



"You gain strength, experience and confidence by every experience where you really look fear in the face . . . You must do the thing you cannot do."

-Eleanor Roosevelt

WANTED: SUMMER INTERNS

Viagene has five intern positions available. These are paid internships not to exceed 4 months working a minimum of 20 hours and a maximum of 40 hours a week. Contact Lori Watson @ (619) 452-1288 if you meet the following requirements: interested in assisting research scientists in the lab, performing analysis work, currently completing your B.S. in a biological science field, and have a basic understanding of cell biology then .

LA JOLLA HIGH SCHOOL SENIOR WINS TOP WESTINGHOUSE PRIZE

Irene Ann Chen, a 17 year old senior at La Jolla High School won first place out of 1,667 other high school seniors in the 1995 Westinghouse Science Talent Search. She plans to use her \$40,000 college scholarship award next fall to attend Harvard University. Irene has been involved in biomedical research since she was 14. Her winning project was on the expression and function of two genes isolated from a lymphoma cancer-cell line.

WOMEN IN BIOSCIENCE II

On May 6, at the UCSD International Relations and Pacific Studies Center, AWIS sponsored the second Women in Bioscience: Envisioning the Future Conference. It was a huge success, not to mention sold out. AWIS would like to thank the following groups who worked cooperatively to make the conference successful: CONNECT, National AWIS, International Society of Pharmaceutical Engineers, the Graduate Women in Science, and the grant from National Science Foundation. A special thanks to all the sponsors:

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For anyone interested in joining the Organizing Committee for the next Women in Bioscience Conference, please write AWIS, Attn: Csilla Fenczik, San Diego, P.O. Box 178096, San Diego, CA 92177 or leave a message with your name and address at (619) 587-5580.

CHIRON THERAPEUTICS TO FUND DEVELOPMENT OF ONCOLOGY TRAINEESHIP PROGRAM

Chiron Therapeutics, of Emeryville, CA, will provide a \$10,000 grant to develop a new Oncology Traineeship Program through the ASHP Research and Education Foundation. Anyone interested in serving on a development committee for the traineeship may send a letter to the Foundation indicating their interest in the "Oncology Traineeship." Please include a curriculum vitae. Contact: Rebecca Wilfinger (301) 657-3000 Ext. 224.

AWIS GENERAL MEETING

The AWIS General Meeting for January was held at Alliance Pharmaceutical Corp., and featured a presentation by Gwen Rosenberg, Director of Corporate Communications at Alliance. Undaunted by torrential winter rainstorm that evening, attendees were treated to both an informative and humorous get-acquainted tour of Alliance by Gwen.

Participants were guided through an overview of the developmental rationale for three of Alliance's key perfluorochemical-based products currently under investigation: *Oxygent*TM, *LiquiVent*TM, and *Imagent*®US. The *Oxygent* product is being developed as a temporary oxygen carrier for possible use as an adjunct to autologous blood transfusion techniques for surgical patients. *LiquiVent* is being evaluated for use as an agent for facilitating breathing of patients experiencing respiratory distress syndrome, while the development of *ImagentUS* focuses on its potential use as a medical diagnostic ultrasound contrast agent. Throughout her presentation as well as afterwards, Gwen answered many questions from the audience with regard to both the science and the business of developing such products. AWIS thanks Gwen Rosenberg for the tour and presentation.

AWIS OUTREACH PROGRAM MENTORING MEETING

On Saturday, March 4, the first of five 1995 AWIS Outreach Program Mentoring Meetings was held at Scripps Clinic and featured four local experts who had volunteered their time to share their views on obtaining funding for either entrepreneurial or research endeavors. The experts included Dr. Tina Nova, President of Nanogen Incorporated (a local biotechnology company); Ms. Laurie Hannis, from the Small Business Administration; Dr. Sandi Schmid from The Scripps Research Institute; and Dr. Sue Bodine-Fowler from UCSD. Each expert had an opportunity to address the attendees (in the form of a roundtable discussion) about their background and meeting topic-related expertise, as well as to answer questions from the participants throughout the meeting. Dr. Nova shared her extensive expertise in the area of managing venture capitalists to acquire funds for start-up biotechnology companies, while Ms. Hannis provided significant information regarding how to obtain loans for women who are starting their own business (e.g., consulting, manufacturing, etc.). Drs. Schmid and Bodine-Fowler contributed valuable information about obtaining grant funding from the perspective of successfully having done so to support their own respective laboratories.

For more information on these programs please call Diana Martini at (619) 558-5365.



DO YOU HAVE ANY ARTICLES FOR THE AWIS NEWSLETTER?

Send your articles to be included in upcoming AWIS Newsletters:

Sharon Cherf
1938 Duke St
Chula Vista, CA 91913-2706
(619) 656-1279

BIOMEDICAL ENGINEERING HAS NEW WWW HOME PAGE

Biomedical engineers and others interested in the field now have a new home base on the Internet. BMEnet offers a selection of excellent information resources for anyone interested in the combination of engineering, medicine and science. It is designed for one-stop-shopping on the topic of biomedical engineering.

BMEnet is linked directly to key databases of the US Patent and Trademark Office, National Institutes of Health, NSF, IEEE, the National Technology Transfer Center, and other databases. BMEnet is available on the WWW, Gopher and e-mail. The e-mail option differs from a listserv in that you can subscribe to a specific area of interest--jobs, for example---instead of receiving all postings.

Users can access the Annals of Biomedical Engineering, the Journal of NIH Research, Electrical Engineering Times, and similar electronic publications. One resource describes virtually every biomedical engineering program in the United States and whom to contact for details. There are also links to most U.S. universities, their WWW home pages and their telephone books, which can be searched by keywords.

BMEnet includes original material as well as gateways to other information providers.

WWW address:

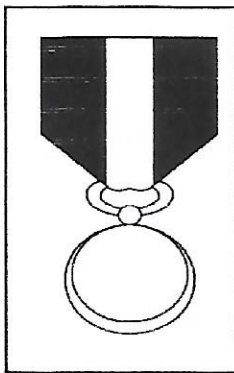
<http://bme.ecn.purdue.edu/bme>

Gopher address:

<gopher://fairway.ecn.purdue.edu>

e-mail address:

whitaker@ecn.purdue.edu



THE 9TH ANNUAL AWARDS FOR THE GREATER SAN DIEGO SCIENCE & ENGINEERING FAIR

Congratulations to the four young women chosen to receive this year's AWIS Greater San Diego Science Fair Awards.

Keep up the excellent work!

JUNIOR HIGH

Bridget Burke, *"Effect of Fertilizers on Plants"*
Emerald Middle School

Shelby Quinian, *"Which Attracts Bees Most: Color, Fragrance or Taste?"* St. Francis School

SENIOR HIGH

Elizabeth Brennon, *"Modification of Insecticides Found in Oil of Clove"* Mt Miguel High School

Irene Kan, *"Protective Effects of Antioxidants Against Nicotine"* La Jolla High School

GRANT-IN-AID AWARD

To encourage development of well-defined research proposals by independent beginning investigators and by more experienced investigators who have not yet attained a senior position

- 3-year project support for persons with MD, PhD, DO or equivalent qualifications who are on staff of nonprofit institutions at the time of activation
- U.S. citizen
- \$40,000 yearly maximum plus 10% indirect costs.

Application receipt deadline: July 1, 1995

Information is available via Internet at the AHA gopher (gopher.amhrt.org) under National Center Research Program. For further information contact the Division of Research Administration, National Center at: Tel. 214-706-1453 Fax 214-706-1341. All awards will activate July 1, 1996. Participation by women and minority candidates is encouraged.

HIGH SCHOOL OUTREACH COMMITTEE

Gloria Friedgen, an AP Biology teacher at La Jolla Country Day School, suggested that there is a need to give motivational talks to teachers about science education and the need to change to an inquiry based program which will give students a greater hands-on science experience. HSOC is planning in August to give workshops to teachers about how to change to a hands-on program by presenting one or two examples of hands-on experiments. If you have any ideas for hands-on and "the idea that science is all around us" experiments call Barbara at 483-6285.

CONTINUED FROM MARCH/APRIL AWIS NEWSLETTER

HUNTING FOR JOBS ELECTRONICALLY ON INTERNET

- Online Career Center - WWW address: <http://www.iquest.net/occ/> Gopher address: <gopher.msen.com>
- Young Scientists' Network - WWW address: <http://snorri.chem.washington.edu/ysnarchive/index.html> Email address: ysnadm@crow-t-robot.stanford.edu

MENTORING RESOURCES AND PROGRAMS FOR WOMEN

- Journal of Women & Minorities in Science & Engineering - Contact: Kathy Wager (703) 231-6296
- Univ. of Michigan, Duluth, College of Science & Engineering - Contact Janny Walker (218) 726-7585

AVAILABLE GRADUATE FELLOWSHIP PROGRAMS

- NSF Graduate Fellowships, National Research Council (202) 334-2872 - Awarded to women, minorities, the disabled and others interested in working on a master's or doctoral degree. \$14,000 per year
- Graduate Research Program for Women, AT&T Bell Laboratories, Room 1E-209, 101 Crawfords Corner Rd., Holmdel, NY 07733-3030 - Provides financial support for outstanding women students who are pursuing full-time doctoral studies. Full tuition, annual stipend of \$13,200, books, fees, and related travel expenses. Also available are \$1,500 grants.

About the AWIS Newsletter

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

Sharon Cherf Editor
Csilla Fenczik Assistant Editor

Send news items and suggestions by **June 30, 1995** to AWIS San Diego, Attn: Newsletter, P.O. Box 178096, San Diego, CA 92177-8096; (619) 687-5580.

"Those of us who refuse to risk and grow get swallowed up by life."

-Patty Hansen