



# The Histochemical Society NEWSLETTER

Fall/Winter 2004

An Official Publication of The Histochemical Society

## A Letter From the President



The 12th Congress of Histochemistry and Cytochemistry that was organized by The Histochemical Society in San Diego last summer, is now a fond memory to me. I don't think I am the only one. The atmosphere was great and science was tops. What else do we expect of a congress?

Often I meet colleagues who have doubts about a congress that is technique oriented rather than biology/pathology oriented. They consider such events as old hat and not of these times. How wrong are these ideas! Many of the top speakers at the congress and especially those of the San Diego area did not only present a lecture, but attended sessions other than their own as well. They told me that this

congress was very important to them because information on techniques is often lost at the other meetings. So, we do have our own niche. We have to advertise this issue as much as possible because it is our *raison d'être*.

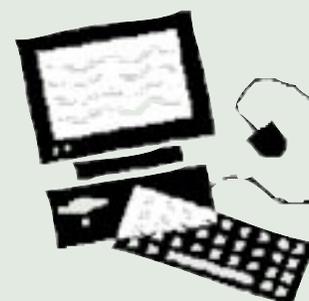
One of the major developments in cell biology is live cell imaging to study the dynamic interactions between macromolecules as occur in real life. Green fluorescent protein technology has revolutionized dynamic live cell imaging. I consider the techniques for live cell imaging to be cytochemical techniques and thus part of our tools. Therefore, the next annual meeting of the Histochemical Society will focus on live cell imaging. The title of the meeting is **"Proteomics in situ: imaging proteins at work"**. The preliminary program can be found in this newsletter. An updated version can be found on our website, [www.hisochemistry2005.org](http://www.hisochemistry2005.org)

Please note that the meeting is held at the end of April in The Netherlands. It is a great honor for me to organize this annual meeting outside the US, so it has to be very good! The venue of the meeting is a half hour away from the international airport of The Netherlands, Schiphol Amsterdam. It is right in the middle of the bulb fields that are then fully in bloom. The colorful spectacle still impresses me each year, no matter how often I have seen it. Moreover, a huge exhibition park, De Keukenhof, showing millions of flowers in bloom, is at short distance from the congress venue. Finally, the meeting is held on April 27-30 but the last day is just breakfast and farewell because it is the most prominent holiday in The Netherlands. It is the Queen's birthday and everybody should enjoy that. You can participate in the party in a small town like Leiden, which is 15 min away from the congress venue, or in a large town like Amsterdam.

*cont. page 2*

### *Inside This Issue:*

Open Access: The Debate Continues	2
Future Meeting	2
Focus on Paul Nakane	3
Business Meeting Minutes	4-5
ICHC 2004 Pictures	6
2005 Preliminary Program	7
Young Histochemists' Social	8



[www.histochemicalsociety.org](http://www.histochemicalsociety.org)

## The Histochemical Society Officers

### President

VAN NOORDEN, Cornelis J. F.  
Univ of Amsterdam  
E-mail: c.j.vanNoorden@amc.uva.nl

### President-Elect

MAZURKIEWICZ, Joseph E.  
Albany Medical College  
E-mail: mazurkj@mail.amc.edu

### President-Elect Designate

MULTHAUPT, Hinke A. B.  
Imperial College, London  
E-mail: h.multhaupt@ic.ac.uk

### Past-President

COUCHMAN, John R.  
Imperial College, London  
E-mail: j.couchman@ic.ac.uk

### Treasurer

ROTH, Kevin A. (2001-2004)  
University of Alabama at Birmingham  
E-mail: kroth@path.uab.edu

### Councilors

FREVERT, Charles W. (2001-2005)  
VA Medical Center, Seattle  
E-mail: cfrevert@u.washington.edu

HAZEN-MARTIN, Debra (2003-2007)  
Medical Univ of South Carolina  
E-mail: hazenmad@muscc.edu

MURPHY, Kelley (2003-2007)  
Univ of Utah  
E-mail: kelley.murphy@hsc.utah.edu

NANCI, Antonio (2003-2007)  
Univ de Montréal  
E-mail: antonio.nanci@umontreal.ca

PAPKA, Raymond E. (2002-2006)  
Northeastern Ohio University College of  
Medicine  
E-mail: rpapka@neoucom.edu

SANDELL, Linda (2002-2006)  
Washington University School of Medicine  
E-mail: sandell@msnotes.wustl.edu

WEIER, Heinz-Ulrich (2003-2007)  
Lawrence Berkeley National Laboratory  
E-mail: ugweier@lbl.gov

OSAMURA, R.Y. (2004-2008)  
Tokai University School of Medicine  
E-mail: osamura@is.icc.u-tokai.ac.jp

ROSA-MOLINAR, Eduardo (2004-2008)  
University of Puerto Rico-Rio Piedras  
E-mail: ed@hpcf.upr.edu

### Executive Director

STAHL, William L.  
E-mail: [wlstahl@u.washington.edu](mailto:wlstahl@u.washington.edu)

### Letter from President cont.

So, I hope that this first annual meeting of The Histochemical Society abroad will be a success and that many members of The Histochemical Society will attend. Because the meeting is not only the annual meeting of The Histochemical Society, but also of the Society for Histochemistry (Europe), it should be the place for exchanges of ideas between Europe and the US.

So let me welcome you in Noordwijkerhout, The Netherlands at the first joint meeting of the Histochemical Society and The Society for Histochemistry, April 27-30, 2005, entitled: **“Proteomics in situ: imaging proteins at work”**.

Ron Van Noorden

## Open Access - The Debate Continues

The Histochemical Society's response to the NIH Open Access initiative is available as a PDF on the HCS website under the News section. We encourage members to continue to educate themselves on this contentious issue. It is anyone's guess as to the final form the NIH proposal will take but the push for Open Access is not going away. From a complete change in how journals are funded, to who will be funded, to who holds the copyright and where an article is going to be archived, it cannot be over emphasized the profound changes this proposal will have on scientific publishing. The Histochemical Society's Executive branch and staff are currently involved with other not-for-profit publishers working to influence Congress and NIH in moderating some aspects of the proposal. We believe science would be far better served by cooperation on all sides.

At the same time, HCS has begun planning for a future which includes Open Access. The HCS journal, *Journal of Histochemistry and Cytochemistry* is looking to the day when there are no institutional subscriptions and the Journal may primarily be funded by authors. Librarians have been predicting the end of print for a long time, Open Access may hurry this along. What will scientific journals be like in the near future? What will happen to monthly issues? These are but a few of the questions JHC is considering. We will keep you informed as this story continues to unfold.

Meg McGough

### FUTURE MEETING OF THE HISTOCHEMICAL SOCIETY 2006 Joint Meeting with the Japan Society of Histochemistry and Cytochemistry

23-26 August 2006

At the Waikoloa Marriott Hotel

On the Big Island of Hawaii

Organized by Joseph Mazurkiewicz (HCS) and Toyoshi Fujimoto (JSHC)

Details will be available on the meeting website in the Spring 2005.

# Spotlight on: *Paul Nakane*

---



In this issue of the Newsletter, The Histochemical Society is delighted to highlight the career of one of our most distinguished members, Paul Nakane, Ph.D. D. Med. Sci.

Paul received his Ph.D. from Brown University in 1963 and then spent two years as a research associate with David Glick in the Department of Pathology at Stanford University. He then joined the faculty in the Department of Pathology at the University of Michigan, followed by an appointment in the Department of Pathology at the University of Colorado Health Sciences Center where he rose through the academic ranks to Professor. Paul returned to Japan in 1982 as the Director of The Medical Research Institute and Professor of Cell Biology at Tokai University School of Medicine. He moved to Nagasaki University School of Medicine in 1989 as Professor and Chairman of the Department of Histology and Cell Biology and Associate

Dean for Academic Affairs.

Together with Barry Pierce in 1966, Paul introduced the now-classic enzyme labeled antibody method for immunocytochemistry. The publication of this method in *The Journal of Histochemistry and Cytochemistry* revolutionized the nascent field of immunocytochemistry and greatly contributed to the rejuvenation of histochemistry as an analytical approach for understanding cell chemistry. The use of enzymes as tracers for antibodies and antigens, as well as methods to label them, has led to the developments of methods such as ELISA, Western blot, Southwestern blot, Southwestern histochemistry, and enzyme-in situ hybridization, and the use of immunocytochemical staining for electron microscopy. He applied these methods to probe the functional state of endocrine tissues at both the light and electron microscopic levels, particularly that of the anterior pituitary gland where he was successful in functionally classifying all cell types. Paul's bibliography reads like a list of classic papers in immunocytochemistry, and his 1974 paper on Periodate-lysine-paraformaldehyde fixation is the second most cited *Journal of Histochemistry and Cytochemistry* paper of all time.

In recognition of his scientific contributions and achievements, Paul has received numerous awards, including the David Glick Award from the International Federation of Histochemistry

and Cytochemistry. The IFSHC recently established a new award in Paul's name, The Nakane Prize, to honor individuals who have made outstanding scientific accomplishments and provided international leadership for the field of histochemistry. Paul was President of both The Histochemical Society in 1978-1979 and the Japan Society for Histochemistry and Cytochemistry in 1985-1986. He has also been President of the Japanese Society of Cell Biology (1994) and President of the IFSHC (1996-2000). At every International Congress of Histochemistry and Cytochemistry since 1968, Paul participated as either a keynote speaker or as a plenary lecturer. Appropriately, Paul was the first recipient of The Nakane Prize, which was presented to him at the opening ceremony of ICHC 2004 by IFSHC President, Ron Van Noorden. "The prize recognizes the role you have played as a scientist and leader, and we can think of no person more deserving of the award than yourself," Van Noorden told Paul in announcing the award and its first recipient.

Paul currently serves as Research Professor at the California Polytechnic State University at San Luis Obispo where he is associated with the Environmental Biotechnology Institute. His current research involves development of a rapid clinical histochemical test to identify specific antibiotics that are effective against infectious bacteria and fungi. □

# 2004 Business Meeting

---

## BUSINESS MEETING of THE HISTOCHEMICAL SOCIETY

Tuesday, July 27, 2004, 12:45PM

University of California San Diego, LaJolla, California

1. **Call to Order.** The Meeting was called to order by President John R. Couchman at 12:45 PM.
2. **Secretary's Report.** President John Couchman stated that Mazurkiewicz communicated to him that he had nothing new to report, and that he would be available if anyone had any questions or would like to discuss any issues. Couchman noted that Mazurkiewicz would begin his term as President-Elect in 2005.
3. **Treasurer's Report.** Treasurer Kevin Roth reported that the Society is in good financial shape and that we have recently consolidated investment accounts with the financial management firm Smith Barney. Roth commented that the *Journal of Histochemistry and Cytochemistry* is the official publication of the Society and it continues to be financially successful.

Director of Corporate Affairs Stephen Carmichael inquired about the cost of this meeting to the Society. Executive Director William Stahl stated that the Society has contributed in excess of \$25,000 to cover the expense shortfalls. He stated that this was more than expected and is a result of a lower than expected attendance.

4. **Editor's Report.** Editor-in-Chief Denis Baskin reported on some of the significant changes that have occurred during the last year.

a) Finances - All of the finances for the Society have been transferred to the Society's Business Office and are overseen by the Executive Director William Stahl and Treasurer Kevin Roth. Finances are reviewed by the Finance Committee of the Society.

b) Subscription Fulfillment - The Journal office is working in-house on a new database system to handle subscription and fulfillment. Baskin noted that manuscript submission is up from previous years and the Journal office has a positive influx of manuscripts, and the acceptance rate is approximately 50%.

c) Review Articles - The Journal has a great number of Review Articles online. Richard Burry, Editor for Review Articles, has encouraged authors to submit this type of article and it has been a success.

d) AllenTrack - The Journal now has an online manuscript submission and review site that has been implemented successfully this year. Authors, Reviewers, and Editors are now interacting with this online system and we rarely receive a manuscript by mail any longer. This has allowed for a faster turnaround of Articles, from submission to publication. Baskin has been very pleased with this new system.

e) Online ahead of print. The Journal will be introducing a new feature of publishing Articles online ahead of the print publication. As soon as a manuscript is accepted it will be posted online in its original unedited form.

Director of Corporate Affairs Stephen Carmichael inquired about the end of Baskin's editorship. Baskin responded that his term ends in 2005 and that the Council of the Society is currently recruiting a new Editor. Young Investigator and Travel Award recipient Chrishimba N. Mowa inquired about the Journal's impact factor. Baskin responded that it is approximately 2.7. It has been between 2.5 and 2.8 over the last 10-15 years.

5. **Awards.** Ray Papka, Chair of the Awards Committee, presented Travel Awards and the Vector Award.

### Travel Award

Rizwan Akhtar	University of Alabama at Birmingham
Emmanuelle Boucher	University of Montreal
Ritu Chakaravarti	Cleveland Clinic Foundation
Marsye Cloutier	University of Montreal
Przemyslaw Krawczyk	University of Amsterdam

# 2004 Business Meeting

---

Hyoung-gon Lee	Case Western Reserve University
Chrishimba N. Mowa	Northeastern Ohio Universities College of Medicine, Rootstown
John J. Shacka	University of Alabama at Birmingham
Rima Wazen	University of Montreal
Katarina Wolf	University of Wuerzburg, Germany
Xiongwei Zhu	Case Western Reserve University

## **The Vector Laboratories Young Investigator Awards**

Chrishimba N. Mowa	Northeastern Ohio Universities College of Medicine, Rootstown
Xiongwei Zhu	Case Western Reserve University

Papka noted that the Ralph Lille Award\* is still under consideration and will be announced and presented at the ICHC2004 Banquet on Wednesday, July 28, 2004.

## 6. **Meetings.**

a) ICHC2004. Executive Director William Stahl reported that we have approximately 329 scientists who preregistered at this meeting. The distribution is as follows:

United States	170	The Netherlands	7
Canada	9	Turkey	15
China	6	United Kingdom	11
Germany	9	All Others	20
Italy	19	Accompanying Persons	31
Japan	51	Exhibitors	16
Poland	5		

President John Couchman thanked Stahl and the HCS Business Office for all their assistance in organizing this meeting. IFSCH President Ron Van Noorden commented that this meeting has previewed specialized techniques and the high quality program has been fascinating. Van Noorden noted that although attendance is lower than expected, the meeting has been a scientific success.

b) **Joint Meeting 2005.** Van Noorden reported that HCS would be meeting in Noordwijkerhout, The Netherlands, April 27-30. This will be a joint meeting with the Society of Histochemistry. The topic of the meeting is live cell imaging and the title is "Proteomics In Situ: Imaging Proteins At Work". There will be five semi-day sessions built around live cell imaging and imaging *in vivo*.

c) **Joint Meeting 2006.** Secretary Joseph Mazurkiewicz reported that the Society has already begun planning for this meeting. It will be a joint meeting of The Histochemical Society and The Japan Society of Histochemistry and Cytochemistry in Hawaii, August 24-27.

7. **Introduction of New Officers and Councilor.** President John Couchman reported on the new officers of the Society and relinquished his presidency to President-Elect Ron Van Noorden. The new Officers and Councilor are as follows:

President	- Cornelis R. Van Noorden
President-Elect	- Joseph Mazurkiewicz (President 2006)
President-Elect-Designate	- Hinke Multhaupt (President 2007)
Treasurer	- Kevin Roth
Councilor	- Robert Osamura

President Cornelis R. Van Noorden continued with the agenda of the business meeting and discussed his participation with the Society through the years.

8. **New Business and Adjournment.** No new business was presented. Van Noorden adjourned the meeting at 1:25pm.

\* awarded subsequently to Rima Wazen, University of Montreal

# International Congress of Histochemistry and Cytochemistry

*The atmosphere was great  
and the science was tops.*

*What else  
do we expect of a  
congress?*



2004

**Joint Congress of The Histochemical Society (US)  
and  
The Society for Histochemistry (Europe)  
*Proteomics in situ: imaging proteins at work***

**Date:** 27-30 April 2005

**Location:** Leeuwenhorst Hotel, Noordwijkerhout, The Netherlands

**Organized by:** Ron Van Noorden (HCS)

**Abstract Deadline:** 1 March 2005

**Website:** [www.histochemistry2005.org](http://www.histochemistry2005.org)

**Preliminary Program**

**Wednesday, 27 April**

**Arrival and registration; meeting begins at 2:00PM**

**Session I: Non-invasive imaging in small animals: a comparison of 5 different techniques to monitor tumor development**

*Chairs: Charles Frevert and Ron Van Noorden*

**Robert Feulgen Lecture:** *Maxime Dahan: From analog to digital: exploring cell dynamics with single quantum dots*

**Reception and Buffet**

**Thursday, 28 April**

**Opening by the President of the Society**

**Awarding of the Robert Feulgen Prize**

**Session II: Dealing with phototoxicity in live cell microscopy**

*Chair: Erik Manders*

**Session III: Electron microscopy of the living cell**

*Chair: Han Van Der Want*

**Poster Session**

**Friday, 29 April**

**Piet Van Duijn Lecture**

**Session IV: Monitoring of tumor development and progression**

*Chair: John Collard*

**Lecture by the Feulgen Prize winner**

**Session V: Fluorescence from living cell to living organism**

*Chair: Eric Reits*

**Congress Dinner**

**Saturday, 30 April**

**Breakfast**

**Farewell**

*Please refer to the web site ([www.histochemistry2005.org](http://www.histochemistry2005.org)) for program updates*

## Young Histochemists' Social Event



The Membership Committee of HCS has worked to develop an evening program for young histochemists attending the joint meeting in The Netherlands in April 2005. It will consist of a two hour trip on two Fietscafe bikes. These are beer-on-board 15 person bikes which will travel along canals in the center of Amsterdam - a unique experience!

The Fietscafe bike ride will be followed by a dinner cruise along the canals of Amsterdam. Transportation to Amsterdam and back to the meeting site will be included. Information on this event and how to register for it will be found on the HCS meeting webpage at [www.histochemistry2005.org](http://www.histochemistry2005.org).



**President-Elect:  
Joe Mazurkiewicz**

### Histochemical Society Committees 2003-2004

#### **Awards Committee:**

Ray Papka, Chair: [rpapka@neoucom.edu](mailto:rpapka@neoucom.edu)  
Kevin Roth: [kroth@path.uab.edu](mailto:kroth@path.uab.edu)  
Gloria Hoffman: [gehoffma@umaryland.edu](mailto:gehoffma@umaryland.edu)

#### **Finance Committee:**

Kevin Roth, Chair: [kroth@path.uab.edu](mailto:kroth@path.uab.edu)  
William Stahl, ex officio:  
[wlstahl@u.washington.edu](mailto:wlstahl@u.washington.edu)

Linda Sandell: [sandell@msnotes.wustl.edu](mailto:sandell@msnotes.wustl.edu)  
Ray Papka: [rpapka@neoucom.edu](mailto:rpapka@neoucom.edu)

#### **Membership Committee:**

Kelley Murphy, Chair:  
[kelley.murphy@hsc.utah.edu](mailto:kelley.murphy@hsc.utah.edu)  
Heinz-Ulrich Weier: [ugweier@lbl.gov](mailto:ugweier@lbl.gov)  
Daniel Friend: [dfriend@rics.bwh.harvard.edu](mailto:dfriend@rics.bwh.harvard.edu)  
Howard Wynder:  
[howard.wynder@mcmail.vanderbilt.edu](mailto:howard.wynder@mcmail.vanderbilt.edu)  
Nathan Mowa: [cnmowa@neoucom.edu](mailto:cnmowa@neoucom.edu)  
Przemek Krawczyk: [p.krawczyk@amc.uva.nl](mailto:p.krawczyk@amc.uva.nl)

#### **Program Committee:**

Charles Frevert, Chair:  
[cfrevert@u.washington.edu](mailto:cfrevert@u.washington.edu)  
Gwen Childs: [childsgwenv@uams.edu](mailto:childsgwenv@uams.edu)  
Richard Burry: [burry.1@osu.edu](mailto:burry.1@osu.edu)  
Elizabeth Unger: [eru0@cdc.gov](mailto:eru0@cdc.gov)  
John Couchman: [j.couchman@ic.ac.uk](mailto:j.couchman@ic.ac.uk)  
Debra Hazen-Martin: [hazenmad@muscu.edu](mailto:hazenmad@muscu.edu)

#### **Publications Committee:**

Eduardo Rosa-Molina, chair: [ed@hpcf.upr.edu](mailto:ed@hpcf.upr.edu)  
Cornelius J.F. Van Noorden;  
[c.j.vannoorden@amc.uva.nl](mailto:c.j.vannoorden@amc.uva.nl)  
Hinke Multhaupt: [h.multhaupt@ac.uk](mailto:h.multhaupt@ac.uk)  
Denis Baskin, ex officio:  
[johc@u.washington.edu](mailto:johc@u.washington.edu)

### Administrative Offices

#### **Journal of Histochemistry and Cytochemistry**

##### **Editorial Office**

University of Washington School of Medicine  
Dept. of Biological Structure, Box 357420  
Seattle, WA 98195-7420  
Phone: 206-616-5894. Fax: 206-616-5842  
Email: [johc@histochemicalsociety.org](mailto:johc@histochemicalsociety.org)

##### **Editor-in-Chief**

Denis G. Baskin,  
Email: [baskindg@u.washington.edu](mailto:baskindg@u.washington.edu)

##### **Managing Editor**

Kim Borroni,  
Email: [kapb@u.washington.edu](mailto:kapb@u.washington.edu)

##### **Marketing and Subscriptions Manager**

Margaret McGough,  
Email: [mmcgough@histochemicalsociety.org](mailto:mmcgough@histochemicalsociety.org)

##### **Computer and Editorial Specialist**

Suzanne Paquette,  
Email: [johc@histochemicalsociety.org](mailto:johc@histochemicalsociety.org)

#### **The Histochemical Society**

##### **Administrative Office**

P.O. Box 85630, University Station  
Seattle, WA 98145-1630  
Phone: 206-616-5278, Fax: 206-616-5842  
Email: [mail@histochemicalsociety.org](mailto:mail@histochemicalsociety.org)

##### **Executive Director**

William L. Stahl,  
Email: [wlstahl@u.washington.edu](mailto:wlstahl@u.washington.edu)

##### **Executive Secretary**

Tanda Jaipean,  
Email: [tjaipean@histochemicalsociety.org](mailto:tjaipean@histochemicalsociety.org)

##### **Corporate Affairs Manager**

Stephen Carmichael,  
Email: [carmichael.stephen@mayo.edu](mailto:carmichael.stephen@mayo.edu)

### The HCS Newsletter

Newsletter Editor: Kelley Murphy  
Email: [Kelley.Murphy@hsc.utah.edu](mailto:Kelley.Murphy@hsc.utah.edu)  
Layout Editor: Kathy Stahl  
Email: [mail@histochemicalsociety.org](mailto:mail@histochemicalsociety.org)