



The Histochemical Society NEWSLETTER

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A Letter From the HCS President



Dear Friends and Colleagues,

Already 2007 is here, and the April meeting is getting closer. In turn this means that my term of office has entered its final few months. First let me wish you all a happy and successful New Year. This year's meeting promises to be an exciting one at Experimental Biology 2007. As a guest society of the American Society for Investigative Pathology (ASIP), The Histochemical Society has participated in the organization of workshops and a symposium. For the detailed program of the meeting please check <http://www.asip.org/mtas/eb07/>, and mark your calendar for April 28- May 2, 2007 to attend Experimental Biology 2007 in Washington DC. If you have not yet submitted an abstract, or if

you have some last minute exciting results, please submit your late-breaking abstracts by February 28, 2007. It's already time to make housing plans and register for the meeting.

Since this will be my last newsletter as President of The Histochemical Society, I would like to take this opportunity to thank everybody for their help and support during this time. It was a privilege to have worked with many of you. I particularly would like to thank our office in Seattle, with Bill Stahl at the helm. Once again, the staff has made sure that deadlines have been met, organization is taken care of, and my job made simple. I also would like to extend special thanks to Mark Sobel and Tara Snethen of the ASIP for their enthusiasm, help and superb organization for this joint meeting. It has been a pleasure to work with them.

Finally, as I think about handing over to Linda Sandell, who is President-Elect, I encourage all our members to take an active part in the Society. Even as science changes and new techniques emerge, still the role for our Society persists and perhaps even enlarges. I would especially ask the more senior members to encourage their students and



Visit The HCS Website
and
2007 Meeting Website

www.histochemicalsociety.org
www.histochemistry2007.org

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postdocs to attend our meetings. These meetings are known for their convivial atmosphere and friendly interactions, and most importantly, they provide a good platform for younger members to gain experience of international meetings. There are travel grants available to assist their attendance. Moreover, the future is in their hands, we need young members to get involved in Committee work.



The Histochemical Society Officers

President

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

President-Elect

SANDELL, Linda
Washington University School of
Medicine
E-mail: sandell@wudosis.wustl.edu

President-Elect Designate

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

Past-President

MAZURKIWICZ, Josph E.
Albany Medical College
E-mail: mazukj@mail.amc.edu

Secretary/Treasurer

FREVERT, Charles W. (2006-2009)
VA Medical Center, Seattle
E-mail: cfrevert@u.washington.edu

Councilors

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

MURPHY, Kelley (2003-2007)
University of Utah
E-mail: kmurphy@genetics.utah.edu

NANCI, Antonio (2003-2007)
Univeristyof Montreal
E-mail: antonio.nanci@umontreal.ca

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 if Puerto Rico-Rio Piedras
E-mail: ed@hpcf.upr.edu

WIGHT, Thomas (2006-2010)
Benaroya Research Institute
twight@benaroyaresearch.org

SHI, Shan-Rong (2006-2010)
University of Southern California
ssh@hsc.usc.edu

Executive Director

STAHL, William L.
E-mail: mail@histochemicalsociety.org

HCS President's Letter

This ensures the health and vibrancy of our Society and makes sure that our programs reflect the changes and needs of our scientific community in the coming decade.

I hope to see you all at EB2007 in Washington DC. It has been a pleasure and privilege to follow in the footsteps of some great histo-

chemists as President, and I wish you and the Society well for the future.

With best wishes,
Hinke Multhaupt
President

2007 Meeting Sponsors

The Histochemical Society appreciates the following sponsors for their generous support of the HCS program at EB2007.

Nikon Instruments, Inc.
Jackson ImmunoResearch Laboratories, Inc.
PhenoPath Laboratories, PLLC
EY Laboratories, Inc.

Special Registration Instructions for EB 2007

The HCS symposia and workshops shown in this newsletter and on the HCS webpage (www.histochemistry2007.org) are components of the EB2007 meeting since HCS has guest society status with the American Society of Investigative Pathology. Registration for the meeting provides access to EB2007 as a whole. However, most of the HCS activities will occur on Sunday April 29th and Monday April 30th.

In order to register and make hotel reservations for the meeting go to the American Society for Investigative Pathology site (www.asip.org) and use the pull down menus to register for the meeting, make hotel reservations and submit abstracts. Abstracts submitted by HCS members will be managed by Experimental Biology 2007 and will be selected by a program committee consisting of ASIP and HCS for either oral or poster presentations at the meeting.

You may either register on-line or download a PDF and mail in the registration form.

IMPORTANT: You may belong to one or more FASEB Societies as well as HCS. Check all relevant societies under "Member Registration". On the registration form it is important that you go to the Pathology Society section under "Member Registration" and check the HCS box so that you are recognized as an HCS member.



Message from the Executive Director

Dear Members,

The purpose of our Society is to advance the science of histochemistry and cytochemistry. We do this through publication of the *Journal of Histochemistry and Cytochemistry*, through organization of scientific meetings, and through mentorship and promotion of a diverse group of young scientists entering the field.

Although Society finances currently support these activities, it is time to plan for changes that will occur in the near future. Through the years, the activities of the Society have been subsidized by substantial financial contributions from the Journal. These subsidies include help with annual meeting expenses, and support for student travel awards. Member dues alone are insufficient to support these activities.

My concern is that the publication and finances of scientific journals are now in a period of transition. Library subscriptions for journals are declining, the number of new research publications continues to rise, forcing difficult choices for institutional libraries, and Open Access publishing is growing. The NIH instituted its Public Access policy in 2005 requesting full access to published articles within six months of publication and the Federal Research Public Access Act, if passed in 2007, will make the release mandatory.

All of the fore-mentioned actions but particularly Open Access publishing will have far-reaching and unexpected consequences on publication of research papers in journals owned by both large and small non-profit scientific societies. Taking actions now to maintain a viable, high-quality journal and to secure JHC's financial stability in a rapidly changing environment is critically important.

This leaves the Society with extremely important and delicate questions. If the Society decides to no longer depend on the Journal for infusion of funds from time to time, how does the Society continue support of its essential activities and initiatives? What are the vulnerabilities of the Society? What mechanisms can the Society institute to safeguard against these vulnerabilities?

Our first priority should be the HCS annual meeting. In order to deal with these concerns about support for functions associated with the annual meetings, HCS Council has approved a plan to establish a Legacy Endowment Program. This will provide an opportunity for our members to contribute to a fund that will support annual meeting activities. These funds will be targeted towards an endowed scientific session at our annual meeting, provide travel support for students and possibly to fulfill other specific needs identified by the Legacy Committee of HCS. This is a wise way to help plan for future viability of these HCS programs.

Final details about the Legacy Program are near completion but tax-deductible contributions may be made on a one time basis, or annually, or through bequests in wills. The documents for bequests will be available in the HCS Business Office and will be found soon on the HCS webpage. Optional tax-deductible contributions can also be made when annual dues are paid, beginning with the next cycle of payments.

The Legacy Program is one important part of planning for the future but is only part of the ongoing discussion in Council of how to approach future needs of the Society. I am optimistic about the future of the Journal and The Society but it is prudent that we prepare in many ways to accommodate the changes that are ahead. Your input about priorities for the Legacy Fund and future resources for the Society would be greatly appreciated.

I look forward to seeing you at EB2007 and encourage you to attend HCS functions, including scientific sessions and the Business Meeting. Please consider discussing with myself or members of Council all of the items I have brought to your attention today.

Bill Stahl

Executive Director
February 2007



Histochemistry 2007 Preliminary Schedule

Sunday, April 29, 2007

Workshop 8:30-11:30AM

Tissue Banking and Sample Preparation

Washington D.C. Convention Center, Room 149A

Mentoring Luncheon 11:45AM-1:45PM

Dancing with Journals: A guide to Submission and Review

Renaissance Washington D.C. Hotel, Renaissance West

Monday April 30, 2007

Symposium 8:30-11:30AM

Trends in Experimental Pathology: Imaging and Histochemistry

Washington D.C. Convention Center, Room 140A

Journal of Histochemistry and Cytochemistry Editorial Board Meeting

(Open Meeting) Refreshments

12:00-2:00PM

Renaissance Washington D.C.

Workshop 2:00-5:00PM

Tissue Fixation for Molecular Analysis in Pathology and Cell Biology

Washington D.C. Convention Center, Room 140A

The Histochemical Society Business Meeting 5:30-7:00 PM

5:30PM *HCS Outstanding Young Investigator Award Presentation*

6:00PM *Business Meeting, other Awards, Reports and Announcements*

(Open Meeting) Refreshments

Renaissance Washington D.C. , Rooms 12-14

Important Deadlines

Late-Breaking Abstracts

February 28, 2007

Submit Late-Breaking Abstracts for the EB2007 Meeting.

Go to: www.EB2007.org

Early Meeting Registration

March 2, 2007

Go to: www.EB2007.org.

After March 2nd a higher registration fee will be imposed.



Workshop

Tissue Banking and Sample Preparation

Sunday, April 29, 2007 • 8:30-11:30AM
Washington D.C. Convention Center, Room 149A

The workshop will provide a high level introduction to the general concepts and current issues in the initiation, maintenance, and use of a repository of human material for research applications. It is expected to be of interest to cross-discipline, basic and transitional molecular research scientists in government, academic and hospital settings.

Chaired: **Gavin J. Gordon**, Brigham and Women's Hospital, Harvard Medical School
and
Hinke A. B. Mulhaupt, Imperial College, London, UK

Speakers:

Regulatory aspects of tissue banking

Mark E. Sobel, American Society for Investigative Pathology, Rockville, MD

Logistics/information systems database issues

William G. Richards, Harvard Medical School, Cambridge, MA

Pathologist perspective/quality control

William K. Funkhouser, University of North Carolina, Chapel Hill, NC

Example of a practical application of tissue banking: tissue arrays in biomedical research

Stephen M. Hewitt, National Cancer Institute, NIH, Bethesda, MD

Sample preservation in blood based repositories

Kathi Shea, BBI Biotech Research Laboratories, Gaithersburg, MD

Mentoring Luncheon: Dancing with Journals: A guide to Submission and Review

Sunday, April 29, 2007, 11:45-1:45 PM
Renaissance Washington DC Hotel, Renaissance West

Invite your students to attend this free luncheon sponsored by HCS and other societies at EB2007.

FREE to associate (student) members of HCS if registered by March 21, 2007. (Visit the ASIP site, www.ASIP.org, to download a PDF with detailed information.)

The goal is to help students understand the publication process: to improve chances of publication, identify the best journal for manuscripts, provide guidance in preparing the cover letter for manuscripts and to understand many of the ins-and-outs of scientific publication.



Symposium

Trends in Experimental Pathology: Imaging and Histochemistry

Monday April 30, 2007 • 8:30-11:30 AM

Washington D.C. Convention Center, Room 140A

The symposium will provide insights into some new optical imaging techniques relevant to the experimental and molecular researcher. Topics such as live cell digital fluorescence microscopy, including confocal microscopy, fluorescence resonance energy transfer (FRET), fluorescence lifetime microscopy (FLIM), and whole-body real time imaging will be covered.

Chaired: Hinke A. B. Multhaupt, Imperial College, London, UK

and

Elizabeth R. Unger, Centers for Disease Control, Atlanta, GA

Speakers:

3D quantitative imaging of nuclear organization for research and diagnosis purposes

Sophie A. Lelievre, Purdue University School of Veterinary Medicine, West Lafayette, IN

Live imaging of cell signalling dynamics at immune cell membranes using advanced fluorescence microscopy FRET and FLIM

Tony I. Magee, Imperial College London, London, UK

Visualization of cell-extracellular matrix interactions and signaling

John Couchman, Imperial College London, London, UK

Whole-body subcellular imaging of tumor host interaction and drug response in real time

Robert M. Hoffman, AntiCancer, Inc., San Diego, CA

Workshop

Tissue Fixation for Molecular Analysis in Pathology and Cell Biology

Monday, April 30, 2007 • 2:00-5:00 PM

Washington D.C. Convention Center, Room 140A

This workshop will focus on principles relevant to the recovery of nucleic acids and proteins for molecular analysis from archival tissue.

Chaired: Denis Baskin, VA Medical Center and University of Washington, Seattle, WA

and

Shan-Rong Shi, University of Southern California, Los Angeles, CA

Speakers:

The use of tissue surrogates to study formaldehyde fixation of proteins

Jeffery Mason, Armed Forces Inst. Pathology, Rockville, MD

Ethanol-based fixation as an alternative to formaldehyde

Chris Umbricht, Department of Surgery, Johns Hopkins University, Baltimore, MD

The molecular mechanisms of antigen retrieval

Steven Bogen, Boston University School of Medicine, Boston, MA

PCR of formalin fixed tissues: fixed DNA is damaged DNA

Darryl Shibata, University of Southern California, Los Angeles

Chemistry of formaldehyde fixation for preservation of nucleic acids

Timothy J. O'Leary, Department of Veteran's Affairs, Washington D.C.

Molecular Pathology of formalin-fixed, paraffin embedded material

Robert Y. Osamura, Tokai University School of Medicine, Isehara, Japan



Spotlight on:

HCS Outstanding Young Investigator John J. Shacka



John J. Shacka has been a member of the Society for three years and is the most recent recipient of the “HCS Outstanding Young Investigator Award”, presented at the 2006 meeting in Hawaii.

John’s career in science began as an undergraduate at Virginia Tech in Blacksburg, VA with degrees in 1991 in Biochemistry and Biology. While at Virginia Tech, John worked in the laboratory of Dr. Neal Castagnoli in the Department of Chemistry, whom John considers his “first true mentor.” In Dr. Castagnoli’s lab John injected mice with analogs of the dopaminergic neurotoxin MPTP and performed HPLC analyses for brain levels of dopamine and its metabolites. From 1992 to 1997 John completed his graduate work at the Medical College of Virginia Campus of Virginia Commonwealth University in Richmond, VA. Under the training of Dr. Susan E. Robinson in the Department of Pharmacology and Toxicology, John received his Ph.D. studying the effects of prenatal nicotine exposure in rats on their postnatal development.

John’s current interest in neuron death began in 1998 when he was awarded the prestigious Pharma-

cology Research Assistant Traineeship (PRAT) fellowship through the NIH, where John worked until 2000 in the lab of the late Anita B. Roberts, co-discoverer of the cytokine TGF- β , studying its protective effects against oxidative stress-induced neuron death. To further his training in the field of oxidative stress, John began his second postdoctoral fellowship at The University of Alabama at Birmingham (UAB) in 2000 in the laboratories of Joe S. Beckman and Alvaro G. Estevez, where he studied regulation of peroxynitrite-induced apoptosis by kinase signaling pathways in PC12 cells. It was during his studies of peroxynitrite-induced cell death when John began to question the importance of multiple types of cell death in addition to apoptosis, which led him in part to join the laboratory of Society member Kevin A. Roth at UAB in 2003.

In the last three years John’s career has focused on models of autophagic stress-induced neuron death and neurodegeneration. Autophagic stress is a response of cells to stressful stimuli which if persistent leads to the induction of cell death; these stimuli include nutrient deprivation and organelle dysfunction that results in the increased accumulation of intracellular vesicles termed “autophagic vacuoles”. An often confusing aspect in the study of autophagic cell death is that it can exhibit features of both apoptosis and necrosis, thus blurring the lines on how to properly characterize this form of cell death in comparison to classical apoptosis and necrosis, which occur in the absence of autophagic vacuole accumulation. In particu-

lar, John is curious in delineating the intracellular signaling events that are generated by autophagic stress and result in the regulated death of neurons. John is currently investigating the role of autophagic stress-induced neuron death in models of acute neuronal injury, neurodegeneration and normal human aging.

John’s career has flourished under the guided mentorship of Kevin Roth as evidenced by several first author and co-authored manuscripts in the last three years as a member of his laboratory. John recently established his own laboratory as an Instructor in the Department of Pathology, Neuropathology Division, and remains a close collaborator of Dr. Roth’s laboratory. To date John has received research funding from the Batten Disease Support and Research Association and has several grants currently in review. As a member of the HCS, John is keen on becoming more involved with the Society and has accepted recent invitations to serve on both the Awards and Membership Committees.

John has been happily married to his wife Sonya for six years, who is an Assistant Professor in the Department of Medicine at UAB. Together they have a one-year old son named Benjamin, born on Christmas Day, 2005. In his spare time, John enjoys spending time with his pets (two cats named Fat Kitty and DJ and a Welsh Corgi named Jake), watching Virginia Tech football, gardening (a certified Alabama Master Gardener) and marathon training.



Member in the Spotlight:

Allen M. Gown, MD



Dr. Gown is a pathologist-scientist recognized as one of the world's leading experts in the diagnostic applications of immunohistochemistry (IHC). After receiving his MD from the Albert Einstein College of Medicine in New York, Dr. Gown moved to Seattle with his wife, Carol, where he completed his Anatomic Pathology residency at the University of Washington School of Medicine. He subsequently became a postdoctoral fellow in the laboratory of Dr. Earl P. Benditt, where he became one of the early enthusiasts of hybridoma antibody generation for the development of diagnostic and research reagents. Dr. Gown then joined the faculty of the University of Washington, Department of Pathology, where he established the Diagnostic

Immunocytochemistry Laboratory, which became a local reference laboratory for Seattle area pathologists. For much of this time Dr. Gown also maintained an NIH grant funded research laboratory and collaborated with many investigators at the University of Washington, focusing on immunohistochemical studies related to atherosclerosis. In the mid to late 1980s, Dr. Gown collaborated with Dr. Art Vogel on developing numerous monoclonal antibodies targeted for clinical use, many of which are still widely used around the world (e.g., HMB-45, 34 β E12, HHF35).

In 1997, Dr. Gown left the University of Washington to found PhenoPath Laboratories, which has since developed into a well respected physician-owned and -operated national reference pathology laboratory that provides immunohistochemistry, in situ hybridization, flow cytometry, and molecular testing services. PhenoPath Laboratories is a unique non-university based pathology reference laboratory. Dr. Gown and his colleagues continue to be at the forefront of clinical investigative studies employing IHC and other modalities, collaborating with investigators worldwide and giving lectures and

workshops both nationally and internationally.

Dr. Gown has contributed extensively to the expanding horizons of immunohistochemistry with over 200 peer-reviewed publications in major journals. Dr. Gown is currently completing a textbook of diagnostic immunohistochemistry in collaboration with Dr. Carlos Bacchi of Brazil. Dr. Gown is currently Clinical Professor of Pathology at the University of British Columbia, Vancouver, BC, and an Affiliate Investigator in the Clinical Research Division of the Fred Hutchinson Cancer Research Center, Seattle, WA. Dr. Gown is also internationally known for his expertise in breast pathology, and sits on several national committees addressing current issues and standardization of marker testing in breast cancer.

Dr. Gown has served as president of The Histochemical Society and currently sits on the editorial board of the Journal of Histochemistry and Cytochemistry, in addition to several other major pathology journals. He is also the Senior Editor of Clinical Cancer Research and Associate Editor of Applied Immunohistochemistry and Molecular Morphology.

Future Meetings of The Histochemical Society

2008

Joint with the American Society of Biochemistry and Molecular Biology
at Experimental Biology 2008
San Diego Convention Center
April 5-9, 2008

2009

Joint with the American Association of Anatomists
at Experimental Biology 2009
New Orleans Convention Center
April 18-22, 2009



Meet The Journal Staff: Assistant to the Editor-in-Chief



Angela Schmeckebier

With the appointment of Dr. Kevin A. Roth as Editor-in-Chief of *The Journal of Histochemistry and Cytochemistry* (JHC) in 2006, the JHC has established an Editorial Office at the University of Alabama at Birmingham (UAB). Ms. Angela Schmeckebier has been appointed to the position of Assistant to the Editor-in-Chief and serves as a liaison between the Editorial Office and the JHC Publication Office in Seattle.

Angie brings a wealth of administrative and financial experience to the position. She has worked with

Dr. Roth for over ten years and is currently the Administrative Associate for the UAB Division of Neuropathology, the UAB Comprehensive Neuroscience Center, and the Alabama Neuroscience Blueprint Core Center.

Angie is a member of the Council for Scientific Editors and is completing her degree in Business Administration at UAB. In her spare moments, Angie enjoys spending quality time with her husband Glenn, son John, and rooting for the St. Louis Rams, her favorite football team.

HCS Awards to be Presented at Annual Meeting

The following awards will be presented at EB2007 by The Histochemical Society at the Business Meeting in Washington, D.C. on Monday, April 30, 2007, 5:30-7:00PM

George Gomori Award.

Paul Nakane, Ph.D. California Polytechnic State University, San Luis Obispo, California

HCS Outstanding Young Investigator Award:

Atsuko Yoneda, Ph.D., Nat. Heart and Lung Inst., Imperial College London

Ralph Lillie Award

To be announced at meeting

Vector Laboratories Outstanding Young Investigator Award

To be announced at meeting

Travel Awards

Atsuko Yoneda, Ph.D., Nat. Heart and Lung Inst., Imperial College London

K. C. Walls, Ph.D., Dept. Cell Biology, University of Alabama Birmingham

Ying Geng, Dept. Pathology, University of Alabama Birmingham

Jingxin Qiu, Ph.D, M.D., Dept. Pathology, Univ. Florida, Gainesville

Philippe Cammisotto, Ph.D., Dept. Pathology & Cellular Biology, Univ. Montreal

Julian Laubenthal, Life Sciences Div., Univ. California, Berkeley Nat. Lab.

Ronak Talati, Cardiovascular Sciences, Albany Medical College



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Gloria Hoffman
University of Maryland Baltimore

Eduardo Rosa-Molinar
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John Shacka
University of Alabama Birmingham

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Linda Sandell
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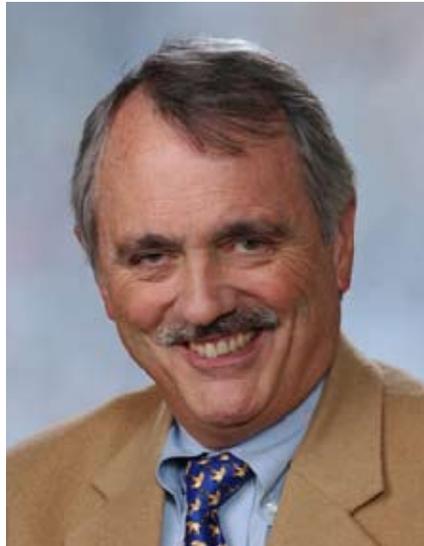
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Ron Van Noorden, ex officio
University of Amsterdam

Nancy Sawtell
Childrens Hosp. Med. Ctr. Cincinnati

**HCS Past-President Stephen Carmichael
Honored by American Association of Anatomists**



We congratulate our colleague Stephen W. Carmichael for being named as an American Association of Anatomists Fellow.

The award honors distinguished members of AAA who have demonstrated excellence in science and in their overall contributions to the anatomical sciences.

The Award will be presented on Tuesday, May 1, at the AAA/Wiley Awards Banquet at the Experimental Biology 2007 in Washington, D.C. Stephen is a Past President of the Histochemical Society and is currently Professor and Chair Emeritus of the Department of Anatomy at Mayo Clinic and Editor-in-Chief of *Clinical Anatomy*.

Administrative Offices

Journal of Histochemistry and Cytochemistry

Editorial Office

Dept. of Pathology
University of Alabama at Birmingham
1530 Third Ave S, SC 961E
Birmingham, AL 35294-0057
Phone: 205-934-8344
Fax: 205-934-6700
Email: johc@u.washington.edu

Editor-in-Chief

Kevin Roth
Email: johc@u.washington.edu

Editorial Assistant

Angela L. Schmeckebier
Email: alsigigi@uab.edu

Publication office

University of Washington School of Medicine
Dept. of Biological Structure, Box 357420
Seattle, WA 98195-7320
Phone: 206-616-5894 Fax: 206-616-5842
Email: johc@histochemicalsociety.org

Executive Editor

Denis G Baskin
Email: baskindg@u.washington.edu

Marketing and Subscriptions Manager

Margaret McGough
Email: mmcough@histochemicalsociety.org

Computer and Editorial Specialist

Suzanne Paquette

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

Executive Director

William L. Stahl
Email: mail@histochemicalsociety.org

Executive Secretary

Tanda Jaipean
Email: tjaipean@histochemicalsociety.org

Newsletter Editor: Kelley Murphy

Layout Editor: Kathy Lynn Stahl