



The Histochemical Society NEWSLETTER

Fall 2008

Vol. 21 Number 3

2009 Meeting Info

To register for the
2009 HCS Annual Meeting
The HCS Short Course
and
To Get the Latest Updates
Visit

www.histochemistry2009.org



HCS Webpage
www.histochemicalsociety.org

A Letter From The HCS President



Dear Members and Friends of the
Histochemical Society,

It gives me great pleasure to inform you about the exciting events and scientific highlights of the upcoming HCS 2009 annual meeting. Our 2009 annual meeting will be part of the Federation of American Societies for Experimental Biology (FASEB) at the Experimental Biology 2009 meeting, April 18-22, 2009 in the Ernest N. Morial Convention Center in New Orleans, Louisiana. Under the leadership of the American Association of Anatomists (AAA),

"EB 2009 – Anatomy comes to life" will offer a broad range of cutting-edge scientific sessions as well as numerous educational and training opportunities. As a Guest Society of AAA, HCS is pleased to participate in two major events: a two-day AAA Mini-Meeting on Stem Cells comprised of five sessions: a poster session, and a plenary session followed by a scientific symposium focusing on the emerging role of molecular cytogenetics in research and clinical diagnostics. The HCS will also sponsor a session on tissue fixation and offer a Short Course
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A Letter From The HCS President cont.

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on **Principles and Applications of Immunocytochemistry** and a student poster reception (jointly with AAA). Besides the brief overview and timetable provided below, information about the scientific sessions, social functions such as HCS reception, HCS business meeting and the *Journal of Histochemistry and Cytochemistry* Editorial Board meeting (open to all EB2009 attendees) can be found on the HCS web site at www.histochemicalsociety.org.

The Pre-EB2009 **Short Course "Principles and Applications of Immunocytochemistry"** will commence on the evening of Friday, April 17, and continue throughout Saturday, April 18, 2009. The course is organized entirely by the HCS and requires a separate registration. Please see page eight of this newsletter for further information including course program, fees and location.

The first of our three HCS-sponsored scientific sessions is scheduled for Sunday, April 19, 2:30-4:30pm. "**Tissue Fixation for Morphological Analysis and Molecular Profiling**", is jointly organized by Denis G. Baskin, VA Puget Sound Medical Center and University of Washington School of Medicine, Seattle, WA and Stephen W. Carmichael, Mayo Clinic, Rochester, MN. Confirmed speakers and titles for this symposium are Federico A. Monzon (The Methodist Hospital, Houston, TX) "**Unlocking the Archives: Genomic analysis of formalin-fixed paraffin embedded tissue**", Wei-Sing Chu (Armed Forces Institute of Pathology Washington, DC) "**Ultrasound-mediated tissue specimen preparation and on-slide molecule extraction from fixed tissue samples**", Steven A. Bogen (Boston University School of Medicine, Boston, MA) "**Formalin fixation and antigen retrieval: translating insights to clinical innovation**", and Scott D. Jewell (Ohio State University Innovation Centre, Columbus, OH) "**Non-formalin tissue fixation for biochemical and molecular analysis**".

Please mark your calendars to join us for the **HCS Reception** followed by the HCS Business Meeting and JHC Editorial Board meeting on Sunday, April 19, 5:30 - 7:30 pm. Sessions include the HCS Outstanding Young Investigator Award lecture and presentation of travel and other awards. Please see the HCS website at www.histochemicalsociety.org for details of the 2009 awards and application procedures.

Monday, April 20, 2009 will a busy day not only for HCS members, but all EB 2009 attendees. From 9:30 – 10:20 am, I will have the pleasure
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A Letter From The HCS President cont.

to deliver the **JHC Plenary Lecture** entitled “**From Molecules to Men – Molecular Cytogenetics in the 21st Century**”.

This will set the stage for the HCS-sponsored symposium “**Molecular cytogenetics in preimplantation/perinatal genetic analysis and cancer research**”, co-chaired by Thomas Liehr (Friedrich Schiller Univ. of Jena, Jena, Germany) and me. The symposium’s presenters from academia and industry will cover a wide range of recent technical developments in cytogenetics and their translation into clinical diagnostics: Stuart Schwartz (University of Chicago, Chicago, IL) “**Molecular Cytogenetic Delineation of Chromosome Structure and Complexity**”, Thomas Liehr (Friedrich-Schiller-Universität Jena) “**Multi-color FISH Assays for Characterization of Marker Chromosomes and Epigenetic Changes**”, Sau Wei Cheung (Baylor College of Medicine, Houston, TX) “**Clinical Application of aCGH for Prenatal Diagnosis: Experience with >350 Cases**”, and Jingly F. Weier (Reprogenetics, LLC, South San Francisco, CA) “**Single Cell Cytogenetics**”.

As part of the AAA Stem Cell Mini-meeting, Peter J. Quesenberry (Rhode Island Hospital, Providence, RI) and I agreed to organize a symposium “**Stem Cell Plasticity and Homing in their Histological Context**” scheduled for Sunday 2:30 – 4:30 pm. Sponsored jointly by AAA and HCS, this cutting-edge symposium will feature some of the high-profile experts in the field: Peter J. Quesenberry (Rhode Island Hospital) “**The Paradoxical Dynamism of Marrow Stem Cells**”, Jason M. Aliotta (Rhode Island Hospital, Providence, RI) “**Stem Cells and the Lung**”, Esmail D. Zanjani (University of Nevada, Reno, NV) “**Generation of Functional Humanized Liver in Sheep by Bone Marrow Cells**” and Mariusz Ratajczak (University of Louisville, Louisville, KY) “**Very Small Embryonic-like (VSEL) Stem Cells- Characterization, Biological Significance and Potential Applications**”.

No HCS Annual meeting would be complete without a reception honoring our young investigators and students, especially those who enrich the meeting with poster presentations. At HCS 2009, we will be joined by AAA scientists in a HCS/AAA - co-sponsored **Student Poster Reception** scheduled for Sunday, April 20, 7:00 – 8:00 pm.

Please check the HCS and AAA web site for locations and schedule changes.

Please keep in mind that the deadline for submission of abstracts and award applications is **November 05, 2008**. The meeting web site at www.EB2009.org which will handle all abstract submissions is now open and allows you to choose from a broad range of categories or topics where your will fit best. Further information about the registration process will be emailed to HCS members in the coming weeks.

Finally, I wish to thank the HCS Program Committee and the Society staff for productive interactions during the planning of HCS 2009, and all speakers and participants as well as the AAA for their continued support.

I am looking forward to seeing you in New Orleans.

H.-Ulli Weier
HCS President



HCS 2009 Annual Meeting

New Orleans

Preliminary Schedule

Friday, April 17 (evening) and Saturday, April 18 (all day)

Pre-EB2009 HCS Short Course

Principles and Applications of Immunocytochemistry

(separate registration fee).

Sunday, April 19, 2009

2:30-4:30 PM

Symposium

Tissue Fixation for Morphological Analysis and Molecular Profiling

5:30-7:30 PM

Histochemical Society Social Function

Reception (refreshments served) followed by Business Meeting and *Journal of Histochemistry and Cytochemistry* Editorial Board Meeting.

Session includes the HCS Outstanding Young Investigator Award lecture and presentation of travel and other awards.

Monday, April 20, 2009

9:30-10:20 AM

Journal of Histochemistry and Cytochemistry Plenary Lecture

Heinz-Ulrich Weier:

From Molecules to Man - Molecular Cytogenetics in the 21st Century

10:30 AM-12:30 PM

Symposium

Molecular Cytogenetics in Preimplantation/perinatal Genetic Analysis and Cancer Research

2:30-4:30 PM

Symposium: mini-meeting session joint with AAA

Stem Cells: Plasticity and Homing in their Histological Context

7:00-8:00 PM

Student Poster Reception, joint with AAA

Why Wiki ?



Meg McGough
HCS Wiki Developer

A recent issue of *Nature Methods*(1) discussed how research groups are using wiki platforms for coordinating and developing information on gene annotations and biological pathways. Andre Su, of the Genomics Institute of the Novartis Research Foundation and his colleagues are using Wikipedia for a community based annotation of the **Entrez Gene** in hopes of building a comprehensive gene wiki. Bruce Conklin, of the University of California, San Francisco and his colleagues are using a wiki for collecting and visualizing biological pathway information that is dispersed throughout databases and literature, <http://www.wikipathways.org/>.

Additionally, the September issue of *Nature Genetics* had an article (2) about Wikigenes, <http://www.wikigenes.org/>, a new wiki by Robert Hoffman where you may search thousands of genes, chemicals, pathologies etc. This is a particularly sophisticated

wiki that automatically tracks authorship.

So why the sudden interest and growth of scientific wikis? Are we seeing the beginning of the digital generation in science? Is information in too many disparate places and scientists want it packaged, is it the wisdom of the crowd, the search to collaborate with colleagues, or all of the above?

I think scientific wikis are taking off because they give participants responsibility for all aspects of an article from research, authoring, editing, posting, revisions and Q&A. In return, there is the satisfaction of your efforts being published online quickly within the community of your colleagues. That's certainly why HCS agreed to set up and sponsor **Cytowiki**. HCS felt that our members and colleagues needed an informal setting for collaborating on all issues that are histochemistry and cytochemistry. It would be a place for and by histochemists and cytochemists.

Online communities can be powerful, forceful proponents for change, as Wikipedia has shown. Cytowiki can, if we nurture it, take the place of, meetings we cannot attend, papers we do not know about or have no access to, experts who are difficult to contact and information that we cannot obtain. In the near future, HCS plans to open up Cytowiki to the general public. We hope HCS members will populate Cytowiki with technique and method information useful to the scientific community. No one knows

methods and techniques better than our HCS colleagues and we need to document, propagate and build a wiki that is comprehensive in including all of your knowledge.

Visit **Cytowiki** and add some of your insight and knowledge, <https://wiki.cytowiki.org>. Be a part of the HCS online community. Please email me if you have questions, comments or need assistance with the wiki. I am delighted to help.

Meg McGough

Articles cited:

1. Allison Doerr / We the curators / *Nature Methods* / volume 5 / 754 – 755 / September 2008 / doi :10.1038/nmeth0908-754
2. Robert Hoffman / A Wiki for the Life Sciences Where Authorship Matters / *Nature Genetics* / volume 40 / number 9 / 1047 - 1051 / September 2008 / Published online 27 August 2008 / doi:10.1038/

HCS Built It

Now it's your turn.

Log on to:

<https://wiki.cytowiki.org>

Add your knowledge

Cytowiki: histochemistry and cytochemistry explained



13th International Congress of IFSHC



Denis Baskin, Paul Nakane, and William Stahl at IFSHC Opening Ceremony and Reception

The 13th **International Congress of Histochemistry and Cytochemistry 2008** of the International Federation of Societies for Histochemistry and Cytochemistry (IFSHC) was held in Gdansk, Poland from August 23-27. These meetings are held every four years and comprise contributions from scientists from many nations.

This meeting was organized by Zbigniew Kmiec, President of the Polish Society for Histochemistry and Cytochemistry. The President of the IFSHC, Denis Baskin, gave the opening message of the Congress at the Hall of the Polish Baltic Philharmonic. The program included welcomes by government and university officials, a musical presentation by the Chamber Orchestra of the City of Gdansk, and presentations of honorary memberships in the Polish Society for Histochemistry and

Cytochemistry. Ron van Noorden, Past President of HCS, was one of those recipients.

Ron van Noorden also received the **David Glick Award** from the IFSHC and delivered an outstanding lecture on integration of immunocytochemistry, in situ hybridization and enzyme histochemistry techniques to investigate cellular function.

Robert (Bob) Y. Osamura, Secretary-General of the IFSHC presented the **Paul Nakane Prize**, which recognizes service to the international histochemistry community, to Denis Baskin and William Stahl.

The theme for the meeting was **Imaging of Cell Dynamics**. Over the following four days about 450 scientists participated in the Congress: 130 from Poland and 320 from other nations. There

were 255 posters in four sessions and 28 oral sessions that covered a wide range of topics.

Contributions from the Histochemical Society included: a symposium organized by Denis Baskin and William Stahl on "**Histochemical techniques for understanding mechanisms of human diseases**" with presentations by HCS Past-President Hinke Multhaupt, HCS-President H.-Ulli Weier, Taklehiko Koji and HCS Past-President Gwen Childs.

In other sessions: Jeff Lichtman delivered the *J. of Histochemistry and Cytochemistry* Plenary Lecture entitled: "**Connectomics in the developing nervous system**", and Ernie Blevins gave a plenary lecture on "**Histochemical approaches to visualizing brain feeding pathways**". Ernie was also recognized with a Young



Histochemists travel award of the IFSHC.

HCS Past-President Joe Mazurkiewicz chaired a Symposium session entitled: **Sensory functions of cells in stratified epithelia and their response to peripheral stimuli** and in that session gave a talk on **“An intrinsic feedback mechanism that modulates peripheral pain in the skin”**. He also presented a talk entitled: **APPL1 and the FSH-induced IP₃ pathway for calcium mobilization in human granulosa cells**.

Bob Osamura’s plenary lecture was entitled **“Contribution of histochemistry in pituitary development and pathology”**.

HCS Past-President John

Couchman co-organized a symposium on **Visualization of cell-matrix interactions in health and disease** and spoke on **“Cell-matrix adhesion, cytoskeleton and the activated fibroblast”**.

Kevin Roth, Editor of the *Journal of Histochemistry and Cytochemistry* presented a talk entitled ‘Sensitive and stable immunohistochemical detection using combined tyramide signal amplification and quantum dots’ and participated in a symposium and round table discussion on **‘Publication and Publishing in Histochemistry’**.

Overall the meeting was a great success highlighting the contribution of histochemistry to modern pathology and the integration of immunocytochemical technologies with basic biological

research.

The 13th meeting of the IFSHC included a business and two delegates meetings to raise issues of general concern to IFSHC members and to elect new officers of the IFSHC Executive Board, and to select the site for the 14th IFSHC meeting in 2012. H.-Ulli Weier served as HCS delegate. The new IFSHC board is comprised of President Bob Osamura (Japan), Secretary General Serap Arbak (Turkey), Treasurer Hinke Multhaupt (USA) and Councilors Zbigniew Kmiec (Poland) and Raymond Coleman (Israel). (Locations of officers and councilors refer to their society.) Pending a positive outcome of a site visit by the IFSHC board, the site for the 2012 meeting will be Kyoto, Japan.

Awards and Membership Committee

Dear HCS Members,

Please consider submitting an abstract to **Experimental Biology 2009** which is being held in New Orleans, LA, April 18-22, 2009. **Don’t forget to identify your membership with HCS when registering.**

As you know we have several awards for members, including student/postdoctoral travel awards, the Outstanding Young Investigator Award (OYIA), and Research Scientist Travel Awards. New this year, both the OYIA and Research Scientist Award recipients will receive complimentary attendance to the 2009 HCS Immunocytochemistry Short Course, held immediately prior to the EB meeting April 17 & 18. Up to 9.5 contact hours are available and accredited by the National Society for Histotechnology. This is applicable to laboratory staff in need of continuing education credits.

Finally, I encourage you to “talk up” our Society to your colleagues and their associates who you think would benefit from membership in our Society. Our Society is always in need of “active” members who will help carry our mission forward in the future.

Best Wishes,

John J. Shacka, Ph.D.

Chair

Awards & Membership Committee



John Shacka



Roger Tsien shares 2008 Nobel Prize in Chemistry



Roger Tsien, who has given keynotes and the David Glick Award Lecture at past annual meetings of HCS shares the Nobel Prize with Osamu Shimomura and Martin Chalfie for work on discovery and development of fluorescent proteins and molecular probes which are widely used in biology. Osamu Shimomura identified green fluorescent protein in jellyfish, Martin Chalfie showed that the protein could be used as a biological identifier tag by inserting the gene that produces the protein in DNA and Roger Tsien crafted a multitude of fluorescent probes that are the mainstay for research in tracking cellular processes.

HCS Short Course in New Orleans

Principles and Applications of Immunocytochemistry

The HCS will again offer a Short Course just prior to our 2009 meeting at Experimental Biology in New Orleans. The course will be offered over two days with the opening session on Friday evening, April 17, and a full day on April 18.

Registrants in the course will be able to obtain contact hours that are accredited by the National Society for Histotechnology. This is applicable to laboratory staff in need of continuing education, so HCS asks our members to help us spread the word about the course to your staff and colleagues.

The course is organized in three parts, one part on Friday and two parts on Saturday. Friday evening is an introductory lecture covering broad concepts. Saturday morning will include basic principles associated with the application of ICC, antibodies, antigen retrieval and important elements of laboratory operations and troubleshooting as applied to both clinical and research laboratories. Saturday afternoon will cover advanced concepts and techniques that will focus on fluorescence and confocal methods, amplification methods, double labeling and co-localization strategies and other topics to be announced.

Pricing for the course is \$200 for the Friday evening and the Saturday morning session or, \$300 for the entire course. The price includes refreshments at all sessions, lecture handouts and the course manual. *The course manual was a highly sought after item at last year's course and at the HCS booth at Experimental Biology.* In 2009, we will be offering the manual for sale following the conclusion of the course.

If you or colleagues that you know could benefit from this Short Course, please have them visit the website, <http://immunocytochem.wordpress.com> for further information on speakers, syllabus and registration. You may also contact William Stahl, wstahl@u.washington.edu or Meg McGough, mmcgough@histochemicalsociety.org if you have questions or comments.



PRINCIPLES AND APPLICATIONS OF IMMUNOCYTOCHEMISTRY

A Short Course Sponsored by HCS, Olympus and Visiopharm

Schedule of Presentations

April 17, 2009, Friday 7:00 - 8:30 PM

Session One

Salons 15&18 of Grand Salon of the Hilton New Orleans Riverside Hotel, New Orleans, LA

Introduction

Chair: William Stahl

7:00-7:30 PM Reception with refreshments for speakers and attendees

7:30-8:30 PM **Introduction to the Study of Immunocytochemistry**

Speaker: Gwen Childs

April 18, 2009, Saturday 8:25 AM-1:00 PM

Session Two

Salons 21&24 of Grand Salon of the Hilton New Orleans Riverside Hotel

Basic Concepts and Practices of Immunocytochemistry

Chair: William Stahl

8:25-8:30 AM: **Introductory Comments**

Speaker: William Stahl

8:30-9:30 AM: **Key Elements of Immunocytochemistry**

Speaker: Charles Frevort

9:30-10:30 AM: **Antibodies, Antigens and Antigen Retrieval**

Speaker: Hinke Multhaupt

10:30-10:45 AM: Refreshment and coffee break

10:45-11:15 AM: **Amplification Methods**

Speaker: Kevin Roth

11:15-11:45 AM: **Controls**

Speaker: Denis Baskin

11:45AM-12:45PM: **Basic Elements for ICC Laboratory Operations**

1) **Clinical Laboratories**

Speaker: Beth Unger

2) **Research Laboratories**

Speaker: Hinke Multhaupt

12:45-1:00 PM: **Q and A with Speakers**

1:00-1:30 PM: Lunch, box lunches - opportunity to meet with speakers from morning session

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PRINCIPLES AND APPLICATIONS OF IMMUNOCYTOCHEMISTRY

A Short Course Sponsored by HCS, Olympus and Visiopharm

Schedule of Presentations

April 18, 2009, Saturday 1:30-5:15 PM

Session Three

Salons 21&24 of Grand Salon of the Hilton New Orleans Riverside Hotel

Advanced Concepts and Techniques of Immunocytochemistry

Chair: Denis Baskin

1:30-2:30 PM: ***Fluorescence Microscopy and ICC***

Speaker: Richard Levenson

2:30 -3:30 PM: ***Double Labeling and Co-localization***

Speaker: Gloria Hoffman

3:30:3:40 PM: Refreshment and coffee break

3:40-4:10 PM: ***ICC at the EM Level***

Speaker: Richard Burry

4:10-4:40 PM: ***Acquiring and Validating Authenticity of Images***

Speaker: Eduardo Rosa-Molinar

4:40-5:15 PM: ***Wrap-up of Course and Roundtable: Problems and Trouble Shooting***

Denis Baskin and Speakers of all sessions



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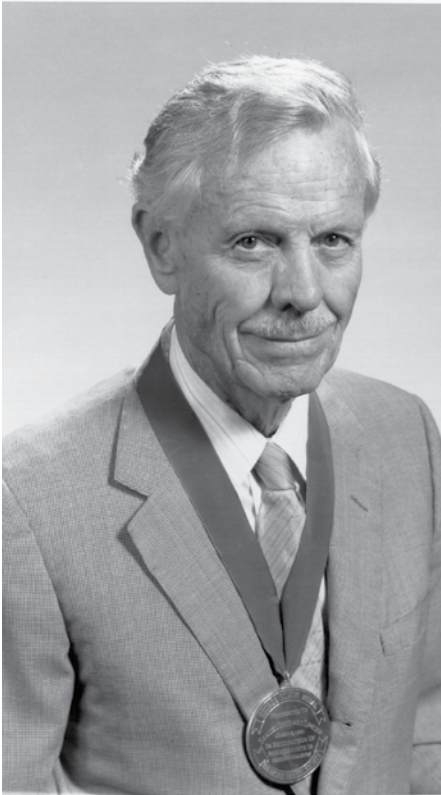
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HCS Remembers Sam Spicer



Samuel Spicer, 1914-2008

Dr. Samuel Sherman Spicer, Jr., 94, passed away on Monday, August 19, 2008, in Charleston, South Carolina. Dr. Spicer was born August 12, 1914 in Denver, Colorado. He received his BS and MD degrees from the University of Colorado and completed his internship at the University of Wisconsin General Hospital. In 1940, Dr. Spicer was commissioned as an Assistant Surgeon in the US Public Health Service and assigned to the National Institutes of Health in Bethesda, Maryland where he eventually served as Chief of the Section of Biophysical Histology in the Laboratory of Experimental Pathology. Arrival in Bethesda led to his marriage to Gertrude E. McRae and three children, Kenneth, Eleanor, and Sam, Jr.

Upon retirement from the Public Health Service in 1966, Dr. Spicer was appointed as a Professor of Pathology at the Medical University of South Carolina where he continued on as a Professor Emeritus until his death. While at the NIH, Sam's initial research interests concerned dietary induction of folic acid deficiency in rats and contractile mechanisms of skeletal muscle proteins, the latter in a laboratory established by Dr. Albert Szent-Györgyi. His work on skeletal muscle led to an early interest in electron microscopy, an emerging technique that he utilized throughout his career. Subsequent training in histopathology at the George Washington University Hospital and the Armed Forces Institute of Pathology was followed by an opportunity, in Dr. Ralph D. Lillie's laboratory, to utilize his biochemical and morphological background in the new field of histochemistry.

Dr. Spicer was an early member of the Histochemical Society and served on the Council and the Editorial Board of the *Journal of Histochemistry and Cytochemistry* and as President of the Society in 1982. Sam's accomplishments in the field of histochemistry are well known to many members of the Society as well as to cell biologists and pathologists throughout the world. He authored more than 460 original research papers, book chapters and review articles over a career spanning 65 years. Almost without exception these publications employed some type of histochemical technique to explore a wide range of basic cell biological and histopathological problems. The impact of these

publications is underscored by the fact that Dr. Spicer was listed by *Current Contents* as one of the most 500 cited authors over the two decades spanning the 1970 and 1980's.

One of Dr. Spicer's major areas of interest was in understanding the structure and function of cell and tissue glycoconjugates through the development and application of specific histochemical methods for localizing these substances to precise cellular and subcellular sites. His knowledge and contributions, however, were not limited to carbohydrate histochemistry alone, but rather spanned the entire field of histochemistry including the development and use of enzyme histochemical methods and the development of the unlabeled antibody-enzyme bridge technique of immunocytochemistry. Sam applied these techniques to the study of histopathological changes in a wide range of cell types and disorders including cystic fibrosis, various types of cancers and, in his latter years, age-related hearing loss.

Dr. Spicer's many contributions were recognized by his receipt of several prestigious awards including an honorary Doctor of Medicine degree from the University of Linboping, Sweden in 1977. In 1982, he received an award from the Japanese Society for the Promotion of Science that provided funding for three months of travel to speak and consult at 14 major Japanese Universities. In 1988 he received an award at

Cont. next page...



HCS Remembers Sam Spicer cont.....


the 8th International Congress of Histochemistry and Cytochemistry for "pioneering" advances in the development and application of histochemical methods. In 1991, Dr. Spicer was presented with the Gomori Award from the Histochemical Society, in 1992 he was selected to deliver the Glick Lecture at the 9th International Congress of Histochemistry and Cytochemistry and in 1998 he received an Honorary Doctor of Science Degree from the Medical University of South Carolina.

Dr. Spicer was an avid and tireless supporter of the Histochemical Society throughout

his career. He presented original research at almost every annual meeting of the Society and attended the first nine International Congresses on Histochemistry and Cytochemistry. During his tenure as President of the Society, he organized the First Joint American-Japanese Meeting in Vancouver. The continuation of these joint meetings with the Japanese was a major success and contributed greatly to the viability and visibility of the Society. Sam was also a gifted teacher and mentored a large number of students, fellows and visiting scientists who continue to make valuable contributions to our field. It is my firm conviction that no member of the Society has

done more to advance the field of histochemistry and cytochemistry than Dr. Samuel Spicer and for this we owe him a great debt. He will be greatly missed by his family, friends and colleagues, but we are consoled in the knowledge that he led a full and fruitful life. Memorials in honor of Dr. Spicer can be sent to the Medical University of South Carolina Foundation, Department of Pathology and Laboratory Medicine, P.O. Box 250450, Charleston, SC 29425. Proceeds from this fund will support an annual Samuel S. Spicer, Jr. Endowed Lectureship.

Bradley A. Schulte
August 25, 2008



H2O – Changes Ahead for the

Journal of Histochemistry and Cytochemistry

When JHC began to publish online through HighWire Press, there was no significant difference between the print and online articles. JHC gradually added features to the online journal and is currently still a reflection of the print JHC. Within two years, that will change dramatically. JHC will move to a architecturally advanced, hosting platform developed by HighWire Press. The following remarks by John Sacks, the Director of HighWire Press give a sense of what JHC and HighWire are moving towards in the future.

“The Journal is (and always has been) a conversation. But this conversation is now occurring throughout the internet, in social networks, blogs, through tagging and folksonomies, with application-building tools, and more. H2O is built for Publisher 2.0, the publisher of the future: a publisher who wants to be able to be in the middle of, to be present throughout the conversation.

HighWire built H2O to enable a Publishing 2.0 site: a community communications site. A site should be a service to the users, a place for people to do research, interact with information and ideas, and each other... a place to explore; like a research meeting, but online, and permanent. A site should also be a dynamic sales and marketing tool for publishers, adapting to each user's behavior and a place for relevant content to fit into the user's workflow.

HighWire's new platform, H2O is about possibilities for the future of publishing and research communication.”

Stay tuned for further developments.



Journal of Histochemistry and Cytochemistry

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