

THE HISTOCHEMICAL SOCIETY



NEWSLETTER

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IN THIS ISSUE:

Column from the President

Report from the Future Directions Committee

Minutes of the Annual Business Meeting

Report on Santa Fe Meeting

Visit the Journal on-line at www.jhc.org



Visit the Society home page at: www.histochemicalsociety.org

P R E S I D E N T I A L C O L U M N

Dear Colleagues,

Important things are happening in the Histochemical Society! These include: 1) 2002 meeting planning; 2) society strategic planning and 3) creation of a histochemical and cytochemical knowledge base.



The next meeting will be the 6th Joint meeting of the Japan Society for Histochemistry and Cytochemistry and the Histochemical Society in Seattle July 18-21, 2002. Bob Osamura and I are working hard to make this the strongest scientific meeting yet. Tom Reese from NINDS will give the Histochemical Society Presidential Lecture entitled "Architecture of the Postsynaptic Density". Symposia topics and organizers include:

- Cytoskeletal Dynamics and Path Finding of Neuronal Growth Cones - Jim Bamburg, Colorado State University
- Adult Stem Cells: Origins and Differentiation - Zipora Yablonka-Reuveni, University of Washington
- Apoptosis and Cytochemical Detection - Mark Willingham, Wake Forest Medical School
- Apoptosis in Health and Disease - Kevin Roth, Washington University
- Ultra-sensitive Fluorescence Approaches to Distinguishing Targets in Cells, Dick Haugland and Joseph Beechem, Molecular Probes
- Uses of Gold Particles: Localization in Tissues and Cells, James Hainfeld, NanoProbes

There will be two jointly sponsored symposia:

- Immunohistochemistry and Therapeutic Indicators in Breast Cancer: HER2/neu, and Estrogen Receptor, Allen Gown, PhenoPath, and Hironobu Sasano, Tohoku University
- Histochemistry Advances in Diagnostic Pathology, Ron Van Noorden, University of Amsterdam, and Norimichi Nemoto, Nihon University.

The list of Japan Society Symposia will be

available soon on the HCS website. So mark your calendars for next summer July 18-21, 2002 for a scientifically stimulating meeting that will include exciting social events.

The Histochemical Society is preparing for the strategic planning process. Following the leadership of the Council, I have begun this important exercise. The first step will be to do a SWOT analysis of the Histochemical Society. SWOT stands for Strengths, Weakness, Opportunities and Threats. We will gather this information from members, which will serve as a foundation for the strategic planning process. The Council and Officers will then meet some time this fall with a facilitator to develop a strategic plan. Anyone interested in participating in the planning process should email me as soon as possible (burry.1@osu.edu). I would like to have broad representation in this process. Other scientific societies such as ours have greatly benefited from this exercise, and they have found new enthusiasm and growth.

Hinke Mulhaupt, a Council Member, has begun a much needed new project for the Histochemical Society, the Histochemical and Cytochemical Data Base. You can find this on the HCS home page (<http://www.histochemicalsociety.org/>), on the left under Publications is Knowledge Base. The goal is to have a resource for people to ask questions and find protocols for histochemical and cytochemical methods. This is a major outreach for our society and is an opportunity to showcase our strengths. Hinke will tap some of the vast resources in our society members and ask them to contribute to the knowledge base.

All the best,
Dick Burry
President

HISTOCHEMICAL SOCIETY

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FUTURE DIRECTIONS COMMITTEE REPORT

Plans are well underway for our 2003 meeting, thanks to the efforts of Beth Unger, currently our President-Elect. We have been invited by the American Association of Anatomists to be a Guest Society at Experimental Biology 2003, the large FASEB meeting. The meeting will be held at the Convention Center in San Diego, 12-16 April 2003. Beth is already lining up keynote speakers and other events that will make the Histochemical Society stand out at this outstanding meeting of several scientific societies.

The Histochemical Society will host the quadrennial International Congress of Histochemistry and Cytochemistry in 2004. John Couchman, our President-Elect-Designate, will preside over this meeting that will attract scientists from all over the world. The conference will be held on the campus of University of California, San Diego. You may recall that this was the venue for our Joint Meeting with the Japan Society in 1998. It is an ideal site for a meeting of this size. The location is beautiful, the accommodations are comfortable and inexpensive. We will keep you posted as this exciting meeting takes form.

The Future Directions Committee is considering a Joint Meeting with the Dutch Histochemical Society in 2005. One possible scenario is to meet near Amsterdam in the spring, right in the middle of the tulip blooming season! Another thing that makes this location attractive is that due to the vagaries of air fares, it is often less expensive to fly to Schiphol than to fly from coast to coast in the States. We are looking forward to the possibility of this Joint Meeting.

We are anticipating that in 2006 we will have our 7th Joint Meeting with the Japan Society for Histochemistry and Cytochemistry, but we do not have any details yet. Looking out from there, the Future Directions Committee has a completely open mind. We welcome suggestions from you. If you have any ideas for a stimulating meeting in 2007 or beyond, please contact Stephen Carmichael at stephen@mayo.edu. We hope to hear from you.

—**Stephen Carmichael**
Chair, Future Directions Committee

Upcoming Meetings of The Histochemical Society

<u>DATE</u>	<u>LOCATION</u>	
July 18-21, 2002	University of Washington Campus Seattle, Washington Organizers: Richard Burry and Bob Osamura	Joint with the Japan Society for Histochemistry and Cytochemistry
April 12-16, 2003	San Diego, California EB2003 (FASEB) Organizer: Elizabeth Unger	Joint with American Association of Anatomists
July 24-30, 2004	University of California San Diego Campus, La Jolla, California (IHC 2004) Organizer: John Couchman	Joint with International Congress of Histochemistry and Cytochemistry

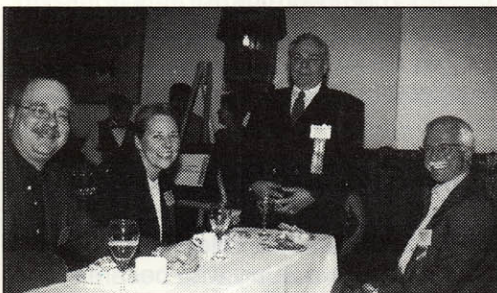
Contact: Dr. W.L. Stahl at : wlstahl@u.washington.edu or
www.histochemicalsociety.org.

Monday, February 4, 2001, La Fonda Hotel, La Fiesta Room, Santa Fe, New Mexico

The meeting convened at 1:03 PM.

1. Call to Order and President's Report.

President Gwen Childs called the business meeting to order and reported that the present meeting was very successful with attendance of 130 as of today. Approximately 80 people are expected at the banquet. The hands-on workshops have been well attended and



Eldon Jupe, Megan Lerner,
Larry Debault and Dan Brackett

very successful. Most registrants have or will participate in the workshops. A question was raised about the number of persons who did not show up for their poster presentations.

The exact number was not known, but will be available later. Denis Baskin, Editor of *The Journal of Histochemistry and Cytochemistry* stated that it was intended policy that persons who submitted two-page brief reports for the Journal must present the work as a poster at the meeting.

2. Secretary's Report.

Secretary Joseph Mazurkiewicz reported that members who will be submitting to *The Journal of Histochemistry and Cytochemistry* in the coming year will be able to submit on-line with on-line review. Also a "publish ahead of print" feature will be implemented in which manuscripts accepted for publication will be quickly available electronically.

The abstracts submitted to the present meeting will be considered for publication in *The Journal of Histochemistry and Cytochemistry* as two-page brief reports subject to review and acceptance by the Journal Editorial Board.

Finally, 25 new members were accepted at this meeting.

3. Treasurer's Report.

Treasurer Couchman reported that the assets of the Society are in good shape, although return on investments for 2000 were not as successful as in the past two years due to poor performance of the stock market as a whole. Income from the Journal grew. The financial results are provisional since the financial report for 2000 has not been finalized by our accountants. The Society relies on income from the Journal and from investments.

As his last presentation as Treasurer, he thanked Blair Bowers and Bill Stahl for their support and help in his job as Treasurer.

4. Editor's Report.

Editor Denis Baskin stated that the Journal is in good

shape financially and the content is also improving. He thanked Kim Borroni for his leadership in the Journal Office and Allen Gown and Dick Burry for helping set policy and for aiding in manuscript review. Burry has helped to increase the number of review articles that the Journal publishes which helps improve the Journal's visibility in the scientific community.

Subscriptions are generally in decline and the Journal intends to do more marketing and self promotion. Manuscript flow has also slowed somewhat perhaps due to the charges for color pages. He reported that Council has recently voted to offer one free color page per manuscript with additional charges of \$200 per color page.

On-line review is now progressing and more information will appear in the next HCS newsletter. It is felt that on-line review will significantly reduce the

time between initial receipt of manuscripts and the editorial decision of acceptability for publication. "Publish ahead of print" will provide a way to get accepted manuscripts to readers on-line as soon as they are accepted. This feature is similar to what is provided by the *Journal of Biological Chemistry*.

Ulli Weier asked about the initiative of the NIH to display the content of all journals free on-line to the scientific community. Baskin replied that few journals have participated in this venture and the whole question may be moot since most journals provide their content free on-line within one year of publication. Burry commented that most journals do not want to participate in this since journal content would be controlled by Pub Med Central on their server. This is a fundamental issue and the overall question is very complicated.

5. Election Results, Awards and New Members.

Executive Director William Stahl stated that the results of the election were as follows:

President Elect Designate: John Couchman

(becomes President Elect at the business meeting next year and will be president for the joint meeting with International Congress of Histochemistry and Cytochemistry in 2004);

Treasurer: Kevin Roth (2001-2004);

Councilor: Charles Frevert (2001-2005).

Awards for this meeting will be presented at the banquet this evening.

New Members accepted for membership by the Council were: Yalai Bai, Waltraud Beil, Francois Bradley, Wing C. Chan, Kumarasen Cooper, Richard N. Eisen, Andrew Fedanov, Jo-Ming Feng, Jorge R. Lugo, Iris McDuffie,



Denis Baskin and Kim Borroni

Christine A. Mech, Kelley J. Murphy, Seppo Parkkila, Arie Perry, Nalina Rajamannan, Jose A. Ramos, Nancy M. Sawtell, Ying Shen, Mark E. Sherman, Peter Shintauku, Chang Ho Song, Margaret Springett, Susan E. Wert, Jason D. White, and Charles L. White.

6. Future Directions Report.

Chair Stephen Carmichael recognized Ellen Rasch on her attendance at her 50th annual meeting of the Histochemical Society.



Dan Friend and Jim Hainfield

Year 2002 Meeting. (July 18-21, Seattle, WA). This will be joint with the Japan Society for Histochemistry and Cytochemistry. The plans for this meeting are well in place and will be reported in detail on the HCS webpage, the HCS

newsletter and in flyers to be sent in the coming months. Dick Burry will co-chair this meeting with Robert Osamura. A social highlight of the meeting will be a banquet cruise on Puget Sound.

Year 2003 Meeting. (April 12-16, San Diego, CA). This will be jointly held with the American Association of Anatomists as EB2003 (FASEB). President-Elect Elizabeth Unger will serve as President for the 2003 meeting and will be responsible for liaison with the AAA for that meeting and for organizing the scientific contributions of the Histochemical Society.

Year 2004 meeting. Our bid to host the International Federation of Societies for Histochemistry and Cytochemistry meeting was accepted at the meeting in York in September, 2000. This will be held on the campus of the University of California, San Diego. John

Couchman has agreed to be Chair for the ICHC2004 meeting and is actively planning for that meeting.

Year 2005 meeting. A tentative joint meeting is in the planning stages for the Netherlands.

Year 2006 meeting. A joint meeting with the Japan Society for Histochemistry and Cytochemistry is possible.

Ron Van Noorden reported on the **ICHC 2000 meeting York**, which was very successful with over 100 young scientists in attendance. There were registrants from about 39 countries at the meeting. Also several societies from other countries may become members of the Federation in coming years. These may include Greece, Spain, Australia and perhaps several South American countries. Van Noorden thanked Carmichael for his work as Chair of the Future Directions Committee.

7. Introduction of New President and New Councilor.

Gwen Childs introduced Richard Burry who became President at this time. Burry thanked Childs and

commented that the present meeting was well organized with the idea that it is important for us to realize the necessity of using immunocytochemical techniques within so many fields of biology.



Past President Gwen Childs and Sinclair Dundas, Vector Award Winner

8. New Business.
None.

9. Adjournment was at 1:59 PM.

JOURNAL ANNOUNCES NEW LOW PRICES FOR COLOR PAGES

The Journal of Histochemistry and Cytochemistry has adopted new low prices for publication of color figures. Beginning with papers submitted on March 1, 2001, one full page of color figures per article will be provided at no cost to authors. Additional pages of color will cost \$200 each. Black-and-white line art and gray scale figures will continue to be published at no cost. This policy applies to color figures which are judged by the editors to be necessary and appropriate for the unambiguous reporting of new findings. Color figures that illustrate findings that could clearly be communicated in a gray scale format may be recommended for traditional black and white format. Color line art normally will not qualify for a free color page. This policy will help us maximize the amount of color pages that we can afford to print while keeping the costs to authors as low as possible. In adopting these new low color page charges, we are making it feasible for authors to publish more of their histochemical findings at lower cost (essentially free if the color is limited to one page).

The Journal of Histochemistry and Cytochemistry has long been at the forefront of biomedical publishing of high

quality color plates. We were one of the first biomedical journals to publish histochemical results with high quality color printing and we have an established reputation for excellence in this area. Today, our color printing continues to be done on very high quality paper that is optimum for color reproduction and is among the best of all biomedical journals. The color figures in our articles also appear in color on the on-line version of *The Journal of Histochemistry and Cytochemistry* (www.jhc.org), where they can be downloaded as high resolution PDF files.

Authors who are interested in submitting articles with color to *The Journal of Histochemistry and Cytochemistry* should consult our new "Guidelines for Authors" at www.jhc.org/misc/ifora.shtml for specific requirements. We ask you to contribute articles to *The Journal of Histochemistry and Cytochemistry* and to encourage your colleagues and collaborators to do the same.

—*Denis G. Baskin*

Editor-in-Chief

The Journal of Histochemistry and Cytochemistry

REPORT ON THE SANTA FE MEETING

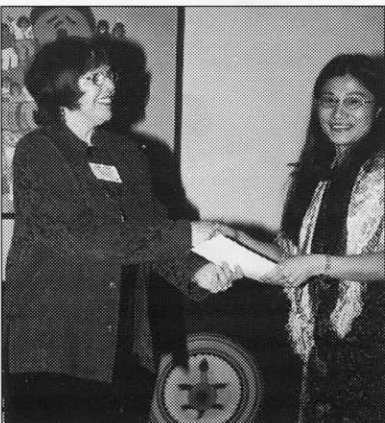


The Histochemical Society meeting, held in February 2001, in Santa Fe, NM, was highly successful as it attracted nearly 150 participants. It was unique for several reasons. It was the first joint meeting of 3 histochemistry societies in the US, including the International Society for

Applied Molecular Morphology (ISAMM) and the Society for Applied Immunohistochemistry. Three Presidents, myself, Larry DeBault, and Richard Eisen collaborated along with wonderful help and advice from our respective program committees. One of the objectives of the meeting was to highlight the strengths of our societies as well as share technology.

We presented an expanded set of workshops to help our members and guests learn cutting edge technology needed in our laboratories. We recognize as a society that we need to have some attractions for members that will benefit their research programs. While we can't compete with larger societies, we can provide opportunities for learning and sharing that will allow an investigator to retool, or interact with experts using these vital tools. We want to be sought out by young and seasoned investigators because of the educational opportunities offered at the meeting. Hence, this meeting highlighted cutting edge applications that combined molecular biology, cytochemistry, and histochemistry. We also added a new Poster section that provided opportunities for our members to share their technology, even if they have already published it. Finally, thanks to the hard work of our Editor, Denis Baskin and the Journal staff, we are publishing all poster abstracts as peer-reviewed, brief reports.

We had several platform sessions that drew invited speakers who showed wonderful examples of applications of the cutting edge technology taught in the workshops. Thus, those who wanted only the conference part, were exposed to leaders and developers in these various areas. The workshops were filled to capacity (80 participants) and an additional 50-60 came to the conference.



Past President Gwen Childs and Jingly Fung Weier, Vector Award Winner

On Sunday evening, HCS sponsored a festive Sangria and Chips Poster session which was well attended and stimulated many discussions. On Monday, the banquet was really spectacular as we were treated to native Indian dancers, flamingo dancers, and a mariachi band. More than 80 participants and their families enjoyed the food and dancing. Door prizes were given out and we presented the awards for the best posters.

Because the meeting was held in Santa Fe, NM, the participants were surrounded by wonderful artwork and

architecture. The feast of colors and symbols were a delight to this very visually oriented group of scientists. Of course, the cuisine and shopping also were wonderful and many of us brought spouses or whole families who enjoyed the city. There was time for shopping, skiing, or visiting nearby sights. The weather was sunny and made to order for us.

During the business meeting, we reflected on ways to enliven, expand and enrich the membership. We now have a formal membership committee and will be working towards ways of improving recruitment and retention. Now is the time to look at our mission and the goals and objectives of the society. The council discussed holding a planning and strategy retreat sometime in the fall and out of that may come new opportunities to educate and support our membership. Along the way, we also discussed the production of a federation of US Histochemistry societies made up of the three participating societies that would jointly sponsor future collaborative workshops. We invite our membership to write to the officers and offer their ideas or assistance in building on the society's strengths. We invite you to join one of our standing committees and participate in this growth.

I want to take this opportunity to thank Drs. Larry DeBault and Raymond Tubbs for their hard work in attracting our speakers and raising funds to support them. ISAMM

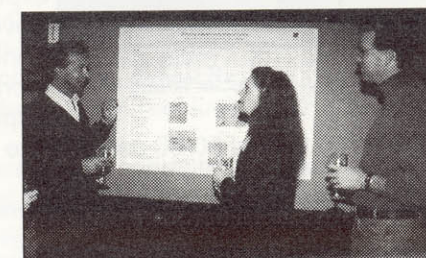
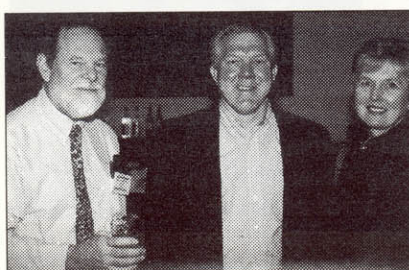
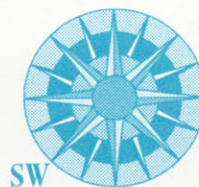
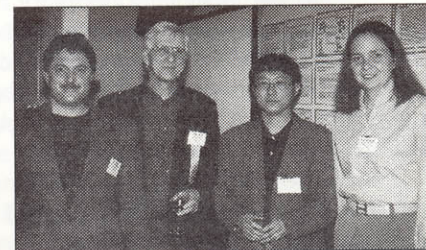
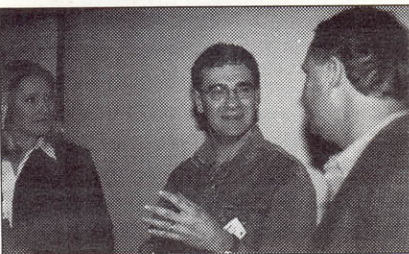
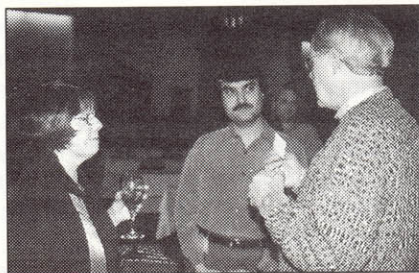
also sponsored the very entertaining banquet and did much of the leg work for the Workshops. I also thank Richard Eisen for the organization of a wonderful symposium on telepathology. I thank Stephen Carmichael for providing the Corporate Sponsors' list and great ideas from the long range planning committee. We now have updated most of the list and have some potential sponsors eager to support future meetings. I also greatly appreciate the help and support of Bill Stahl and his well organized office who kept me on track. Finally, this meeting provided the first opportunity to do some online publishing and we are grateful to Joe Mazurkiewicz and Mark Baskin, for designing the forms to collect the 2 page abstract and Denis Baskin, Editor of *J Histochemistry and Cytochemistry* and Kim Borroni, Managing Editor for their hard work on the final copies. I thank the council and committee members for several very lively meetings and wish everyone well as they plan future events. The potential for growth in this society is outstanding and I feel confident we will move in directions that promote this growth.

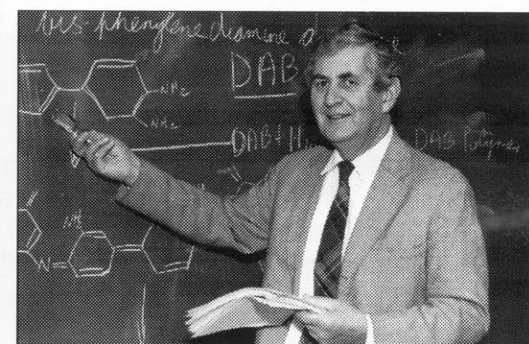
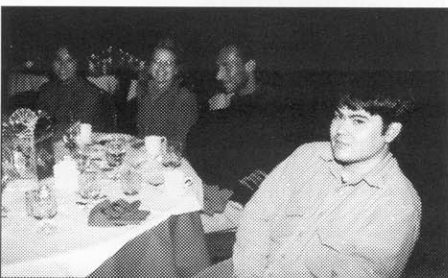
—Gwen V. Childs
Past President



Past President Gwen Childs & Jung W. Shin, Ralph Lillie Award Winner

POSTER SESSION AND RECEPTION AT THE 52ND ANNUAL MEETING





Morris J. Karnovsky received the David Glick Prize

at the 11th International Congress of Histochemistry and Cytochemistry in York, UK, September 2000.

This award is given every four years at the meeting of the International Federation of Societies for Histochemistry and Cytochemistry and recognizes outstanding contributions to the field.

Morris Karnovsky has had a long and productive career in many facets of cell biology. He developed a new technique using diaminobenzidine for detecting proteins at both the light and electron microscopic levels which is a classic and his paper is one of the most quoted in the literature of cell biology and histochemistry. This method, as well as a wide variety of other commonly used microscopic and cytochemical techniques, have established Morris Karnovsky as a major contributor to progress in cell biology. His *in vivo* studies on blood vessels using horseradish peroxidase provide valuable insight into the blood-brain barrier, blood-air barrier, location of pores in capillaries and permeability (clearance) properties of the kidney glomerulus. He helped develop techniques for demonstrating the structure of gap junctions and was one of the first to isolate, characterize and culture a cell from the mesangium of the glomerulus which showed similar properties to that of smooth muscle cells. He was influential in developing techniques for looking at leukocyte surface molecules. He and his colleagues influenced this area of membrane biology with their studies on lipids which led to the concept of lipid domains. He was one of the first to show that heparin can affect the growth properties of cells, in particular smooth muscle cells. He also showed that endothelial cells synthesize and release heparin which in turn may affect smooth muscle cell growth *in vivo*.

Morris is one of the world's preeminent endothelial and vascular cell biologists and continues to make important contributions to vascular development, proliferation and pathology.

He delivered the David Glick Prize Lecture on Friday, September 8, 2000 in a presentation entitled "A perennial fascination with the cytochemistry of reactive oxygen species: leucocytes and osteoclasts as exemplars".

**JOINT MEETING OF THE JAPAN SOCIETY FOR
HISTOCHEMISTRY AND CYTOCHEMISTRY AND THE
HISTOCHEMICAL SOCIETY,**

University of Washington campus, Seattle, Washington
July 18-21, 2002

- Thursday, July 18, 2002. Registration begins in the morning. Scientific sessions begin approximately mid-afternoon.
- Thursday evening. Welcome reception on the campus. Approximately 6-8 P.M.
- Friday, July 19, 2002. Scientific sessions and workshops.
- Saturday, July 20, 2002. Scientific sessions and workshops.
- Saturday evening. Argosy cruise/dinner on Puget Sound. Departure approximately 7 P.M. Return approximately 9:30 P.M. Transport by bus to ship and return to campus.
- Sunday, July 21, 2002. The scientific sessions will end around noon.

Information will be available and updated regularly on the Histochemical Society website at: **www.histochemicalsociety.org**. Meeting and Housing registration forms will be available at this website. Meeting information and printed forms will be mailed to members of the two societies in the Fall of 2001, but will be available on the website prior to that mailing.

THE HCS NEWSLETTER

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Membership Application

Please apply on-line at: **www.histochemicalsociety.org**

Or complete this form and return to:

The Histochemical Society

Dr. W.L. Stahl, Exec. Director

Dept. Neurology, Box 356465

University of Washington

Seattle, WA 98195

e-mail: wlstahl@u.washington.edu, FAX: (206) 764-2164



All applications must be accompanied by a curriculum vitae, including a list of publications.

Name: _____

Title: _____

Address: _____

Zip: _____

Phone: _____ Fax: _____

E-mail: _____

Major research interest: _____

Type of membership (check one):

☐ Regular ☐ Associate

(Do not include payment. You will be billed upon acceptance.)

For students applying for associate membership, please include printed name and signature of academic advisor:

RECRUITING NEW MEMBERS

Please use the application shown below for recruiting new members to the Society. Note that a by-law change has added an "associate" category which includes students. The by-law is: "Associate membership is restricted to pre- and postdoctoral students and those employed in technical positions related to histochemical research. Associate members have the right to vote, but not to hold office." The annual dues is: \$30.00 per year for regular and associate members. However, undergraduate and graduate students who are associate members receive a \$20 discount and pay \$10; their status must be certified by an academic advisor. Print subscriptions to the Journal of Histochemistry and Cytochemistry are available to members at reduced rates and members receive free access to the on-line Journal.