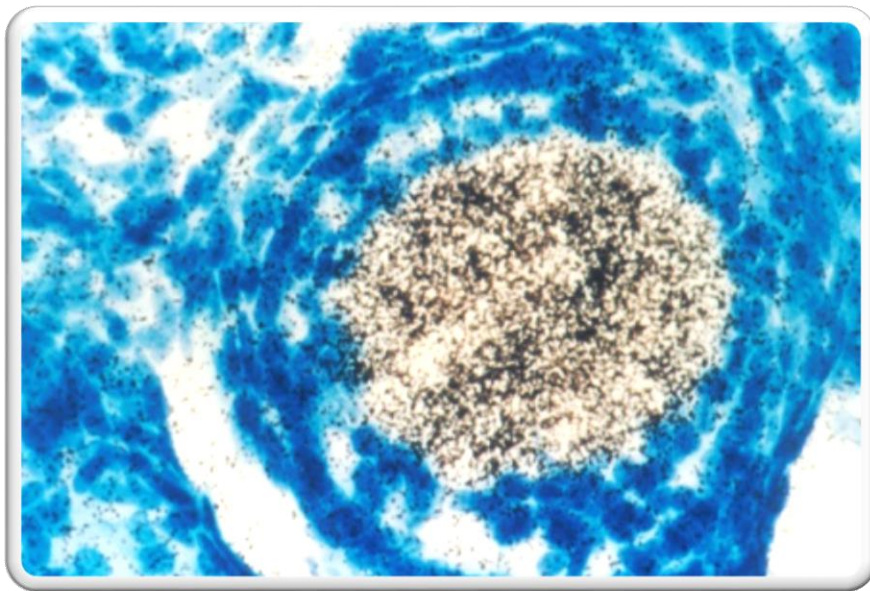


SOCIETY FOR HISTOCHEMISTRY
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SOCIETY FOR HISTOCHEMISTRY

NEWSLETTER 2015



www.histochemistry.eu

Dear Members of the Society,

It is my great pleasure to update you with our recent activities as well as with our future activities in the Society for Histochemistry.

The Society's traditional annual Symposium was organized in 2014 as a special symposium "Advances in immunohistochemistry and cytochemistry" at the 18th International Microscopy Congress in Prague. This year's symposium will be organized in collaboration with the Wilhelm Bernhard workshops.

In this newsletter, we also bring information on the Histochemistry and Cell Biology, the official journal of the Society, prepared by Prof. Jürgen Roth, Editor-in-Chief.

I would like to invite you to update your membership data in a new on-line database. The new membership database will allow us to keep you informed about all Society's activities and will also facilitate the networking among its members.

The applications for the Robert Feulgen Prize 2015 are still accepted. Do not hesitate to submit your application. The deadline is 31 January 2015.

Klara Weipoltshammer

president

We are happy to welcome our new member in the Society:

- Tomas Venit, Institute of Molecular Genetics, Academy of Sciences of the Czech Republic

**[PLEASE CLICK ON THE LINK AND INSERT YOUR MEMBERSHIP DATA
INTO A NEW SFH MEMBERSHIP DATABASE](#)**

57TH SYMPOSIUM IN 2015

The 57th Symposium of the Society for Histochemistry will be organized as part of the 24th Wilhelm Bernhard Workshop on the cell nucleus. It will take place in Vienna from 17th to 22nd August 2015. More details will be sent to the Society's members via email in spring 2015.



24th Wilhelm Bernhard Workshop on the cell nucleus
satellite meeting: 57th Symposium
of the Society for Histochemistry

August 17-22, 2015 | Vienna, Austria
<http://wbworkshop24.eu>



Dear Colleagues,

We proudly announce the **24th Wilhelm Bernhard Workshop on the cell nucleus**.

The meeting will be held in the beautiful city of Vienna from **August 17th to August 22nd 2015**.

Research on biological processes taking place in the nucleus accumulates a rapidly growing knowledge of nuclear structure and functions. Thus we are expecting a highly stimulating and motivating conference hopefully living up to the previous meetings of the prestigious Wilhelm Bernhard Workshop series.

This meeting is proud to host the 2015 symposium of the Society for Histochemistry.

The scientific focus of the Society for Histochemistry, which is based on the functional morphology of normal and aberrant cells and tissues, will be a valuable extension of the scope of the meeting.

Vienna with its location in the heart of Europe offers an ideal venue to bring together scientists across all borders.

We cordially invite you to the 24th Wilhelm Bernhard Workshop on the cell nucleus and to the 57th symposium of the Society for Histochemistry and are looking forward to meeting you in Vienna!

Christian Schöfer
Klara Weipoltshammer
Local Organizers

REPORT ON 56TH SYMPOSIUM

The 56th Symposium of the Society for Histochemistry took place in the framework of the 18th International Microscopy Congress (IMC 2014) on 11th September 2014 in Prague, the Czech Republic. The Society was a scientific sponsor of the symposium [LS-12 Advances in immunohistochemistry and cytochemistry](#). The symposium showcased recent advances in the design of molecular probes and detection of a variety of biologically active molecules in cells and tissues. The symposium was chaired by Jürgen Roth from the University of Zurich in Switzerland and Luis Felipe Jimenez-Garcia from the Faculty of Sciences at the National Autonomous University of Mexico.

Invited speakers were:

- **2014 Robert Feulgen Prize laureate Tom Misteli** from the National Cancer Institute, NIH, USA with the talk “Visualizing the genome in living cells”,
- **2014 Robert Feulgen lecturer Ron Heeren** from the FOM Institute AMOLF, the Netherlands with the talk “Molecular scales: Imaging signals of disease with mass spectrometry”,
- **Histochemistry and Cell Biology lecturer Alberto Luini** from the Institute of Protein Biochemistry, National Research Council in Italy with the talk “Development and impact of correlative microscopy in cell biology”,
- Toyoshi Fujimoto from Nagoya University, Graduate School of Medicine in Japan with the talk “Distribution of membrane lipids observed by quick-freezing/freeze-fracture replica labelling electron microscopy”,
- Sui Huang from the Northwestern University, USA with the talk “PNCs associate with structure and function of the nucleolus”.

The Symposium was attended by approximately 180 participants. It received a very positive feedback from the participating experts. The Proceedings from the Congress, including the abstracts from the LS-12 symposium, are available at:

<http://www.microscopy.cz/microscopy.cz/imc.html>.



Fig. 1: Tom Misteli – 2014 Robert Feulgen laureate



Fig. 2: Ron Heeren giving Robert Feulgen lecture at LS-12

FEULGEN PRIZE

The Society for Histochemistry announces

The Robert Feulgen Prize 2015 - 2,000 EUR

The prize will be awarded for an outstanding achievement in the field of histochemistry. The contributions may be either towards the development of new histochemical and cytochemical techniques or in the application of existing technology towards solving important problems in biology and/or medicine. Addressed are scientists working in microscopical sciences (in the widest sense) as well as in biochemistry, cell biology, endocrinology, in situ molecular techniques, and neurosciences.

Scientists in their mid-career (assistant or associate professor, priv. doz.) are encouraged to apply. The prize is not intended for lifetime contributions.

The application should contain a short curriculum vitae, a 1,000 word summary of the contributions of the applicant and PDF reprints of the pertinent publications.

Full description of conditions is available on [the Society website](#).

All applications should be submitted before 31 January 2015 via the [electronic submission system](#).

Chair of the evaluation board: Prof. Dr. W. Kummer, Institut für Anatomie und Zellbiologie, Giessen, Germany, wolfgang.kummer@anatomie.med.uni-giessen.de

[SUBMIT YOUR APPLICATION NOW!](#)

MEMBERSHIP ISSUES & INFORMATION ON FEES

We would like to inform the members of the Society that the current membership database is migrating to a new on-line system. All members are kindly requested to complete a short questionnaire to update their membership data as soon as possible in order to keep the list of members updated and thus facilitate the networking among the SFH members. Thank you very much for your help.

**[PLEASE CLICK ON THE LINK AND INSERT YOUR MEMBERSHIP DATA
INTO A NEW SFH MEMBERSHIP DATABASE](#)**

Member Fees:

- Full members: 40 EUR
- Emeritus/Retired members: 10 EUR

Term of Payment: Fees are due to 30th of September of each year!

Methods of Payment:

- Members having an account with a bank residing in Germany:

Money transfer directly to the following account:
Kontonummer: 159 313 600
Kreditinstitut: Deutsche Bank, Tübingen, Germany
BLZ (Bankleitzahl): 640 700 24
- Members from other European countries or members outside Europe:

Money transfer directly to the following account:
Society for Histochemistry/Gesellschaft für Histochemie
Credit Institute: Deutsche Bank, Tübingen, Germany
IBAN: DE57 640 700 240 159 313 600
BIC (SWIFT): DEUT DE DB640

Please make also sure that all bank transfer costs are charged to the sender.

Please do not forget to state your name and SFH Fees for the year "20.."

For further information please contact the treasurer of the Society at: fees@histochemistry.eu

A NOTE FROM HISTOCHEMISTRY AND CELL BIOLOGY

Histochemistry and Cell Biology (HCB) is the official journal of the Society of Histochemistry. For this Newsletter, I have prepared a short survey about some general aspects and what course HCB has taken during the year 2014. HCB aims to cover the localization and identification of molecular components, metabolic activities and cell biology. This also includes the development of methods useful in the entire area of histochemistry and cell biology. I believe this is well reflected by the content of the 113 papers published in the two volumes in 2014 and by the number of full-text downloads which varies between 220.000 and 320.000 per year. Excellent examples are the recent paper by B. Glick and colleagues about "A Three-Stage Model of Golgi Structure and Function" or the papers by Römpp and colleagues and by Walch and colleagues covering various aspects of the method of "Mass Spectrometry Imaging". Over many previous years, including 2014, HCB was ranked as the journal #1 in both the field of Histochemistry and of Microscopy according to the notorious Impact Factor (IF 2013: 2.927; 5 year IF: 3.193) and ranked 104/185 in Cell Biology. However, there are other indications that HCB is a preeminent journal such as the already mentioned number of full-text downloads and that Original Articles were cited 6.9 times on average as well as a SJR of 1.238 (a measure of scientific influence of scholarly journals that accounts for both the number of citations received by a journal and the importance or prestige of the journals where such citations come from). In line with this, during 2014, a total of 299 manuscripts were submitted by authors from Europe, North and South America, Australia and Asia including Japan, China and Korea. A first editorial decision after manuscript submission was reached after 18 days on average and the final decision after a total of 28 days on average. The acceptance ratio in 2014 was close to 40%. To handle such a high number of submissions and to guarantee high quality of the reviewing process was only possible through the dedication of our international Editorial Board and the commitment of many peers from around the globe. I am pleased to say that the overwhelming number of authors rated the reviewers comments and suggestions as excellent and helpful. In addition, the overwhelming number of our authors were very satisfied with the overall publication process and would consider submitting manuscripts to HCB again.

The year 2014 was a special one for all of us with the Nobel Prize in Chemistry awarded for "Super-Resolved Fluorescence Microscopy". The two Special Issues of HCB on "Single-Molecule Super-Resolution Microscopy" initiated by Mike Heilemann (Frankfurt a.M.) and edited by him and myself were very timely in this regard. Other publication highlights were the review of the Feulgen Prize 2014 winner Tom Misteli (National Cancer Institute, NIH, Bethesda, MD) on "Deep imaging: the next frontier in microscopy" and of the HCB Lecturer Alberto Luini (Institute of Protein Biochemistry,

CNR-IBP, Naples) on "Correlative video-light-electron microscopy: development, impact and perspectives" published in the August issue of HCB. Having said that, I am looking forward to your continuous support for HCB. Online manuscript submissions can be made through: <https://mc.manuscriptcentral.com/hcb>

Last but not least, I would like to wish you as our readers and authors a happy, healthy and successful New Year.

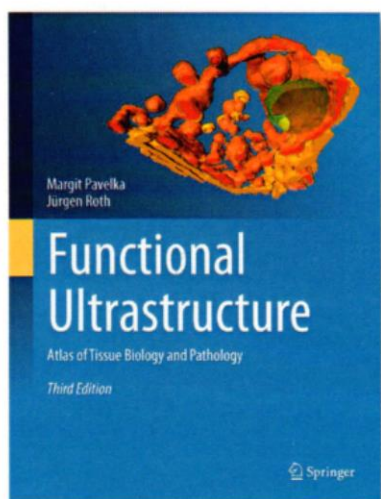
Jürgen Roth, Editor-in-Chief

HCB

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M. Pavelka, J. Roth

Functional Ultrastructure

Atlas of Tissue Biology and Pathology

- ▶ **Revised and extended 3rd edition**
- ▶ **Contains highly informative electron micrographs**
- ▶ **Serves as a handy reference guide for diagnostic and research electron microscopy laboratories in clinical, industrial, and academic settings**

This atlas provides a detailed insight into the complex structure and organization of cells and tissues, highlights specific cellular and tissue functions, and the dynamics of diverse intracellular processes. Highly informative electron micrographs are complemented by explanatory texts, selected references and schemes. The concept that subcellular organelles provide the structural foundation for fundamental processes of living organisms is emphasized. The first part covers the cellular organelles and changes caused by experiments or occurring under pathological conditions. The second part illustrates by selected examples principles of functional tissue organization and typical changes resulting from experimental induction or pathological situations. The third edition of the atlas, revised and extended by 23 plates, thus provides an invaluable resource for scientists and students of medicine and biological sciences, particularly of histology, cell and molecular biology. Moreover, it will serve as a handy reference guide for diagnostic and research electron microscopy laboratories in clinical, industrial, and academic settings.

3rd ed. 2015, Approx. 400 p.

Printed book

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FURTHER INFORMATION ON THE SOCIETY FOR HISTOCHEMISTRY

The new positions in the Society's board were approved at the board meeting on 3 December 2014 in Munich.

You may contact the board by a group e-mail info@histochemistry.eu, directly at the annual meetings or via their personal e-mails:

Prof. Dr. Klara Weipoltshammer, *president* - klara.weipoltshammer@meduniwien.ac.at
Prof. Dr. Axel Walch, *past president & treasurer* - Axel.Walch@helmholtz-muenchen.de
Prof. Dr. Pavel Hozák, *secretary* - hozak@img.cas.cz
Prof. Dr. Ioannis Mylonas, MD, *member* - ioannis.mylonas@med.uni-muenchen.de
Prof. Dr. Marco Biggiogera, *member* - marco.biggiogera@unipv.it

Benefits for members:

1. Prestigious prizes, awards and stipends as well as competitive student packages for attending symposia of the Society.
2. Personal subscription to the Society's official "Histochemistry and Cell Biology" at only ten percent of the regular rate. Based on the ISI-impact factor, "Histochemistry and Cell Biology" is the leading journal in the field.
3. Interactions with senior scientists resulting in multiple career opportunities. Selected top scientists in the field can be met and contacts and discussions with them are encouraged in the informal atmosphere of the symposia.
4. Symposia are conveniently scheduled (usually in September) at reasonable prices.
5. Besides oral presentations by top scientists in the field, the program of the symposia allows for selected presentations on the basis of submitted abstracts.
6. "Free communications" and presentation of posters receive ample attention at the symposia and are considered to be important elements of the symposia.
7. Access to the "members only" section of the Society's highly informative homepage (www.histochemistry.eu).
8. Annual Newsletter for members only.
9. An annual membership fee of only 40 EUR, which entitles a 40 EUR reduction of the registration fee for the symposia of the Society.

<http://www.histochemistry.eu/>

INTERNATIONAL FEDERATION OF SOCIETIES FOR HISTOCHEMISTRY AND CYTOCHEMISTRY

The Society for Histochemistry is a member of the [International Federation of Societies for Histochemistry and Cytochemistry](#) (IFSHC). The IFSHC promotes communications and co-operation among scientists, who are interested in these fields of study, throughout the world. In support of these aims, the IFSHC arranges International Congresses to provide a forum for scientists interested in histo- and cytochemistry.



Structure

- Committee of delegates (meets at least prior to Congress): composed of executive committee and 2 delegates (voting and non-voting) from each of the member societies.
- **The IFSHC Executive Committee (2012-2016):**
President: Serap Arbak (Turkey), Secretary-General: Zbigniew Kmiec (Poland), Treasurer: Hinke Multhaupt (Denmark), Councillors: Raymond Coleman (Israel) and Tetsuro Takamatsu (Japan).

15th International Congress of Histochemistry and Cytochemistry

19 – 22 June 2016, Istanbul, Turkey

The main goal of ICHC 2016 is to bring the worldwide histochemists together and provide an environment for close cooperation, exchange of information and collaborations.

Main topics: Emerging techniques in immunohistochemistry, nucleic acid histochemistry, enzyme histochemistry, metabolic mapping, quantitative histochemistry, 3-D histochemistry, novel probes for live cell imaging, in vivo imaging, tissue arrays, visualization of biomarkers, molecular and supramolecular structure of the cell, cellular adhesion and extracellular matrix, cytoskeleton, nuclear dynamics, cell signalling, hard tissue histochemistry, proteomics, cell growth and differentiation, cell death, cellular aging, autophagy, endothelial cell function and angiogenesis, imaging of nerve cell structure and function, cancer biology, stem cell biology, developmental biology, regenerative medicine, glycobiology, nanobiology, microbiology, plant science, pathology and clinical medicine, confocal microscopy in biology, correlative light and electron microscopy, advances in electron microscopy, electron tomography, cryo electron microscopy of biological specimens, probes for multiphoton microscopy, virtual microscopy .

Congress website: <http://www.ichc2016.com/>