

AES NEWSLETTER

Electrophoresis: Beyond Genomics is ... On The Map!

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Many thanks to our Corporate Sponsors kicking off the sponsorship drive for the 2003 meeting by pledging at the **Gold** level.

Amersham Biosciences **Bio-Rad Laboratories**

Our traditionally strong meetings, with sessions chaired by invited plenary speakers discussing state-of-the-art topics, would simply not be possible without funding from sponsors. These donations are greatly appreciated.



The Annual Meeting of the American Electrophoresis Society San Francisco, California November 16-20, 2003

It is not too early to start making plans to attend AES 2003 in San Francisco. The meeting promises to have something for everyone interested in electrophoresis. Discussion topics include 1-D and 2-D electrophoresis of proteins and nucleic acids, microchips and capillary electrophoresis, genomic and proteomic applications of electrophoresis, related methods, and novel electrophoretic techniques.

AES 2003 is again being held in conjunction with the Annual Meeting of the American Institute of Chemical Engineers (AIChE) in San Francisco, California. Meeting headquarters is the San Francisco Hilton Hotel and all of the AES sessions will be held there. The merging of the two meetings has worked well the past two years to cross-fertilize the mutual fields of interest and this year should be no different.

The first day of the meeting, Sunday, November 16, will feature workshops on two-dimensional polyacrylamide gel electrophoresis, including a lecture series on new

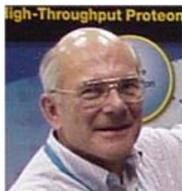
developments, a “live” 2-D PAGE demonstration by Amersham Biosciences and a workshop on image analysis and data management for 2-D PAGE by Bio-Rad Laboratories. Formal presentations begin on Monday, November 17, with two sessions on Bioinformatics in Functional Genomics and a session on the Principles and Practice of Applied Electrokinetics. Poster presentations also begin on Monday the 17th and the posters will remain on display through Tuesday the 18th. Day Three, Tuesday, November 18, brings sessions on New Applications and Technologies in Proteomics. Wednesday, November 19, Day Four of the meeting has scheduled sessions covering New Tools, Techniques and Protocols for Genomics and Proteomics and also Emerging Technologies in Electrokinetic Separations. An Open Forum Question and Answer Session closes out Day Four. The meeting will end at about lunchtime on Thursday, November 20, following a final session on Industrial Applications of Electrokinetic Technologies. As always, the key manufacturers of supplies for electrophoresis will have their products on display in the Exhibits Hall.

Session Chairs have completed their difficult tasks of selecting speakers from among the many outstanding proposals that were submitted. The result is a high-level scientific program that you won't want to miss.

The conference banquet will be held at The Empress of China Restaurant where you will experience some of the flavor (pun intended) of San Francisco's famous Chinatown. The banquet speaker will entertain you with some unusual tidbits of information about San Francisco's special history.

Information about the meeting can be found on AICHE's web site at: www.aiche.org/conferences/annual/topical. Look under *Topical Sessions T2: Bioinformatics and Functional Genomics Topical Conference*, and *T3: Annual Meeting of the American Electrophoresis Society*. To register, go to the AES web site, www.aesociety.org and click on “Register On-line Here”.

A detailed program grid will be sent with the October newsletter.



Dave Garfin



Neil Ivory

Conference Co-Chairs for 2003

Inside info on Web Publication of ELECTROPHORESIS and PROTEOMICS

Wiley InterScience (www.interscience.wiley.com), Wiley's online content service, was launched in the fall of 1997 to respond to the growing worldwide demand for reliable and timely scientific information. Now more than 350 journals in full text dating back to January 1997, as well as the full range of services available from Wiley InterScience, are accessible to subscribers and authorized users.

ELECTROPHORESIS is now in its 24th year of publication; on-line articles currently date back to January 1999. PROTEOMICS, which started in January 2001, is completely available on-line, including all published issues.

Since launch, both journals continue to show rapid and sustainable growth with regard to contents (*i.e.*, the numbers of submitted articles, published articles, printed pages, etc.) and the usage of this information.

Wiley InterScience provides detailed usage statistics, which are used to keep track of the developments of the journals. The editorial teams use these statistics to develop and enhance the quality of the journal's contents. In the calendar year 2002 over 500,000 full text article downloads were recorded for ELECTROPHORESIS. With this level of activity it was number 5 in our annual ranking of all the 350 Wiley journals available through Wiley InterScience. PROTEOMICS totalled 320,000 full text downloads in the same year, and reached rank 20 of all Wiley journals. These figures are impressive, even more taking into account that PROTEOMICS only started in 2001.

On-line publication of PROTEOMICS also includes enhanced services to its authors. Starting in 2002, the journal offers on-line manuscript submission, including a web-based peer reviewing system through MS Central (the URL of the manuscript submission site is: <http://proteomics-wiley-vch.manuscriptcentral.com/>). The acceptance of this service is exceptionally high; almost all newly submitted manuscripts are now coming in through this channel. Introducing this electronic tool has speeded up the peer review process considerably. On average it now takes only slightly more than a month after submission of a manuscript to reach a first editorial decision (*i.e.*, accept/reject/revise).

An additional feature of PROTEOMICS is the immediate on-line publication of the fully citeable abstracts of accepted manuscripts prior to editing. The full-text follows within a short time period as fully paginated and edited PDF files. Last but not least, supplementary material (*e.g.*, extensive tables or other additional material) is also available online and is freely accessible for both non-subscribers as well as subscribers. These features will be rolled out to

ELECTROPHORESIS within the following months.

Starting in May this year yet another service in Wiley InterScience was launched: "Pay-Per-View," opening up access to its quality electronic journal and book material to all individuals who previously didn't have access to the full range of the service's scientific, technical, medical and professional content. Offering instant access via a secure credit card transaction, the service can be utilized from any web-enabled computer – allowing users to access content from work, home and on the road.

Of course, in order to keep pace with the needs of the global research community Wiley InterScience will be continuously improved and further features will be added, thus ensuring maximum navigation and functionality of its content.



Achim Kraus
Senior Publishing Editor
Wiley-VCH (Weinheim, Germany)

Notes from the Council Meeting of ICES 2003

Representatives of several of the organizations comprising the International Council of Electrophoresis Societies (ICES) met in Glasgow, Scotland, on May 23rd during ICES 2003, the biennial conference of the group.

The International Council of Electrophoresis Societies (ICES) is a loose confederation of national electrophoresis societies with no dues and no secretariat. The main purpose of ICES is to organize an international meeting every two years. The President of ICES is the convener of the next international meeting and the host society is responsible for communication with the other national societies and the general research community.

ICES Meetings are held in odd-numbered years at differing locations worldwide. The content and format of each meeting is under the jurisdiction of the host society. ICES 2005 will be held in Australia. Present plans call for ICES 2005 to be in Adelaide, Australia, September 23-25, 2005, in conjunction with COMBIO 2005, the biennial Australian national biochemistry meeting. However, the proposed dates for ICES 2005 are in potential conflict with both the biennial Munich Proteomics meet-

ing and an Asia-Pacific HUPO Meeting and are subject to change.

Societies represented at this council meeting were from Austria, Australia, France, Germany, Japan, Scandinavia, and United Kingdom, as well as AES. China and Korea could not send representatives because of travel restrictions. David Garfin and Erich Gombocz represented AES. President Nancy Kendrick could not attend, but recognized the need to send two people to carry out her role at the council meeting

As is AES, electrophoresis societies around the world are struggling to define themselves. Most have opted to incorporate the latest hot topic of proteomics into their names and charters. For example, the Australian Electrophoresis Society is now the Australian Electrophoresis and Proteomics Society, and the German Electrophoresis Society is now calling itself the Deutsche Gesellschaft für Proteomforschung. The Scandinavian Electrophoresis Society reinvented itself in an entirely different way and is now the Nordic Society for Separation Science (NoSSS).

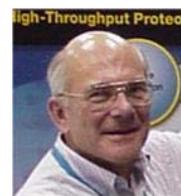
The ICES Council members – a decidedly biased group – agreed that future ICES meetings should retain as their themes the uses of electrophoresis in separations and applications regardless of prevailing trends. The Council agreed that future ICES meetings should retain a general format that emphasizes the role of electrophoresis in the biological sciences and includes applications to other fields. Nevertheless, the content and organization of ICES meeting remain at the discretion of the host society.

Given current interest in electrophoretic separations, the Australian ICES 2005 meeting promises to be very informational and educational. If this meeting is held in conjunction with COMBIO 2005, the combination will be a first-rate scientific event.

Current planning has ICES 2007 being held in China and ICES 2009 to be organized by the NoSSS in a Scandinavian country.



Erich Gombocz



Dave Garfin

AES representatives to ICES 2003

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ELECTROPHORESIS
PAST, PRESENT
AND FUTURE

Announcements:

Two Councilors will be elected at the November meeting based on results of October email balloting.

The terms of our councilors Feng Wang from Proctor & Gamble Pharmaceuticals and Cynthia Blessem from Beckman Coulter Inc. will expire this year. They have done a fine job since the year 2000 – thank you!

Feng Wang



Cynthia Blessem



The 3-year position of AES Councilor doesn't take a lot of time but never-the-less is quite important to the Society. The Council, which includes the President, Past President, Secretary and Treasurer, as well as six Councilors meets formally in person at the annual meeting, and throughout the year by email. Important issues are discussed by the council as they arise. After full consideration a vote is taken and a course of action implemented. It's also an opportunity to interact with a dynamic and intellectual group. Please notify Frank Witzmann (fwitzman@iupui.edu) or Nancy Kendrick (nancy@kendricklabs.com) by email if you wish to nominate a member or run yourself for AES Council. Please attach a biographical sketch to the message suitable for an email ballot. Photos are welcome.

See You in November!
Nancy Kendrick,
President



Technical Tips:

Tech Tip 1. Web site for Searching Protein Databases by pl and MW:

If you don't have enough material to identify an unknown protein by mass spectrometry, but know the MW and pI from 2D electrophoresis, try checking online databases at <http://us.expasy.org/tools/tagident.html>. This free ExpASY link allows the visitor to enter MW and pI, species information and a keyword such as mitochondria and then search Swiss-Prot/TrEMBL or Swiss-2DPAGE for matches. Remember though, that pI is not a constant like MW, and will vary with conditions of isoelectric focusing. Identifications from this site are possibilities, not certainties. (Submitted by Kendrick Labs, Inc.)

Tech Tip #2. Resuspending precipitated proteins using a mini pestle:

Resuspending precipitated protein can often be difficult. A mini pestle can be used to help disrupt the pellet, thus increase the surface area for the denaturing buffer to act on. If this does not alleviate the problem, the sample can be frozen overnight after the mini pestle step. It is still important to spin the sample before loading, in order to remove any unsolubilized material that maybe present. (Submitted by Phil Beckett and Nancy Laird from Amersham Biosciences.)

CASS, the California Separation Society, has donated **\$500 for student travel funds** to the 2003 meeting in San Francisco. Please email Joan Stevenson for an application for student funding.



ICES Meeting, Glasgow Scotland, May 2003.