



# The Histochemical Society NEWSLETTER

Spring 2004

An Official Publication of The Histochemical Society

## A Letter From the President



As I write it is the beginning of March, and the first signs of spring are all around. It is, therefore, less than five months to the 12<sup>th</sup> International Congress of Histochemistry & Cytochemistry, to be held on the campus of The University of California, San Diego. July 24-28 are dates that have been etched on my mind for some time, as the organization of the meeting has taken shape.

We are now putting the finishing touches to the meeting structure, but fund raising and local organization continues. I hope you have submitted an abstract or two, and are registered. I am very pleased with the science, speakers, program and location. Despite the concerns of keeping the planning on track, I can say I am looking forward to the event. We have been fortunate to attract some outstanding speakers for a wide range of topics, including many that would not appear in a more focused, cell biology meeting for example.

This is the value of The Histochemical Society. Nowhere else, for my money, is this combination of good science, "how-to" workshops, and a unique camaraderie. The future for the Society should remain bright. Imaging cells, physiological processes and molecular events are keys to modern biomedical and biological science.

I was introduced to The Society by a past-president, and was somewhat sceptical about the value that membership would bring. Would it provide anything that membership in Cell Biology societies could not? The answer is certainly affirmative. There is a core of knowledge and expertise that members are pleased to share. The Histochemical Society does provide a different viewpoint on the practice of science, as exemplified by its meetings, and I have been honoured to play a part. The future of the Society is in the hands of today's young scientists. I urge anyone who is wondering

about the HCS to get involved, and help shape future meetings and the evolution of technical advances that will take our fields forward.

Behind every meeting is a group of essential, hard-working people. I would be nowhere without the friendship and organizational skills of Dr. Bill Stahl, the Society's Executive Director, and long-time friend and past President of the HCS. His help has been indispensable, as has that of his colleagues Meg McGough and Tanda Jaipean. I thank them for all their help in the past, and yet to come, as the International Congress draws closer. Many colleagues have given generously of their time to organize sessions and offer important suggestions. I thank them also. Thanks finally to you, for supporting The Histochemical Society. I look forward to seeing you in San Diego and at future meetings of the Society.

Best wishes.

*John Couchman*

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

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# 2004 Annual Election

## Election News

The following biosketches are of candidates for the positions of President-elect-designate (president in 2007), Treasurer (2004-2007) and for Councilor (2004-2008).

All members in good standing will receive a ballot by email which should be either filed by email or printed and returned to the Histochemical Society office by fax. Please follow the instructions carefully that accompany the ballot. Deadline for completing ballot: May 28, 2004



### President-Elect-Designate Candidate

#### Joseph E. Mazurkiewicz

Professor, Ctr. Neuropharmacology and Neuroscience, Albany Medical College, 1987-present.

**Education and positions held:** B. A., Univ. of Massachusetts, Amherst, 1966; M. S. Arizona State Univ., 1970; Ph.D. Univ. of Colorado Health Science Center, 1973 – Experimental Pathology; NIH Post-doctoral fellow, Anatomy, Yale Univ. Sch. of Medicine, 1973-75; Research Assoc., Cytology and Cell Biology, Yale Univ. Sch. of Medicine, 1975-78; Assistant Prof. 1978-87, Dept. of Anatomy, Cell Biology, and Neurobiology, Albany Medical College; 1991 – Fogarty Senior International Fellow at the Inst. of Pathology, London Hospital Medical College, London, UK; Council, The Histochemical Society, 1997-2000; Secretary, The Histochemical Society, 2000-present.

**Research Interests:** Intracellular proteolytic systems (ubiquitin-dependent and lysosomal) in neurodegeneration; regulation and expression of proopiomelanocortin peptides in the skin and their role in modulation of pain pathways; multiphoton confocal fluorescence microscopy; cryoelectron microscopy and immunogold; immunoperoxidase techniques; in situ histology.

# 2004 Annual Election



## Treasurer Candidate

### Kevin Roth

Professor and Director, Division of Neuropathology, University of Alabama Birmingham, 2002-Present.

**Education and Training:** B.S., Univ. of Michigan, 1979; M.D., Stanford Univ. School of Medicine, 1985; Ph.D., Neuroscience, Stanford Univ. School of Medicine, 1985. Resident, Dept. of Pathology, Washington Univ. (1985-1988). Neuropathology Fellow, Washington Univ. (1988-1989).

**Positions Held:** Asst. Prof., Dept. of Pathology, Washington Univ. (1989-1994); Asst. Prof., Dept. of Molecular Biology and Pharmacology, Washington Univ. (1991-1994); Assoc. Prof., Depts. of Pathology and Molecular Biology and Pharmacology, Washington Univ. School of Medicine, 1994-2001; Professor, Dept. of Pathology and Molecular

Biology and Pharmacology, Washington Univ., 2001-2002; Professor and Director, Division of Neuropathology; University of Alabama at Birmingham, 2002-Present

**Honors:** Graduated with highest honors, Univ. of Michigan (1979); Medical Scientist Training Program Fellow, Stanford Univ. (1982-1985); Markey Charitable Trust, New Faculty Recruitment Award, Washington Univ. School of Medicine (1989-1992); Lecturer of the Year, Washington Univ. School of Medicine (1992, 93, 94); Distinguished Teaching Service Awards, Washington Univ. School of Medicine (1992-98); Weil Award for Experimental Neuropathology, Am. Assoc. of Neuropathologists (1995); Weil Award, Honorable Mention, Best Paper on Neuro-Oncology, Amer. Assoc. of Neuropathologists (1998)

**Editorial Board:** J. Neuropathology and Experimental Neurology (1997-present). Associate Editor - American J. Pathology (2003-Present); Associate Editor - J. Histochem. Cytochem. (2003-Present)

**Member:** Society for Neuroscience (1990-present); International Academy of Pathology (1990-present); Amer. Assoc. of Pathologists (1991 -present); Amer. Assoc. of Neuropathologists (1991-present); International Society of Neuropathologists (1992-present); The Histochemical Society (1996-present) (treasurer, 2001-2004); American Society for Investigative Pathologists (1992-Present)

**Research Interests:** Regulation of neuronal apoptosis during development and neuropathological conditions; chemical, immunohistochemical, and in situ hybridization methods development; Tyramide signal amplification.

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## Search for New Editor of The Journal of Histochemistry and Cytochemistry

Denis Baskin has served as the editor of The Journal since 1996. He has declined to continue beyond the current term, which extends through 2006. We have therefore, established a search committee under the leadership of Mark Willingham, a Past-President of HCS. He has enlisted the help of three fellow Past-Presidents, Theresa Pretlow, Dale Abrahamson and Steven Carmichael to assist in this vitally important process. The committee conducted a site visit of The Journal office in Seattle on March 22<sup>nd</sup>. The committee will soon be placing advertisements for this position.

# 2004 Annual Election



## Councilor Candidate

### Robert Y. Osamura

Professor of Pathology, Tokai University School of Medicine, Isehara, Kanagawa Japan

**Education and positions held:** M.D., Keio University School Medicine, 1970; Resident of Pathology University of Colorado, 1970-1973; Research Fellow with Paul K. Nakane at Department of Pathology, University of Colorado, 1973-1974; Clinical Fellow of Pathology, Henry Ford Hospital, Detroit Michigan, 1974-1975; Instructor of Pathology, Tokai University School of Medicine, 1975; Assistant and then Associate Professor of Pathology Tokai University School of Medicine 1975-88; Professor of Pathology

Tokai University School of Medicine, 1988-present; Associate Dean, Tokai University School of Medicine, 1996-present

**National responsibilities:** Chairman: The Japan Society of Histochemistry and Cytochemistry (JSHC); Vice Chairman, The Japanese Society of Pathology; Member of Executive Board: The Japanese Society of Clinical Cytology; The Japan Endocrine Society; Editorial Boards: *Journal of Histochemistry and Cytochemistry* (JHC), *Acta Histochemica et Cytochemica* (AHC), *Endocrine Pathology* (Associate Editor), *Modern Pathology*, *Applied Immunohistochemistry and Molecular Morphology* (AIMM), *Pathology International*

**International responsibilities:** President (JSHC) for the 6<sup>th</sup> Joint US-Japan Joint Meeting of the Japanese Society of Histochemistry & Cytochemistry (JSHC) and The Histochemical Society (HCS), Seattle, July 2002; President, the Japanese Endocrine Pathology Society (JEPS), 2001; President, Endocrine Pathology Society (EPS), 1995, San Francisco; Ordinary member, the International Federation of Societies of Histochemistry and Cytochemistry (IFSHC); Vice President (Asia), International Academy of Pathology (IAP); Fellow, American College of Pathology (CAP).

**Research interests:** Technical developments: Immunohistochemistry, FISH, CISH immunoelectron microscopy, confocal laser scanning microscopy (CLSM), use of quantum dots (Qdots). Endocrine pathology: molecular mechanisms for the specific pituitary hormone production, diagnostic immunohistochemistry for neuroendocrine tumors, application of histochemistry to diagnostic tumor pathology, diagnosis of breast cancers.



## 2005 Annual Meeting in The Netherlands.

Plan to attend joint the meeting of The Histochemical Society and the Society for Histochemistry to be held from 27 –30 April 2005 at the Leeuwenhorst Hotel, Noordwijkerhout. The hotel is located in the world famous Keukenhol bulb field area. The time of the meeting coincides with the height of the blooming season. The hotel has excellent conference facilities and is easily reached from Schipol Airport.

The meeting is being organized by Ron Van Noorden and the theme will be, "Imaging Living Cells."

# 2004 Annual Election



## Councilor Candidate

### Eduardo Rosa-Molinar

Associate Professor of Biology, Julio Garcia Diaz Center for Investigations in Biology, University of Puerto Rico-Rio Piedras, San Juan, Puerto Rico 00931-1809.

**Education:** Doctor of Philosophy (Ph.D.), University of Nebraska Medical Center.

**Positions Held:** July 2003-present Associate Professor of Biology, Julio Garcia Diaz Center for Investigations in Biology, University of Puerto Rico-Rio Piedras, Rio Piedras, Puerto Rico, August, 1999-June 2003; Assistant Professor of Biology, Julio Garcia Diaz Center for Investigations in Biology, Department of Biology, University of Puerto Rico-Río Piedras, Río Piedras, Puerto Rico, July, 1997-July, 1999; Post-Doctoral Research Fellow in Neuroscience, Department of Biomedical Sciences, Creighton

University School of Medicine, Omaha, Nebraska.

**Local Responsibilities:** Seminar Coordinator, Leader, Biological Imaging Group.

**National Responsibilities:** Editorial Board (2004-present) *Molecular Development and Evolution*, Publisher: Wiley-Liss; Committee Member (2003-present) Federation of American Societies of Experimental Biology (FASEB) and Minority Access to Research Careers (MARC) Program Advisory Board; Editorial Board (2003-present) *Journal of Integrative and Comparative Biology*, Publisher: Society for Integrative and Comparative Biology; Program Committee (2003-present) Society for Integrative and Comparative Biology; Committee Member (2002-present); Publication Committee, The Histochemical Society.

**International Responsibilities:** Symposium Organizer (2004) Karger Workshop: "Hindbrain Development and Organization Revisited"; Workshop Organizer (2004) "Advances in Correlative Microscopy and Cellular Imaging: Labels to Dye For." 12<sup>th</sup> International Congress of Histochemistry and Cytochemistry, International Federations of Societies for Histochemistry and Cytochemistry.

**Honors and Awards:** Minority Fellowship Program in Neuroscience Distinguished Alumnus Award, American Psychological Association Minority Fellowship Program in Neuroscience/Association of Neuroscience Departments and Programs/National Institute of Mental Health. November, 2001.

**Research Interests:** Comparative and Evolutionary Neuroembryology, Cellular and Developmental Neuroendocrinology, Development of Neuroanatomical Tract-Tracing Probes and Techniques for Correlative Light and Electron Microscopy and Cellular Imaging.

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## ICHC 2004 Corporate Sponsors

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*Chemicon*

*Chroma Technology Corp.*

*Ciphergen Biosystems, Inc.*

*Genway Biotech*

*Molecular Probes*

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*Serono Pharmaceuticals*

*Vector Laboratories*

*Ventana Medical Systems*

*Zymed*

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## Member in the Spotlight



**Tibor Barka**

**Tibor Barka** received his M.D. degree from the University of Debrecen Medical School, Hungary, and later was Assistant Professor in the Medical School in Budapest. During the 1956 Hungarian revolution he escaped and went to Sweden as a political refugee. After spending two years at the Karolinska Institute (Stockholm), in the Institute for Cell Research and Genetics led by Professor T. Caspersson. He immigrated to the United States and joined the Department of Pathology of Mount Sinai Hospital, New York City. With the establishment of the Mount Sinai School of Medicine in 1966, Dr. Barka became Professor of Pathology, and in 1967 he became Professor and Chairman of the Department

of Anatomy, a position he held till 1986. Presently, he is a Professor in the Departments of Anatomy and Functional Morphology and Pathology at Mount Sinai where he continues to maintain an active research program

Dr. Barka's entire scientific career is interwoven with the development and application of histochemistry. He pioneered development of quantitative histochemical methods by introducing a radioactive isotope into the classical Gomori method for alkaline phosphatase in 1951. A paper of Tibor's on acid phosphatase histochemistry in 1962 became an All-Time ISI Citation Classic. He is the author of three textbooks of histochemistry, including the classic *Histochemistry*,

which he co-authored with Paul Anderson in 1963. and is ranked 17<sup>th</sup> among the most cited books by researchers in Biochemistry and Biomedicine for 1961-1972. In 1992 he co-edited, with K. Ogawa, the textbook of Electron Microscopic Cytochemistry and Immunocytochemistry in Biomedicine. During his long scientific career, from medical school to the present, he and his co-workers published widely on the reticuloendothelial system, on various aspects of liver diseases, on functions of lysosomes, on the hypertrophic and hyperplastic effects of isoproterenol on the salivary glands, on the role of biologically active peptides in the submandibular gland of the mouse and on cystatins in the salivary and lacrimal glands and in human tears. His most recent work employs retrovirus-mediated gene transfer into the salivary glands and TAT-mediated protein transduction.

From the earliest days of his scientific career in the United States, Dr. Barka became active in The Histochemical Society. He was first a councilor and was elected President of The Histochemical Society in 1980. He followed Ralph Lillie as the second editor of *The Journal of Histochemistry and Cytochemistry*, serving from 1965-1973. He is now Editor Emeritus of *The Journal of Histochemistry and Cytochemistry*, and continues to serve actively on the Editorial Board.

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### ICHC 2004 Sponsoring Societies and Journals

*Acta Histochemica*

*Acta Histochemica et Cytochemica*

*Applied Immunohistochemistry  
and Molecular Morphology*

*European Journal of  
Histochemistry*

*Francis and Taylor*

*Histochem & Cell Biology  
(Springer Interantional)*

*Journal of Histochemistry and  
Cytochemistry*

*Stichting Histochemie*

*The Histochemical Society*

# International Congress of Histochemistry and Cytochemistry 2004

**Location:** Price Center on the campus of the University of California San Diego at La Jolla  
**Host:** The Histochemical Society

## Abbreviated Schedule

Please refer to a detailed schedule at the meeting webpage: [www.ichc2004.org](http://www.ichc2004.org).

### **Saturday, 24 July.**

Check-in to housing.

Meeting registration and pickup of conference materials begins at noon at the Price Center.

First Meeting of Delegates of IFSHC.

Keynote lecture by Roger Tsien at 4:30 PM.

Evening: welcome reception at Price Center

### **Sunday, 25 July.**

Breakfast meeting: *The Journal of Histochemistry and Cytochemistry* Editorial Board.

Scientific sessions, workshops, posters, exhibits.

### **Monday, 26 July.**

Scientific sessions, workshops, posters, exhibits

### **Tuesday, 27 July.**

Breakfast: Second Meeting of Delegates of IFSHC.

Scientific sessions, workshops, posters. Exhibits close in afternoon.

Histochemical Society Business Meeting.

Banquet at Birch aquarium at Scripps.

### **Wednesday, 28 July.**

Scientific sessions, workshops, posters.

IFSHC Business Meeting and closing ceremony in afternoon.

Closing Reception at Price Center.

### **Thursday, 29 July.**

Check-out from on-campus housing.

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Although this general schedule is considered accurate, last-minute changes may occur and you should refer to the webpage ([www.ichc2004.org](http://www.ichc2004.org)) for updates. The abstracts and program books will be distributed at check-in at the registration table for the meeting at the Price Center. The final program and a file of all abstracts will be available on-line about one month prior to the meeting.

## Meet The HCS Staff



### Suzanne Paquette

Suzanne Paquette is the Editorial Assistant for *The Journal of Histochemistry and Cytochemistry* editorial office. She graduated from the University of Arizona in Molecular and Cellular Biology and is now working on her second bachelor's in Computing and Software Systems at the University of Washington. Suzanne began

as the editorial assistant in 1999 and has since added computer and network administration to her job description. She assists Managing Editor Kim Borroni with manuscript submission and publication and manages all aspects of our computer system. JHC's editor Denis Baskin calls her the Editorial Assistant of

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the future, "Suzanne combines excellent scientific knowledge with outstanding computer expertise".

When Suzanne is not helping us maintain our computer and editorial sanity, she is off photographing the Northwest. Flowers are a particularly favorite subject. Suzanne also enjoys hiking, gardening and is the office resident cinemaphile.

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