powerful in the world. Its 1,152-processor IBM SP is capable of performing 1.7 trillion calculations per second. Although 90% of the computer time on the supercomputers is allotted towards academic research, organizations in the commercial, private, and government sectors also have access through SDSC's Science and Technology Outreach Program.

A few of the well-known departments in SDSC include the Computational Biology and Bioinformatics division lead by the Protein Data Bank (PDB) group. The PDB is the only repository of protein structure data in the world. SDSC's Data-Intensive Computing group currently leads an NSF Digital Government proposal to develop an Information Integration Testbed, which will provide a single point of access and a common interface to data sets from government agencies. SDSC also conducts research in global internet infrastructure, which can aid in tracking internet viruses and hackers; graphical systems, which include 3-D visualization of medical procedures, and simulations of climate change due to effects of the ocean.

The most recent development for SDSC occurred this past August when NSF pledged \$53 million for a Distributed Terascale Facility (DTF). Along with the National Center for Supercomputing Applications (NCSA), Argonne National Laboratory, and the California Institute of Technology (Caltech), SDSC aims to build the world's most powerful computational infrastructure, nicknamed "the Teragrid." The director of NCSA, Dan Reed, says, "Nothing like the DTF has ever been attempted before. This will be the largest, most comprehensive infrastructure ever deployed for open scientific research." The DTF network will be able to transport data 16 times faster than the fastest research networks currently in operation.

SDSC has an outreach program that offers tours to local middle and high school students. Kids are also invited to "science days" at the Center to meet researchers, learn about science, and watch computer-designed demonstrations. A supporter of women in all areas of science, SDSC also generously hosts our chapter's website, <http://awis.npaci.edu/>. For more information about SDSC, visit their website at <http://www.sdsc.edu/>.

Table of Contents on Page 7

**Leadership Profile: Francine D. Berman,
Director of the San Diego Supercomputer Center
by Tobey Tam**



This past February, Francine D. Berman was appointed the director of the San Diego Supercomputer Center (SDSC). It was a personal achievement following many contributions to the establishment of the area's computational infrastructure. A computer science professor at UCSD, her research focused on developing adaptive software that boosts performance. She is a fellow of the Association for Computing Machinery and a founder of UCSD's Parallel Computation and Grid Computing Laboratories. Berman had been involved early on in the establishment of SDSC and NPACI. Now, as director, she has the ability to accomplish a great deal. For example, this past August when NSF pledged \$53 million to build and establish a distributed terascale facility (DTF, Teragrid) through a collaboration with SDSC, NCSA, Argonne, and Caltech.

Berman's career is periodically marked by great changes as she moves to pursue new challenges and opportunities. Finding appeal in the structure, function, and aesthetics of numbers and formulas, Berman was interested initially in mathematics and received her BA in that field at UCLA in 1973. Then, as a mathematics graduate student, she switched fields to theoretical computer science, earning an MS in 1976 and PhD in 1979 at the University of Washington. She went to Purdue University to become an assistant professor, and then in 1984 to UCSD where she eventually became a full professor. Along the way she has gained many responsibilities, which include raising a family with her husband, also a researcher. In her new position at SDSC, she finds herself managing diverse teams of researchers across various fields. In spite of a seemingly overwhelming burden, she enthusiastically sees her goal as ensuring that SDSC makes a solid contribution and impact to the sciences and general public. "SDSC is an amazing place," she said, "a national treasure. We can do things at a scale and with a synergy that one may not be able to do at other places; particularly in academic departments where you have a lot of very strong individuals who aren't necessarily coordinated on the same projects. And that's an exciting difference between SDSC and almost every other place."

Berman foresees the current decade as an exciting and revolutionary time for the field of high-performance computing. Her vision is to build on the existing strengths of SDSC and NPACI, including the research in biosciences, data-intensive computing, high-performance computing, and networking, while supporting the national research community. By securing funds for the Teragrid, she has taken a great step towards achieving these goals – and set an example for others to follow.

Her philosophy is simple and with it she has been successful in her work. "The most important thing is to develop a strong sense of yourself and to be as self-actualized as you can at any given point in your life," she says. "One should develop a sense of trying to listen to your inner voice, to figure out what you really want to do and get smart about the world in which you want to achieve your goals." This will not be easy, however. She suggests, "Also understand something about politics, develop your skill, find people to talk to and mentors to get to know the lay of the land. And work really hard. If you are able to find opportunities, be there to do a good job, then your chances of success are good." Berman is very visible at SDSC and makes an effort to be approachable. She is also dedicated to and makes a priority of both her work and family. She notes that her husband has been supportive, sharing responsibilities in caring for their two children. Berman is remarkable in that her life seems to reflect her own

philosophy. She never dreamt that she would become director of SDSC, but once given the opportunity, she has already accomplished a great deal in a short time.

**Book Review: *The Door in the Dream:
Conversations with Eminent Women in Science.*
Author Elga Wasserman
by Tobey Tam**

The Door in the Dream is about the 86 women elected into the National Academy of Sciences. This prestigious organization elects into their ranks 60 new members each year. Nominees are recognized by their outstanding achievements in science and the acknowledgement of their peers. These 86 women represent approximately five percent of the membership in the Academy. Dr. Elga Wasserman examines the lives of these women through interviews or letters in order to highlight issues linking gender inequality to success in career opportunities. Wasserman organizes her findings into three main sections in her book. The first focuses on the culture of contemporary women scientists. The second contains 26 narrative profiles from different women Academy members. And the last details suggestions made by these members to attract more women into science careers.

Although many women describe facing extraordinary difficulties such as gender discrimination, child raising issues, and unequal pay, all found success in their careers. They demonstrated at least, that it is possible to excel in a challenging career and to have a fruitful family life. Asked what changes they would make to aid the careers of contemporary women given sufficient money and power, the members all gave different types of answers that fell into three categories. The first includes creating new policies that encourage young women to break traditional barriers and become scientists. The second is the promotion of a family-friendly environment at research institutions in order to retain scientists who are pressured into leaving the field for other responsibilities. The last involves reforming the current system of scales and promotion, so as to reward more women with senior positions and equalize opportunities for women to take part in high-level decision-making.

A few independent reports on the equality of women in the sciences have been publicized and clearly delineate a vast discrepancy in advancement between the sexes in terms of appointments, tenureship, and salary within the scientific community. Wasserman's book gives readers a glimpse of the realities women experience as they cope with the hardships that belie the facts and figures.

The Book Club held its first meeting on Wednesday, September 12th at The Scripps Research Institute to review this book. This particular meeting date did not fit into the schedules of most people in the book club. We will try to accommodate more people in the future. The overall opinion of this book was that it was straightforward and brought attention to the different lives of women scientists. A few readers commented that the book lacked a strong message. It hints that women in science had -- and may still have -- difficulties advancing in their careers because of their gender. But the author herself stops short of advancing this thesis, and instead lets her interviewees speak for themselves. This book seems to be one of the 'essential' books that should be read by all women scientists because of its perspectives on how women have handled pursuing a career in science and being a woman. Out of six readers, the average rating for this book was



(Star Chart: 5=would read again, 4=would recommend to a friend, 3=might recommend to others, 2=could not recommend & 1=couldn't finish reading). Our next Book Club meeting will be Thursday, January 10th, to review the book *An Unexpected Light*:

Travels in Afghanistan by Jason Elliot. We will also have a guest, Fariba Fana, a woman who escaped Afghanistan when the Taliban came to power. She will help us to understand more about the Afghan people. For more information about future meetings and book reviews please visit <http://awis.npaci.edu/book.html>. Even if you have not read the book chosen for a particular meeting, everyone is welcome to come socialize and help choose the next book to review.

Report from AWIS Member Kathryn Parker, ACS 2000-2001 Congressional Fellow, Office of Senator Jim Jeffords

What a fantastic year this has been. I could not have imagined a more exciting fellowship experience. It started out with the incredible 2000 election. I never thought that could be topped, but it was. Who could have conjured up a more unlikely scenario than the decision by Senator Jeffords to leave the Republican Party and the effects of his decision? These were truly historic events that very few are privileged, as I have been, to experience from the "inside." The political process in action!

My year began late last summer with a long drive across the country from San Diego. Despite the higher rent, I chose an English Basement apartment on 'The Hill.' It turned out to be the right decision, one of several good decisions to come. A five-minute walk to my office made all the difference after those long, often twelve-plus hour days and numerous weekends. The two-week AAAS orientation was extremely informative and helpful. We heard from many prominent and influential people in the Washington science and policy communities. The sumptuous luncheons, dinners, and receptions in some pretty impressive places added to the unique experience.

At the orientation session, we were told that it was all right if we decided to change offices during the year. In theory, I took that advice in at the time. I never realized that I would be using that option myself. For although I dutifully interviewed with several offices and committees and systematically analyzed all the pros and cons of my subsequent offers, I still ended up initially choosing an office that was not right for me. The personal office dynamics was simply not one I could function well in. Leaving was difficult, but I never made a better decision in my life. Senator Jeffords' personal office, besides turning out to be a truly historic place to be, proved to be very different from the one I had left. People were friendly, cooperative, pleasant, courteous, helpful...I can't say enough. The Senator turned out to be the same, and then add in a large helping of principles and integrity as well.

In Senator Jeffords' office, I handled energy issues, specifically renewables and air quality issues. Energy is not my area of expertise, but I certainly learned a lot. I couldn't have been working on a more key issue at a more critical time. I drafted up the four-pollutants bill and wrote the Senator's floor speech for its introduction. We held the press conference and introduced the legislation two days after the President announced he was no longer supporting inclusion of carbon dioxide in the proposed legislation. I found that my chemistry background was a real asset in understanding these issues and to provide sound input. When I reminded our Legislative Director at one point that I didn't have any background in energy issues he couldn't believe it, asking "how do you know all this stuff?". A good scientific training really does pay off.

Accepting a placement in which my responsibilities were not my areas of expertise turned out to be a great learning experience, and it may take me down a new career path. I had free reign to work on the issues: writing up speeches, floor statements, press releases and articles for publication, as well as meeting and negotiating with industries, environmental groups, government

agencies, and other Congressional Offices. I also gave talks representing the Senator at Senate briefings, organizational meetings and conferences. I was given an incredible amount of responsibility and opportunities.

Senator Jeffords is on the Senate Finance Committee, the Subcommittee on International Trade. Since the Senator is well-known as a champion of environmental issues and a member of this important committee, he is continually being approached by environmental groups to sponsor or otherwise assist in efforts on the international environmental front. Early on in my tenure in his office, I expressed an interest in international environmental issues. Because of this expressed interest and my background in environmental chemistry, I was asked by the State Department to be part of the official U.S. delegation to the Stockholm Convention on Persistent Organic Pollutants. Representing Senator Jim Jeffords, and the American Chemical Society as a 2000-2001 Congressional Fellow, at the signing of this important treaty was another real highlight of the year. This Executive-side diplomatic experience added another bonus to my already rich Congressional experience.

Although the fellowship was an enjoyable experience overall, I would be remiss if I did not mention that it was also an intense and stressful one at times. The first few weeks (even months) were particularly difficult. As a Congressional Science Fellow, and someone who has extensive knowledge and expertise in a particular field of study, including years of experience in a profession it is disconcerting when suddenly you're thrown into an environment where you know nothing. The protocols, the rules, the players, the institution, are all foreign, and if you've taken responsibility for issues that are not in your particular field of expertise, you've got that to deal with as well. However, talking to other fellows, as well as staff from the ACS Governmental Affairs office, really helped, as they could give useful advice. It was definitely one of those character building experiences.

When I initially considered applying for the Congressional Fellowship, I wasn't sure that my diverse background would be the kind that ACS would be looking for. However, I came to realize through the application process, that my broadly varied past might be an asset. From my twenty-plus years of professional and personal experiences, I brought a working understanding of the scientific community through my past jobs in science education, regulatory compliance, scientific research, as well as a number of years in consulting, management, and mediation. As it turned out, this background was extremely useful when working in the public policy arena. The skills I had developed in coordinating and negotiating between diverse groups with often competing interests were just the right combination for working on Capitol Hill!

I am convinced more than ever that scientific expertise is sorely needed, not only on Capitol Hill, but in government and public policy institutions, in general. We, as scientists, have a responsibility to help provide that expertise and to work towards bridging what is sometimes a miles-wide gap between science and public policy. Fellowship service as a science consultant opened my eyes to the large need, and practical opportunities, for integrating scientific expertise into the public policy process. I wish to express my gratitude to ACS for the opportunity to represent them.

AWIS Members "on the Move...."

Sharon Wampler, Ph.D. Is "back in the working world!" No more lazy days at the beach... for now. Sharon accepted a position as Interim Director of Bioscience at UCSD Extension on Sept. 4th. She will be helping to expand their biotech program by developing new courses, recruiting instructors, and building affiliations with

appropriate organizations beneficial to the educational mission. Feel free to contact her if you have questions about any courses, have ideas for new courses, or have a hankering to teach! Sharon can be contacted at: (858)451-7690

Kristin Hood, Ph.D. has joined a "great postdoc program" at Wyeth/Genetics Institute in Cambridge, Massachusetts. She will be characterizing novel phosphatases.

The San Diego Chapter of AWIS welcomes the following new members:

Shannon Bizantz	
Barbra Blake	
Jackie Sue Bodnar	UCLA
Rosemary Cesario	Ligand Pharmaceuticals
Jacqueline Glynn	Arizeke Pharmaceuticals
Tara Renee Hale	LMA North America, Inc.
Joyce James	
Louise Lisansky	
Barbara Luise Roland	RW Johnson PRI
Sandra Titzer-Rickert	
Rochelle Tractenberg	
Beverley Wilkinson	The Scripps Research Institute

AWIS Open House by Janice Payne and Barbara Armstrong

Following Michelle Grifka's presentation was an open house, which allowed AWIS members and non-members to meet current board members and gather information on AWIS committees. It was a great opportunity to find out what AWIS is all about. Board members present were Melissa Fitzgerald, Barbara Coleman, Kim Barrett and Linette Edison. Committee chairs present to recruit new members were Anna Maria Hays, Tobey Tam, Barbara Armstrong and Marcelle Vogel.

We would like to take this time to recognize the following AWIS members who make AWIS strong by serving on our committees (Book Review, Events, Gala, Newsletter, Outreach, and Scholarship.)

Book Review: Tobey Tam (chair) Janice Payne, Cathy Manner, Barbara Armstrong, Lynn Fink, Alycen Pond, Cara Baron, Janice Bell, Adrienne Brown, Ruth Bush, Tamara Church, Judith Finlay, Lynne Friedmann, Anna-Maria Hays, Chia-Yu Hwu, Caroline Lanigan, Terri Larsen, Kathleen Scully, and Sandra Slivka.

Events: Marcelle Vogel (chair) Michele Krakowski, Yvette Liebseman, Brenda Kraul, Fan Li Chou, Susan Carroll, Janice Payne and Cathy Manner.

Gala: Tobey Tam, Anna-Maria Hays, and Alycen Nigro (co-chairs) Jodi Connolly, Marcy Ho-Sing-Loy, Nhi Le, Celsa Spina, Elaine Weidenhammer, and Joleen White.

Newsletter: Barbara Armstrong (Chair) Cathy Manner, Janice Payne, Tobey Tam, and Joanne Mullen.

Outreach: Anna-Maria Hays (chair) Cara Baron, Christie Canaria, Andria Lee, Cathy Manner, Michelle Mardahl-Dumesnil, Sandra Matsumoto, Abbey Olson, Dawne Page, Brinda Rana, Tobey Tam, and Rachel Taylor.

Scholarship: Anna-Maria Hays (chair) and Alycen Nigro.

Website: Tobey Tam.

Sharon Cherf Recognized for Service to AWIS by Barbara Armstrong and Joanne Mullen

Sharon will be taking a well-deserved break from sending us announcements through the AWIS email list (a listserve she established in 1998 to inform members of job opportunities, news, and events in between newsletters.) She served as webmaster from 1998 to June of this year; created the overall layout as it exists today and moved it to its present server at the supercomputer center. Sharon was the editor of the AWIS Newsletter from 1995 to 1999 and served on the AWIS Board from 1993 to 1994. The AWIS-San Diego Chapter owes Sharon a debt of gratitude for her commitment to improving our methods of shared information, using current technology.

Job Opportunities

Patent Liaison

Alexion Antibody Technologies, Inc., a wholly-owned subsidiary of Alexion Pharmaceuticals, is a public company located in San Diego. The Company is engaged in the discovery and development of novel antibody therapeutics for the treatment of cancer and autoimmune disorders. The Company has an immediate full-time position opening for a Patent Liaison with the following job description:

Candidate will serve as a liaison between creative scientists and patent attorneys. Responsibilities include drafting detailed invention disclosures following discussions with scientists and/or notebook entries, keeping abreast of relevant Intellectual Property in the field, performing IP searches for areas under discussion, and attendance at lab meetings to keep abreast of and build Corporate Intellectual Property Portfolio.

The candidate will have the following qualifications:

- Ph.D. in biological sciences
- Good writing skills, with an enjoyment of technical writing
- Good verbal communication skills
- Good organization, time-management and multitasking skills

Alexion Antibody Technologies, Inc.
11494 Sorrento Valley Road, Suite K
San Diego, CA 92121
Fax: 858-794-6333
ATTN: Dr. Katherine Bowdish

Dear AWIS members,

Yoh Scientific, the leading provider of long and short-term talent in the biotech and pharmaceutical industry, is currently looking for scientists (i.e. chemists, molecular biologists, microbiologists, biochemists, etc.) in the San Diego area.

The local job market is remains strong and there are many rewarding positions that are currently available for all backgrounds. If you are interested in advancing your career, please don't hesitate to call.

Job Opportunities (continued from previous page)

Also, please inquire if you are interested in finding out what your 'market value' is as a scientific professional or if you would like more information on what opportunities exist for you out there.

Thanks,



David Ullum
Recruiting Specialist
Yoh Scientific
Ph: (858)622-9005 x 230
Fax: (858)622-9048
dave.ullum@yoh.com
Know greater talent.

Cato Research Ltd. (CRL) is an established CRO which engages in pharmaceutical drug development and FDA registration on behalf of clients in the pharmaceutical and biotechnology industries. Offices are located in RTP, NC; San Diego, CA; San Francisco, CA; Rockville, MD; and Montreal, Canada.

CRL has exciting opportunities in a non-laboratory environment for experienced professionals. These individuals must have strong communication skills, strong work ethic and be customer-service oriented.

Fellowship in Clinical Research & Drug Development

All CATO locations

Exciting *non-laboratory* opportunities for self-starters with scientific backgrounds who want to learn and grow in a creative environment. These individuals will receive training in the clinical scientific, regulatory, medical, and financial aspects of pharmaceutical drug development. See [Fellows Program](#) on website for more information.

The ideal candidates will possess:

- Ph.D. in biological sciences
- Excellent written and verbal communication skills
- Initiative and strong interpersonal skills
- Ability for critical and analytical thinking

All applicants must also submit a writing sample, preferably one where you are the sole author (collaborative samples also accepted in lieu of sole authorship).

For more information on the Fellows Program and an extended list of other job opportunities, please visit the website www.cato.com.

Cato Research Ltd, offers a complete salary and benefits package, and a creative, family-friendly environment in which to learn and grow. Please email your resume and cover letter to: bflood@mail.cato.com OR mail to Job AWSD, Cato Research Ltd., 200 Westpark Corporate Center, 4364 S. Alston Ave., Durham, NC 27713.

No phone calls please. EOE.

MSI INTERNATIONAL**DIRECTOR OF CHEMISTRY**

An exceptional opportunity to have an influential role in drug discovery, design and strategy, without bureaucratic impediments, in one of the most exciting and financially successful biopharmaceutical companies in town. A stellar synthetic organic chemist (or medicinal chemist) will continue expanding an already productive chemistry group. You must have a Ph.D. and 7-15 years of postgraduate experience, with much of it in the biotech/pharmaceutical industry. You should have successfully managed projects and scientists, demonstrated leadership and preferably built a group in synthetic organic chemistry, medicinal chemistry or lead optimization. Priority will be given to candidates who have managed multidisciplinary teams moving compounds into clinical evaluation. SAR experience or combinatorial/parallel synthesis experience is a plus factor.

PHD DRUG DISCOVERY CHEMIST

A first-class biopharmaceutical company, which integrates structural, functional, and computational information to predict, then *create*, novel drugs, is cutting the drug discovery time. *Make a difference*. Be part of a team that develops innovative and effective drugs. PhD's with strong training in synthetic organic chemistry, medicinal chemistry, or natural product synthesis will be considered at 0-5+ years of experience. Now is an ideal time to carve out your niche because the medicinal and combinatorial chemistry groups are currently being formed. Great science and good business mean a great future.

BS/MS CHEMIST—Drug Discovery

Want to be a real contributor designing innovative and effective drugs which make a difference? Are you a BS/MS level chemist with good training in synthetic organic, medicinal, and/or combinatorial chemistry? A first-class biopharmaceutical company which integrates structural, functional, and computational information to predict, then *create*, novel drugs is cutting the drug discovery time. Be part of a team that wins. You must have lab experience in academia or industry, preferably involved with complex synthesis of organic, drug-like compounds or natural products.

VP of CHEMISTRY (Bay Area)

A growing pharmaceutical company is seeking a Vice President, Chemistry with high intellectual and creative capacity to provide leadership in developing and executing chemistry discovery and development activities. You will participate in strategic planning at the corporate level and will have regular interaction with counterpart senior managers and with the CEO. A PhD in chemistry with a minimum of 10 years of progressive achievement advancing drug candidates to clinical evaluation in the pharmaceutical industry is required. Excellent communication skills and executive impact coupled with strong analytical ability are desired. Must have proven leadership and mentoring skills.

CFO/CONTROLLER

As the CFO/Controller you will be responsible for managing the accounting and internal financial functions of the Company. You will be interfacing with the President, other members of the executive team, and group leaders to develop budgetary controls and performance measures. You will have active involvement in Licensing, valuation of IP, real products, and assessing markets for the company to maximize. A degree in Accounting/Finance with 5

Job Opportunities (continued from previous page)

or more years experience in planning, forecasting, financial modeling and treasury in a biotechnology company is a must. Solid GAAP understanding and experience with systems management is required. Success in financings and deal valuations and a proven track record as a leader are ideal.

CLINICAL RESEARCH DIRECTOR

An experienced cardiologist will be responsible for managing the direction, planning, execution, and interpretation of clinical trials and resultant data management activities, including interactions with current and potential partners with limited direct supervision. An MD or equivalent with experience in conducting cardiovascular trials is required. A minimum of seven (7) years related experience in the pharmaceutical and/or biotechnology industry with previous management or project experience and knowledge of regulatory requirements is a must.

DIRECTOR OF CORPORATE DEVELOPMENT

A great opportunity to work across multiple business units within the Life Sciences industry and direct the development and implementation of the company's business strategy. You must have a Life Sciences degree (MBA degree preferred) combined with a minimum of five years experience in the biotechnology industry. A strong understanding of the life science market and sufficient technological ability to screen and evaluate opportunities in, and related to, the genomics industry is required. General knowledge of business processes and basic ability to understand financials is a plus.

REGULATORY PROJECT MANAGER

This is an exciting opportunity to work with a leading company doing clinical research. You will train under the guidance of a great mentor. As a strategic minded regulatory professional, you will have the lead role in regulatory projects including the preparation and submission of product license applications (NDAs, BLAs, NDSs, etc...) and INDs. An advanced degree or diploma in a health related discipline plus thorough knowledge of FDA regulations is required. You must have a minimum of three years experience in Regulatory Affairs dealing with the preparation and review of regulatory submissions. RAC certification and international experience would be ideal.

VP OF REGULATORY AFFAIRS

Are you committed to getting successful regulatory approval of innovative therapeutic products? Our client is a leading pharmaceutical company with a strong global presence. Their therapeutics will improve the quality of life for patients suffering from blood disorders, cancer and infectious diseases. They are looking to bring aboard a charismatic, senior-level regulatory executive to lead, expand and direct the regulatory department. The successful candidate will be responsible for defining and executing regulatory strategy and worldwide regulatory affairs. A significant track record of accomplishments with approvals in IND's, NDAs as well as success in regulatory therapeutic approval is a must. PhD degree preferred, but not required. Must have a minimum of 15 years of regulatory affairs experience in the pharmaceutical industry and have strong rapport with domestic regulatory agencies.

REGULATORY AFFAIRS SCIENTIST

Diagnostics are the KEY to the new door of personalized medicine. This is your chance as an RA Scientist to expand your expertise with a leading diagnostic company. You will lead investigations of product deviations, failures or changes and conduct/process new

qualification programs. You also can plan, conduct, evaluate, and propose projects to review, as well as upgrade or establish new control systems for diagnostic products. A degree in microbiology or related field plus a minimum of four years industry experience, including industrial medical products (Class II, III, PMA, or PLA) are required. Experience with HIV IVDs and CBER manufacturing are a plus. Excellent oral and written communication with strong computer skills are needed.

SR PRODUCT MANAGER

Ready to take the lead in the management and financial success of products treating GI, GU and rheumatoid diseases? This senior level product manager will help shape physician views on product utilization, interface with key thought leaders, and develop core advocates to support products in off label uses. The appropriate candidate will have had success in established markets or with late life cycle products. One must have a BA degree (MBA degree desirable but not required) with one to three years product management experience in GI, GU or Rheumatology. Candidate must also have strong verbal and written communication skills for delivering effective presentations.

DIRECTOR / SR. DIRECTOR / VP OF INTELLECTUAL PROPERTY

Are you ready to handle the intellectual portfolio of one of San Diego's most dynamic and well-respected biopharmaceutical companies? Cutting-edge, innovative science combined with smart business management has resulted in a company that is well financed, well partnered and has strong revenue growth. This is an excellent opportunity to expand your IP expertise contributing to negotiations and legal strategies for licensing, research and other business endeavors. To be considered, you must be very current & strong on the strategic aspects of patent activity in the biomedical field. You will supervise the drafting and prosecution of patents by talented in-house IP professionals. You also must be strong scientifically & able to review scientific papers, press releases, and help position the company to maximize the patent portfolio. The position requires at least 4 years of experience in all aspects of U.S. and foreign IP law relating to biotechnology. The position requires a JD degree, admission to practice before a state bar and USPTO certification.

Posting Jobs in the AWIS newsletter or on the website (<http://awis.npaci.edu/html/jobs.html>): Contact Elaine Weidenhammer at eweiden@hotmail.com, or AWIS voicemail: 619-687-5580, or AWIS PO Box: 178096, San Diego, CA 92177-8096 for the details. Deadline for the newsletter inclusion in the next AWIS newsletter is December 7, 2001. If submitting by snail mail, include the words ATTN: Elaine Weidenhammer on the bottom left corner of the envelope.

Moving? Address Change?
Please notify us of your new address so you won't miss our mailings! E-mail **Susan Jennings** at: sdawis@san.rr.com, phone the AWIS voicemail: (619) 687-5580, or mail changes to AWIS - San Diego, PO Box 178096, 92177-8096.

Subscribe to the Free AWIS E-mail List

The AWIS e-mail list will keep you up-to-date with news of job opportunities, AWIS news and events (between newsletters.) To subscribe, please send e-mail to sdawis@san.rr.com. Include your full name, address, and phone number.

IMPORTANT INFORMATION ABOUT



San Diego Chapter

Voice Mail: (619) 687-5580
 Website: <http://awis.npaci.edu>
 E-mail: sdawis@san.rr.com
 Mail: AWIS, San Diego Chapter
 PO Box 178096
 San Diego, CA 92177-8096

National Chapter

Telephone: (202) 326-8940
 Web Site: <http://awis.org>
 E-mail: awis@awis.org
 Mail: AWIS National
 1200 New York Avenue, NW, Suite 650
 Washington, DC 20005

Inside this Issue	Page
AWIS 2002 Spring Gala Casino Night!	1
AWIS September 2001 Event	1
Technology Profile: San Diego Supercomputer Center	1
Leadership Profile: Francine Berman	2
Book Review	2
AWIS member serves as Congressional Fellow	3
AWIS Members "On the Move..."	3-4
New Members	4
AWIS Open House	4
Sharon Chertf Recognized for Service to AWIS-SD	4
Job Opportunities	4-6
AWIS Chapter Contact Information	7

IMPORTANT CONTACTS

<u>Committee</u>	<u>Contact</u>	<u>Email address</u>
Book Club	Tobey Tam	tobey_tam@yahoo.com
Events	Marcelle Vogel	marcellevogel@usa.net
Membership	Susan Jennings	sdawis@san.rr.com
Newsletter	Barbara Armstrong	baawis@nethere.com
Outreach	Anna-Maria Hays	haysam@scripps.edu
Publicity	Elaine Weidenhammer	eweiden@hotmail.com

<u>AWIS Board</u>	<u>Name/ E-mail address</u>
President	Dr. Elaine Weidenhammer eweiden@hotmail.com
Vice President	Linette Edison edisonlj@home.com
Treasurer	Dr. Kathy Ogilvie myersogilvie@home.com
Historian	Dr. Melissa Fitzgerald mfitzgeraldca@yahoo.com
Member at Large	Dr. Cathleen Davies cdavies@mcc.miracosta.cc.ca.us
Member at Large	Dr. Kim Barrett kbarrett@ucsd.edu
Sergeant at Arms	Dr. Barbara Coleman bcoleman@n2.net

<u>Advisors</u>	
Bylaws	Denise Hickey dhickey@collateralthx.com

About the AWIS Newsletter

The AWIS Newsletter is published bimonthly and provides AWIS members and supporters with information on chapter activities, career development, and issues related to women in science. The newsletter is free to AWIS members. Subscription rate for non-members is \$20 a year.

November/December Newsletter staff:

Tobey Tam Janice Payne
 Cathy Manner Barbara Armstrong Joanne Mullen
 Send news items, comments, and subscription requests to Barbara Armstrong via e-mail: baawis@nethere.com; or AWIS, PO Box 178096, San Diego, CA 92177-8096. If you would like your article included in the next issue, the deadline for inclusion is December 7, 2001.