



HISTOCHEMICAL SOCIETY

Newsletter

Spring 2000 Volume 13, Number 1

An Official Publication of the Histochemical Society

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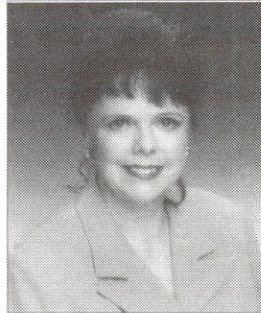
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P R E S I D E N T I A L C O L U M N

Dear Colleagues,

As we begin a new year for the Histochemical Society, I want us to stop for a moment and recognize the important role we are playing in many cell and molecular biology laboratories. During this coming year, I hope you will join me in celebrating our exciting, growing partnership with developments in molecular and cellular technology. This rapidly evolving technology continues to allow us to trace the movement of molecules and macromolecules in cells. We can show compartmentalization in membranous or subcellular domains. We can look at single cells and detect and measure their capacity to produce and secrete multiple hormones or factors, as well as receive and respond to multiple regulatory factors. We can link microarray technology with in situ detection systems. We can be proud that we are playing a critical role in the continuing evolution of many molecular and cellular biology approaches. Often our detection methods are pivotal as we identify the cells or regions before we can to answer key cell biological question.



Diagnosis and Prognosis in Cancer, the Extracellular Matrix and more!! At this meeting the International Society for Analytical and Molecular Morphology will be holding a workshop for those who want to learn more about molecular/cytochemical techniques such as in situ PCR and Laser Capture Microdissection.

Whether or not you plan to go to York, England in September, plan to join the Histochemical Society at our meeting during the week of February 3rd -10th, 2001. This year we will hold the meeting at a new venue for the Society. It also will have some different formats. The meeting will be held in partnership with two sister societies: the International Society for Analytical and Molecular Morphology and the Society for Applied Histochemistry. The meeting format will provide more workshops, poster sessions and symposia that continue to share and show the strengths in our field.

Featured topics at the 2001 meeting will be presented in hands-on workshop and symposium formats. Topics proposed include In situ PCR, Laser capture microdissection, Imaging of living cells and oxidative stress, Gene array analysis linked to in situ hybridization, Telepathology, and Rolling circle amplification for in situ hybridization and immunocytochemistry. Plenary symposium sessions will feature applications of these techniques to clinical and basic science questions. Much of this cutting edge technology will be presented in hands-on workshops at which vendors will be present as well as the experts. Lectures will be available for the novice and panel discussions/debates will be offered for those topics that are controversial. We will also invite all of you to "share your technology" in poster sessions, particularly if you have technology relevant to some of the workshops. These informal evening poster sessions will also allow you to meet the experts who are applying

This year, we will celebrate these technological advances with our sister societies all over the world. During September 3-8th, this celebration will include an exciting meeting of the International Federation of Societies for Histochemistry and Cytochemistry (in York, England). Check out this web site http://www.med.ic.ac.uk/external_ichc_2000 for more information about registration and the meeting itself. There is something for everyone at this meeting. Some of the featured topics include: Understanding Biocomplexity: The Post-Genome Challenge, Digital Image Capture and Processing, Apoptosis, Cell Signalling, Cryomethods for Immunolabeling,

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



Visit the Society home page at: www.hcs.microscopy.com

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technology that you would like to learn. Many of the vendors of the technical products and instruments will be represented, so you will have an opportunity to talk about your needs.

To make the meeting even more enjoyable, it will be held in a wonderful venue, the La Fonda hotel, in Santa Fe, New Mexico, at affordable room rates. When we were there this past February, the weather was sunny and only a light jacket was required. Santa Fe is only an hour away from Albuquerque and buses will run regularly. The famous La Fonda hotel is in the heart of the city of Santa Fe, right on the plaza and only a short distance away from shops and art museums. Its award winning pueblo style architecture is charming and the rooms are filled with paintings, photos, and other artwork. We will schedule meeting events during the morning and early evening hours to allow for some fun time in the early afternoons to explore the wonderful city. Also, the schedule is such that you can arrive and stay over a Saturday night at the front end of the meeting, or the back end. You can also plan a ski vacation with your family, since meeting rates will continue for a week.

The three Presidents of the sister societies, myself, Larry DeBault, Ph.D. and Richard Eisen, M.D. are enjoying our email and

phone interactions and planning and we will send our members more information as frequently as we have it. We hope you will plan to attend and participate.

Finally, I also want to share my new address with all of you. I have recently taken a new position as Chair of the Department of Anatomy, University of Arkansas for Medical Sciences in Little Rock. My address is:

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Professor and Chair
Department of Anatomy
4301 W. Markham
University of Arkansas for Medical
Sciences
Little Rock, AR 72212

My phone number is: (501) 686-7020; Fax number is: (501) 686-6382.
Page me at: (800) 387-4682
Email: childsgwenv@exchange.uams.edu

I look forward to any letters or comments you may have about our new adventures this year. Please join us in September and February and bring colleagues who want to learn more about exciting new technology and cutting edge applications of histochemistry and cytochemistry

—*Gwen Childs,*
President

REPORT OF THE FUTURE DIRECTIONS COMMITTEE

The Future Directions Committee has planned for our annual meetings through the year 2004. As you see in the Message from the President, Gwen Childs will be presiding over our meeting next February in Santa Fe, New Mexico. In July of 2002, Dick Burry will be our President. Dick is already working with our Japanese colleagues to plan our 6th Joint Meeting with the Japan Society for Histochemistry and Cytochemistry which will be held in Seattle, Washington. For our 2003 meeting, Beth Unger will be our President. The Council has accepted an invitation from The American Association of Anatomists to participate as their guest in the FASEB meeting known as EB2003, in San Diego, California in April of that year. In July of 2004, The Histochemical Society hopes to be the host for the International Federation of Histochemistry and Cytochemistry meeting. John Couchman has agreed to begin preliminary planning for this international meeting. We are tentatively planning on hosting the meeting on the campus of the University of California, San Diego. This was the venue for our very successful 5th Joint Meeting with the Japan Society in 1998.

Our meeting plans for 2005 and beyond are wide open. If you have any suggestions for a stimulating meeting, please contact me at carmichael.stephen@mayo.edu.

—*Stephen Carmichael*
Chair, Future Directions Committee
Past-President

One of the roles of a secretary in the HCS is that of chair of the Publications Committee, and prior to my recent election, I had been active on that committee. So this column will be directed toward issues considered in that committee's business that revolved around publication of our society journal: *The Journal of Histochemistry and Cytochemistry*, and, in particular, JHC on-line.



Continuing with the precedent set by Dick Burry, the HCS is actively pursuing electronic publishing for *The Journal of Histochemistry and Cytochemistry*. As you should all be aware by now, JHC is being published on line <<http://www.JHC.org>> with the assistance of HighWire Press. If you haven't activated your on-line subscription, you should do so the next time you're cruising the web. There are features on the JHC home page that will help you in your literature searching. For instance, eTOC (electronic Table of Contents) will deliver by e-mail Tables of Contents for most HighWire Journals. CiteTrack will allow you to select topics, keywords, and authors that appear in articles as they are published on-line for most other HighWire Journals, and send you an e-mail when the on-line article appears. You can also now see a list of the top 50 cited papers and the most often read on-line papers in the JHC.

Denis Baskin, editor of JHC, and I recently attended a publishers' meeting in Stanford University, sponsored by HighWire Press (HWP). Of the many sessions dealing with electronic publication, the most interesting was a show and tell by those few journals who are presently doing on-line submission and review of manuscripts or are planning to do so in the immediate future. This was of particular interest because JHC plans to go in that direction. Over the last year I surveyed the software packages available to see what would suit us. Only a few were actually up and running, the most visible of which were those used by the *Journal of Biological Chemistry and Science*. At the HWP meeting we heard about plans by two other publishers who either just did or were about to roll out this feature. We are excited about taking this next logical step in electronic publishing for some very good reasons, the most desirable of which is a shortening of the time between submission of a manuscript by an author and its publication. Moving to a procedure by which an author submits a manuscript electronically on the web, and a reviewer is directed to a site on the web to view the manuscript and return the review electronically has resulted in dramatic reductions in processing time to publication for the

Journal of Biological Chemistry and Science. The JHC wants to avail our authors of that benefit.

Another very exciting feature that JHC is considering is "publish ahead of print". What does that mean and how do you, a JHC author, benefit? In assembling an issue of JHC for the printer, there is a time lag during which articles that have already been peer-reviewed and accepted for publication are sitting in a queue awaiting the requisite number and mix of articles for that issue to accumulate. Save for the editorial staff of the Journal, no one else can see the article. "Publish ahead of print" would mean that the article would be posted on the JHC on-line site during that lag period, thus providing accepted content to readers at the earliest possible stage. Note that the time the article was posted on-line would be the date of publication; it would in effect be "published" because the world can see it, although it would not as yet be in print. This would also be the date by which precedence would be established. There are many traditional ideas attached to "publication" in general that are being changed as the result of the web, and electronic scientific publication is certainly not immune.

At the annual meeting in New Orleans, two new council members and publication committee members, Hinke Mulhaupt and Cy Wilcox, proposed to establish a **Histochemistry and Cytochemistry Knowledge Base** that would be readable and searchable on-line. One of the perceived roles of the HCS is as a repository of techniques and methods. Over the years, many new methodologies had been reported first in the JHC, and the society sponsors presentations at the annual meeting during which state-of-the-art workshops are given. However, as with all symposium presentations, the details behind a method or protocol are often truncated in the interest of time and, even in papers, the methods sections are shortened because of space considerations. This new HCKB would be a link from the HCS homepage and would contain detailed protocols, discussions of controls, and what might be the most appropriate method to use for a given application, and the presentation of clear images of the correct application of a technique. Perhaps posting of images of "bad" results might also be instructive. Anyone with an internet connection could access the site. If you have any input you would like us to consider as to content for the HCKB, please e-mail me.

Check the HCS homepage often for updates on these exciting forays by your society into e-publishing..

—*Joseph Mazurkiewicz*,
Secretary

PASSAGES

We regret to notify you of the deaths of
David Glick and Dorothy von Redlich Glick.

Saturday March 25, 2000, Hilton Riverside Hotel, Belle Chasse Room

The meeting convened at 12:00 PM.

1. Call to Order and President's Report. President Allen Gown called the business meeting to order and reported that the present meeting was very successful with attendance of 96. He considered that increasing the number of members in our Society is a major challenge. The financial state of the Society is very good and *The Journal of Histochemistry and Cytochemistry* continues to thrive in both its print and on-line versions.



Denis Baskin, Larry De Bault and Gwen Childs discuss plans for the 2001 meeting

2. Secretary's Report. As Secretary of the Society, Richard Burry led the Publications Committee which oversees the operations of the Journal. He supported

President Gown's

comments about the good financial and scientific health of the Journal. He urged the membership to identify and possibly write reviews for the Journal since these are widely read and have at least a two-fold higher usage than regular articles. The Publications Committee has recommended that the Journal proceed to implement on-line review of manuscripts and eventually on-line submissions. Burry complemented Editor Denis Baskin for his leadership in directing the Journal and Kim Borroni for an excellent job as managing editor.

4. Treasurer's Report. Treasurer Couchman reported that the assets of the Society have increased substantially during the past year and the financial situation is excellent. The figures are provisional since the financial report for 1999 has not been finalized by our accountants. The Society relies heavily on income from the Journal and from investments.

5. Editor's Report.

Editor Denis Baskin acknowledged the help of Richard Burry as Chair of the Publications Committee for support in developing directions for the Journal. He thanked Kim Borroni for his excellent work with the print version of the Journal and Allen Gown for his major role as Assistant Editor and work in the review process. This involves selection of monitoring editors and help at many stages of manuscript review. At the present time the acceptance rate for submitted manuscripts is about 50%. The time to first decision on manuscripts (accept, reject, revise) is about 58 days and should improve with on-line review. There has been a steady increase in the number of color pages in the Journal, perhaps in response to Council's decision to reduce color page charges. Changes in the Editorial Board were announced. New members are: Charles Frevert, Martin Wessendorf, Pertti Panula, Fusayoshi Murata, Julia Polak, David Spaulding, Fred Bosman, A. Julian Garvin, Carlos Condon-Cardo, and Ron DeLellis. New appointments as Associate Editors are: Ann Dvorak, Antonio Nanci, Theresa Pretlow, Cornelius J.F. Van Noorden, and Josiah Wilcox.

6. Awards and Election Results. Executive Director William Stahl stated that the results of the election were as follows: President Elect: Richard Burry (takes office at the business meeting next year and will be president for the Joint meeting in 2002).

President Elect Designate: Elizabeth Unger (becomes president elect at the business meeting next year and will be president for the joint meeting with the American Society of Anatomists in 2003).

Secretary: Joseph Mazurkiewicz (2000-2003)

Councilor: Hinke Multhaupt (2000-2004)

Bill Stahl presented awards as follows:

Outstanding Young Investigator Award was presented to Charles Frevert. This new award consisted of an engraved plaque and a check for \$1000. (Dr. Frevert presented a lecture on Friday, March 24th as part of the award.)

The **Ralph D. Lillie Award** consisting of a certificate and a check for \$200 was presented to Kenichi Oyama.

The **Vector Laboratories Young Investigator Awards** consisting of a certificate and a check for \$500. These were presented to Gary Stopyra and Rajshrin Shah.

New Members accepted for membership by the Council were: Sunil Badve, Paula Carlson, Melany H. Chapin, Luis Chiroboga, Pauline M. Chou, Janis L. Donovan, Harold F. Dvorak, Xing-Pei Hao, Donald S. Higgins, Jr., Huangpin Ben Hsieh, Makoto Ito, Stan Krajewski, Domenico Lazzaro, Hector Melin-Aldana, Takanoobu Nakase, Richard L. Ornberg, Mario Pestarino, Eduardo Rosa-Molinar, David A. Sanan, Mark J. Sinnamon, Bohdan J. Soltys, Gary A. Stopyra, Tracey W. Thomas, Hiromichi Tsurui, Gwyneth Y. Van, Xiaopeng Wang, Joelle M. Weaver, and Jun Zhang

HCS travel awards for the New Orleans Meeting were made to: Sat Bhattacharya, Dale Telgenhoff and Ben Hsieh.

In addition Stahl thanked the American Society for Cell Biology for directly providing individual stipends to support the attendance of six minority scientists at our annual meeting this year.

7. Introduction of New President and New Councilor.

Allen Gown introduced Gwen Childs who became President at this time. Childs commented that the present meeting was well organized and thought that is important for us to realize the importance of using immunocytochemical techniques within so many fields of biology.



Charles Frevert delivered the HCS Young Investigator Lecture

8. Future Directions Report. Chair Stephen Carmichael commented that a change in the by-laws had been approved by Council and recently by the membership which now permits us to select a president-elect designate. This permits us to make plans further in advance which is more in keeping with the structure of other societies that may be partners for future joint meetings.

Year 2001 Meeting (February 3-10, Santa Fe, NM). (Discussed under new business .)

Year 2002 Meeting. (July 25-28, Seattle, WA). The plans for this meeting are proceeding and the meeting will be held on the campus of the University of Washington.

Years 2003 Meetings. (April, San Diego, CA) Carmichael stated that the American Association of Anatomists has invited us to be a guest society with FASEB in 2003. This will be held as part of the annual Experimental Biology 2003 meeting. Elizabeth Unger was recently elected to the position of President-Elect-Designate and will serve as President for the 2003 meeting.

Year 2004 meeting. Council has proposed that our Society offer to host the International Federation of Societies for Histochemistry and Cytochemistry meeting and we will make formal presentation at the meeting in York in September. This may be held on the campus of the University of California San Diego (the site of the very successful joint meeting with the Japan Society for Histochemistry and Cytochemistry in 1998). John Couchman has agreed to be Chair for the ICHC2004 meeting if our bid is accepted by the International Federation.

9. International Congress of Histochemistry and Cytochemistry 2000. Paul Nakane and Ron Van Noorden stated that the **ICHC 2000** meeting will be held in the United Kingdom between September 3-8, 2000 on the campus of the University of York. They urged attendance by members of our Society. Funds are available to support student attendance at that meeting. **The deadline for submission of abstracts has been extended to May 15, 2000.**

10. New Business. President Childs discussed plans for the joint meeting with the International Society of Analytical and Molecular Morphology (ISAMM) in Santa Fe. This will be held at the La Fonda Hotel. Larry De Bault as President of ISAMM and who is also a member of HCS was present and contributed to the discussion on the joint meeting. Details are being worked out but arrival will probably be set for Saturday with symposia similar to those presented at the Winter Brain Conference. Workshops will follow in collaboration with ISAMM and will encompass topics which have been successfully presented at recent meetings. Childs participated in a recent ISAMM workshop and there was easy access to vendors and several tutorial lectures were presented as part of the meeting. Childs favored topics related to cDNA arrays, tissue microarrays, laser dissection capture microscopy, in situ PCR and the use of fluorescent probes in living cells. In addition to regular poster sessions she proposed that we have a special poster session in which investigators can share their technology.

Richard Eisen, represented The Society for Applied Immunohistochemistry and proposed that we explore the

involvement of his group in the meeting in Santa Fe. This will be considered by the organizers of the meeting.

11. Adjournment was at 12:47 PM.



**HCS Council Meeting
2000**

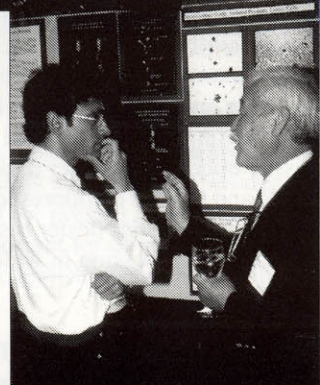
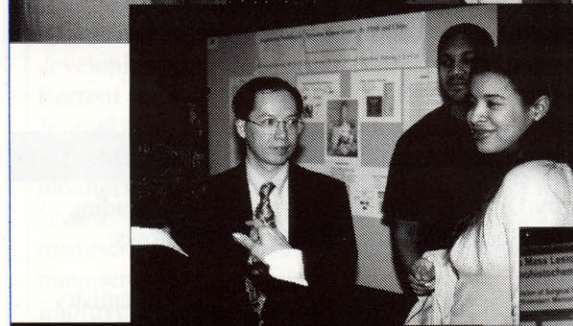
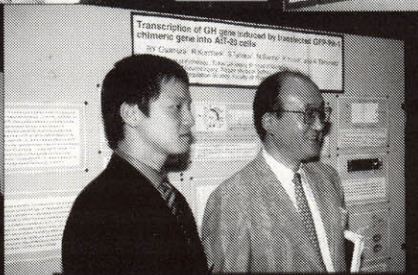
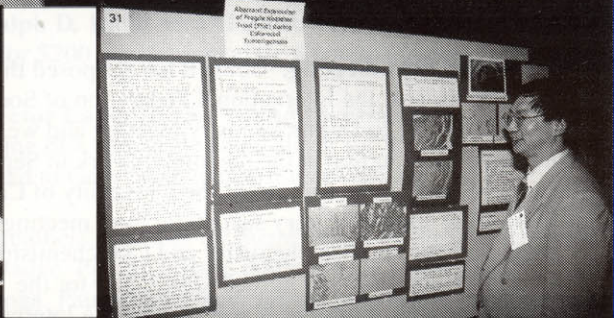
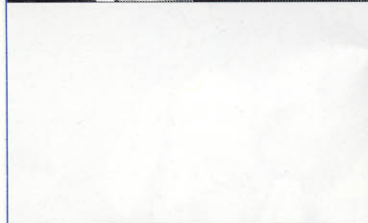
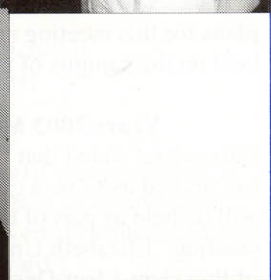
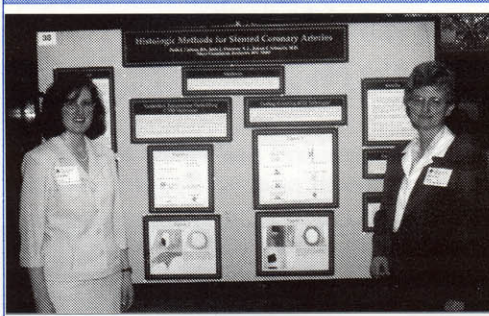


CORRECTION OF 1999 HCS BUSINESS MEETING MINUTES

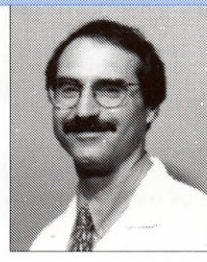
The comments by Dr. Leblond about the background leading to the creation of the Society and the Journal are as follows:

"The Histochemical Society and the Journal of Histochemistry and Cytochemistry were both founded by a group of three histochemists, Ralph Lillie, Ed Dempsey and myself, with Ralph playing the leading role. The three of us then submitted our preliminary arrangements to a group of histochemists. In the discussion that took place, many useful proposals were made by Alex Nowikoff and George Gomori. In particular, while we had proposed that the new journal be called 'Journal of Histochemistry', Alex Nowikoff convinced us to add the words 'and Cytochemistry' to the title."

POSTER SESSION AND RECEPTION AT THE 51ST ANNUAL MEETING



Dear Colleagues,



It has been an honor and a pleasure to serve as President of Histochemistry Society this past year. As I look over the list of past presidents, I note that many of my own personal heroes and mentors, including the late Earl Benditt, are on it. It is a somewhat daunting list to join! The past year, capped by the recent 51st annual meeting in New Orleans, has been a successful one, albeit one that presented new challenges to the Society.

I'm pleased to report to you that the 2000 Histochemical Society meeting, held this past March, was a great success. The hope in planning this meeting, that we would draw attendees of the United States-Canadian Academy of Pathology meeting at the same location, bore fruit: our total attendance was 96, up from 80 at the 1999 Bethesda stand-alone meeting. The highlight of the meeting was the day

long symposium, "Visualizing Neoplasia", with outstanding speakers including Mark Willingham, Kevin Roth, Gloria Juan, Cy Wilcox and Ray Tubbs, with topics covering the gamut from apoptosis to telomerase to in situ PCR and more. These talks engendered considerable interest and excitement, with several attendees joining the Histochemical Society on the spot. However, in the year to come we need to grapple with the broader issue of membership expansion; to that end, the plans for the joint meeting in Santa Fe next February (see elsewhere in this issue) should go a long way to address this ongoing concern. Thank you again for giving me the opportunity to serve as President, and I look forward to continuing my work for the Society from the Past President venue.

—Allen Gown
Past President

A V I S I T T O Y O R K



whole of medieval York. If you have extra time, day hikes into the Yorkshire Dales should not be missed. A number of excellent guides are available for Three Dales Way and North Yorkshire. A source of information about the City can be found at <<http://www.thisisyork.com>>. This site leads to additional information about excursions, hotels, transportation and the history of the area.

If you have questions about the meeting you can find more details at <http://www.med.ic.ac.uk/external/ichc_2000>.

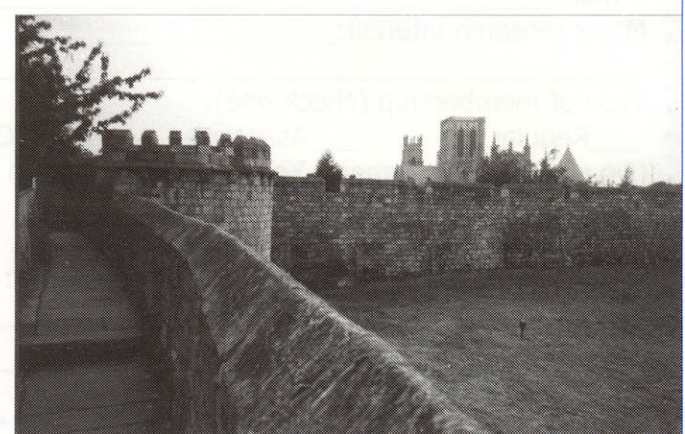
This meeting provides us with an opportunity not only to share in the science and collegiality of the meeting but to visit a city which has retained much of its character from medieval times.

I hope to see you in York!

—Bill Stahl
Executive Director

In September of this year the Eleventh International Congress of Histochemistry and Cytochemistry will be held on the campus of the University of York. This will be a good opportunity for us to meet our colleagues from around the world and at the same time have an opportunity to enjoy the unique medieval City of York. The City is about two hours from London by train and can be reached from King's Cross Rail Station on a frequent schedule. The University is a short distance from the City and can be reached easily by local bus or taxi. The campus has good meeting facilities and inexpensive housing for conference participants.

I presented a paper at a meeting on the campus in 1997 and discovered that the City has many cultural and fascinating vacation opportunities to offer. Those of you who enjoy Shakespeare will recall that York was a focal point for the Wars of the Roses. Some of the outstanding attractions of the City are York Minster (built 13th-15th centuries), which contains the largest single collection of medieval stained glass to have survived in England and the city walls which embrace the



Announcing the 11th International Congress of Histochemistry and Cytochemistry (ICHC 2000)

"Cell Biology and Imaging tools for the New Century"

Come to the beautiful Medieval City of York in England and enjoy 27 Scientific sessions aimed at the very latest development in imaging techniques for Cell Biology, Pathology, Plant Sciences and Environmental Toxicology.

Latest News

Roger Tsien is awarded the **Pearse Prize** for Histochemistry. The Pearse Prize is the highest award in the UK for contributions made in the field of Histochemistry.

Richard Hauglund will present the **Histochemical Journal Lecture**.

Morris Karnovsky will give the **David Glick Lecture**.

Fred Bosman will give the **Piet Van Duijn Lecture**.

Over a 100 other leading speakers.

Sign-up for the accompanying **Molecular Morphology Techniques** wet workshop

- **Register** for the week or choose from daily rates.
- Student support is still available, apply right away.

The **Abstract deadline is May 15, 2000** in order to be placed in the book of abstracts. For details on on-line registration, student support, abstract submission and excursions in York see the ICHC 2000 web-site: <http://www.med.ic.ac.uk/external/ichc_2000>

THE HCS NEWSLETTER

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Membership Application

Please complete this form and return to:

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Dept. Neurology, Box 356465
University of Washington
Seattle, WA 98195
e-mail: wlstahl@u.washington.edu, FAX: (206) 764-2164



RECRUITING NEW MEMBERS

Please use the application shown below for recruiting new members to the Society. Note that a recently approved 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.

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 Corporate

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

For students applying for associate membership.

Printed name and signature of academic advisor:
