



INTERNATIONAL FEDERATION OF THE SOCIETIES FOR HISTOCHEMISTRY AND CYTOCHEMISTRY

www.ifshc.com

NEWSLETTER January 2019

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Message from the IFSHC President,

HINKE MULTHAUPT, Ph.D.

Dear Colleagues:

I would like to start this Newsletter by wishing you a prosperous 2019 and hope for

peace in the world.

The major event for the International Federation of Societies for Histochemistry and Cytochemistry are the scientific meetings held every four years. These meetings have rotated amongst various countries and continents organised by member societies. Following on from a very successful meeting organised by the Turkish Society for Electron Microscopy in Antalya, Turkey, we now focus our attention on the next IFSHC meeting to be organised by the Society for Histochemistry in Prague, Czech Republic, 30 August -2 September, 2020. Last July we had a productive site visit in Prague; excellent science and facilities await us next year. Moreover, Prague offers a wonderful city of culture and architecture and well worth a visit in its own right. Further details of our meeting are elsewhere in this newsletter. Please reserve the dates!

Historic perspective:

The International Committee for Histochemistry and Cytochemistry was founded in 1960 in Paris, France and the Draft of Statutes was approved in Frankfurt, Germany in 1964. The first Congress of the International Federation of Societies for Histochemistry and Cytochemistry was held in 1960 also in Paris, France, and was organised by J. Verne and R. Wegman. Since the IFSHC was founded, there has been a meeting every 4 years.

I propose to inaugurate a new 'Young Investigator Award' by the IFSHC to mark the Diamond Jubilee of the IFSHC at our next meeting in Prague 2020.

With best regards to all our societies and their members,

Hinke Multhaupt



Message from the IFSHC Secretary-General Zbigniew Kmiec, M.D., Ph.D.

Dear Colleagues,

The main activity of the IFSHC in the year 2018 was involved with the on site inspection of the facilities prepared in Pargue by our colleagues from the Society for Histochemistry for the next 16th Congress of IFSHC that will take from 30th August till 2nd September 2020. The hosts of the ICHC 2020, Professors Pavel Hozak and Klara Weipoltshammer, supported by the representatives of the GUARANT International, have presented a well thought general program of the Congress and state-of-the art CUBEX CENTRUM PRAHA conference facilities (www.cubexcentrum.cz) that are adjacent to the Panorama hotel. The venue site is located on the left bank of the Vltava River (the same as the Hradcany medieval castle) with an easy access by the underground/subway system to the very heart of the Prague Old City. The framework of the ICHC 2020 looks great and we are open for your constructive suggestions to the program of the Congress with hints for the potential speakers.

As you will see from the reports of the Member Societies, many of them are highly active. I shall be pleased to receive reports about your recent news including upcoming scientific meetings, courses etc. from your societies. All this information will provide an efficient network supporting an increasingly interconnected community. In this Newsletter you can read about the activities of the international and national societies, members of our Federation which were sent by their Officers. For your convenience, the conferences of the member societies planned for the year 2019 have been additionally listed at the end of this newsletter.

Furthermore, I would like to encourage your society to use the IFSHC website at www.ifshc.com. Here we can announce information about your upcoming scientific activities for the years 2019 and 2020. We are very close to modernize the webpage to make it more user friendly and attractive.

I wish you all the best in 2019.

Zbigniew Kmiec



Message from the IFSHC Treasurer

Toyoshi Fujimoto, M.D., Ph.D.

Dear Colleagues,

I would like to take this opportunity to thank all the member societies for supporting the IFSHC activity financially.

The annual dues from the member societies are used for the Paul Nakane and the Glick awards, and most importantly, for the awards for Young Investigators.

All societies who pay their annual dues are entitled to send a voting delegate and a Young Investigator to the ICHC meeting.

I would like to ask all member societies to pay their dues in a timely fashion. The payment structure is for small societies (less than 100 members) to pay annual dues of €100.00 and for bigger societies (more than 100 members) to pay annual dues of €200.00. It is up to each society if they want to pay their dues annually, every 2 years or as a total sum for the 4 years.

Here is an important notice. IFSHC have had a bank account at the Nordea Bank in Finland for more than 10 years. But due to changes in the bank regulation, we were urged to close the account and open a new one. The new account information will be notified to the member societies when it becomes available. So please do not send your annual fees until then. I would appreciate your cooperation.

Please do not hesitate to contact me if you have any questions related to the payment.

Wishing you all the best, I am.

Toyoshi Fujimoto



The Histochemical Society

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2018 Society Activities

HCS participated in the 2018 Experimental Biology Conference with an ASIP hosted session entitled *Imaging Biometals in Disease*. This session featured Svetlana Lutsenko, Marianne Wessling-Resnick, and Iqbal Hamza. The JHC Lecturer was E. Sally Ward. Additionally, HCS presented a workshop hosted by the American Association of Anatomists (AAA) entitled *Specimen Quality Drives Reproducibility* with

featured speakers Douglas L. Rosene, Allison Hubble, and Stephen Hewitt.

HCS held their annual award reception and business meeting and provide several merit based awards for travel and presentation recognitions.

- HCS Capstone Grants program led by the Education Committee, received a record number of applications and awarded grants to six outstanding undergraduate students in 2018. Awardees are listed on the HCS website.
- HCS continued its tradition of awarding travel grants to participants at various meetings such as the Analytical and Quantitative Light Microscopy (AQLM) workshop in May and the Optical Microscopy and Imaging in the Biomedical Sciences (OMIBS) workshop in August both at the Marine Biological Laboratory in Woods Hole, MA. Additionally, HCS expanded their travel award program



HCS Award Recipients at EB 2018, San Diego, CA

introducing the *HCS Travel Awards in Imaging and Histochemistry (HCS-TA-IHC)*. This new award program is designed to encourage members or potential new members to attend or speak at society sanctioned workshops, courses, meetings or conferences. Awards are available on a rolling basis and specific opportunities are listed on the website. In 2018, HCS granted travel awards to four young investigators at the ASMB Biennial Meeting in Las Vegas, Nevada and sent speakers to the Society for Leukocyte Biology Meeting in Chandler, AZ. Visit the [HCS website](#) to read more about this new program or to apply for an award.



HCS President Margarida Barroso with SLB MTTG leaders and speakers in Chandler, Arizona



JHC Editor, Stephen Hewitt and HCS Travel Award winners at the ASMB Biennial Meeting in Las Vegas, Nevada

2019 Plans:

- HCS will participate in Experimental Biology 2019 in Orlando, FL, April 6th to Wednesday, April 9th, 2019. This year, the HCS/ASIP Symposium will be entitled *New Tools for Dissecting Disease: Big Data Analytics*. The symposium, chaired by Paul Goodwin and Stephen Hewitt will feature the following presentations: *Deep Learning in Histopathology*, Richard M. Levenson, MD, UC Davis Health; *Single-cell Transcriptomics*, Peter A. Sims, PhD, Columbia University and third speaker, TBA. The Journal of Histochemistry and Cytochemistry Lecture this year will feature Janis Marie Taube MD, MSc, Director, Division of Dermatopathology, Johns Hopkins University presenting, *Multiplex Immunohistochemistry To Explore The Complexity Of Tumor: Immune Interactions*.
- Also at Experimental Biology 2019, HCS will again partner with AAA to produce the *Workshop on Immunohistochemistry – “Just Do It Right.”* Workshop chairs: Charles Frevert, PhD and Liliana Schaefer, PhD welcome three speakers who will present the following topics: *Ends Means Goals Of Multiplex IHC*, Stephen Hewitt, MD, PhD, NCI; *Multiplex Immunohistochemistry Is More Than Stacking Single-Plex IHC, Developing a Validation Matrix*, Fiona Ginty, GE Healthcare; and *Imaging In Multiplex, Avoiding Conflict*, Stephen Lockett, NCI Optical Microscopy Laboratories.
- HCS will also hold their annual award reception and business meeting where several merit based awardees will be recognized. All are welcome at these HCS events in Orlando next April.
- In 2019 HCS will be expanding their awards program once again to include a new *Cornerstone Grant*. Inspired by the success of HCS’s undergraduate Capstone grant program, the Cornerstone Grant program will support graduate medical research (residents and fellows) and graduate students on a Thesis-Based Master’s or PhD track. This grant will provide funds to assist graduate medical trainees and graduate students in conducting research involving immunohistochemistry or histochemical techniques. Look for more information about this exciting new program on the HCS website in 2019.

IFSHC Board Representation and Future Collaboration:

HCS is pleased to have President Margarida Barroso now serving on the IFSHC board. HCS is committed to building stronger communications and looks forward to future joint programs and initiatives. In 2020, HCS will support the meeting in Prague and also would be pleased to offer travel grants by application for those wanting to attend the event (details will be posted on the website closer to the date of the meeting). HCS plans to submit a proposal to host the 2024 conference in the United States.

HCS Contact: Kendra LaDuca, HCS Executive Director, kladuca@histochemicalsociety.org



ROYAL MICROSCOPICAL SOCIETY www.rms.org.uk

Royal Microscopical Society Report 2018

Exciting outreach activities, a thriving events programme and the appointment of two Honorary Fellows were just some of the highlights for the RMS this year.

Our truly international Society has seen a very busy 2018, with over 1,430 members now registered from across the globe, including more than 110 students.

This year's array of activities included 22 events either organised or supported by the Society, attracting a total of 1500 delegates.

These ranged from conferences and exhibitions through to the courses, workshops and networking events essential to the RMS's strategy for helping the development of those seeking careers in microscopy. Our busy schedule included our regular Courses for Light, Electron and Confocal Microscopy, as well as Super-Resolution and Flow Cytometry.

In March 2018 the RMS sponsored a session at the **Biochemical Society Dynamic Cell Meeting** in Manchester. This was followed in June by our '**Frontiers in Bioimaging**' meeting, which took place in Glasgow. As always this was well attended and is becoming a highly regarded meeting within the microscopy community.

The RMS Life Sciences committee was recently involved with the German Society of Cell Biology meeting in Leipzig Germany in September 2018. It sponsored a session chaired by society president Michelle Peckham, titled '**Novel approaches to imaging in cell biology**'. We are keen to expand on our involvement with this meeting in the future, consolidating European links.

Other stand-out meetings and workshops included *Frontiers in Bioimaging*, *LM Facility Managers*, *EM-UK*, *Flow Cytometry Facility Managers*, *EBSA*, *ToScA UK*, *flowcytometryUK* and *SPM*.



Frontiers in Bioimaging, Glasgow 27 -28 June 2018

As part of the Society's growing outreach offer, its *Microscope Activity Kits* (MAK) for schools have continued to increase their reach, with at least 86,000 children gaining access to kits in 2018 - around 20,000 more than last year. The scheme continues to boost interest in science among students and teachers, helping teachers develop engaging activities linking science to other parts of the curriculum in imaginative ways.

Among the highly successful public outreach events supported by the RMS was April's Big Bang @ Weston Science and Engineering Festival at Weston-super-Mare. More than 2,500 people attended over two days, including at least 1,600 children. The RMS was among over 40 exhibitors, and our school binocular microscopes were a big hit with children, teachers and parents.

Having taken great strides in expanding our Facilities Database in 2017, the resource, run in collaboration with BiolmagingUK, has become the 'go-to' list to access imaging and cytometry facilities both in the UK and worldwide. It also now includes flow cytometry for the first time.

We were especially pleased to announce two new **Honorary Fellowships** this year, awarded to **Dame Professor Pratibha Gai** and **Dr Joachim Frank**.

Currently Professor of Electron Microscopy at the University of York, Professor Gai is widely known for co-inventing the atomic resolution environmental transmission electron microscope (ETEM) and later the atomic resolution in-situ aberration corrected ESEM.

Dr Frank was awarded the Nobel Prize in Chemistry in 2017 for his contribution to solving structures by cryoEM and single particle image processing, and for his particular contribution of image processing to this technique.

In June, we were delighted to welcome Professor Pete Nellist as the new General Editor of the Journal of Microscopy. Pete takes over from Professor Tony Wilson, who has been at the helm since 2000. We will also be seeing some changes in our scientific editors and editorial board in the coming months as a number of members step down and are replaced. We extend our thanks to Tony and all those who have contributed to the Journal. Meanwhile the Society's quarterly magazine *infocus* underwent a redesign early in 2018 and celebrated its 50th issue in the summer.

2019 is already shaping up to be a busy year. We start off with the Facility Manager Meetings in January, and our regular courses. In addition to the Botanical Microscopy Meeting in April, the RMS Life Sciences committee has plans for a new meeting on high content imaging in 2019.

Meanwhile the excitement continues to build as the RMS's flagship event, **mmc2019**, approaches. The event takes place on 1-4 July in Manchester, and we are preparing for what we expect to be one of the biggest and best ever instalments of this fantastic Congress.

We are also proudly looking ahead to our role as PCO for the forthcoming **European Microscopy Congress** in August 2020. We will be working closely alongside the European Microscopy Society (EMS) and the Nordik Microscopy Society (SCANDEM) as preparations gather pace in the coming months. The website for this fantastic event is live at www.emc2020.eu, where you can register your interest as either an attendee or an exhibitor.

We look forward to serving the microscopy community again throughout 2019 and to meeting many of you at events throughout the year.



SOCIETY FOR HISTOCHEMISTRY

www.histochemistry.eu

The 59th Symposium of the Society for Histochemistry was organized as the session “*New technologies in genome and cytogenetics research*” of the 22nd International Chromosome Conference, Sept. 2-5 2018 in Prague. A highlight of the session was the Robert-Feulgen-Lecture given by **Christoph Cremer**, Mainz, Germany: “*Nuclear genome nanostructure imaging at single molecule resolution*”.

The Society supported seven young scientists with 400 € each. All of them were able to present original results of their research either as poster or as oral contributions.

In October 2018, started the open call for the Robert Feulgen Prize 2019. The monetary prize to be awarded is 2,000 EUR and the contributions may be either towards the development of the 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, typically up to 10 years after obtaining the PhD degree are encouraged to apply.



Awardees of the 59th Symposium of the Society for Histochemistry

The Society for Histochemistry has the honour of organizing the next International Congress of Histochemistry and Cytochemistry in Prague, 30 August – 2 Sept. 2020. In order to coordinate planning of this event a meeting of the main organizing representatives was held in Prague on July 12th/13th 2018 with the following participants:

for the IFSGC - Hinke Mulhaupt, Zbigniew Kmiec

for the Society for Histochemistry - Pavel Hozak, Klara Weipoltshammer

support administration + organization - Michaela Zurkova;

for the PCO (Guarant) - Thomas Raboch.

The meeting started with a site visit of the conference facilities of a new a new, modern venue **Cubex Centrum Prague** inspired by Czech cubist architecture. Furthermore, several important decision as to room contingent and the structure of the scientific program, the social program and procedures for selecting topics and honorary lecturers were taken which makes a more detailed planning of the event possible.

It is our great pleasure to extend a warm invitation to everyone to attend what is sure to be a memorable conference. There will be, as usual, emphasis on supporting our younger conferees. We hope to welcome you to Prague and the great ICHC 2020!

Plans for 2019: The 60th Symposium of the Society for Histochemistry is preliminarily planned as a session of the COST “Nuclear Organization and Lipids Involvement in Gene Expression” conference to be held on 23-25 October in Prague, Czech Republic.



CZECH SOCIETY FOR HISTO- AND CYTOCHEMISTRY

www.cshc.cz/eng

Activities of the Czech Society for Histo- and Cytochemistry in 2018

Morphology 2018 and **55th Lojda Symposium on Histochemistry** was held in Jihlava, Czech Republic, September 6-9, 2018. Symposium programme is available at <http://www.morphology2018.cz/>.

The workshop „*The use of antibodies for in situ proteomics*“ was held in December 4, 2018 in Hradec Králové. The workshop covered topics of simultaneous detection of several antigens in immunohistochemistry, usage of hydrophilic resins for identification of antigens in transmission electron microscopy and signal amplification with tyramides.

Plans for 2019

The workshop „Immunohistochemistry – Theory and Practice“ will be held in June, 2019 in Hradec Králové. Workshop will cover basic principles of sample processing for immunohistochemistry, principles of direct and indirect methods and signal visualization at light, fluorescent and electron microscopic levels. Participants will be allowed to try by themselves selected protocols in the laboratory (a precise date will be announced later).

Morphology 2019 that includes 56th Lojda Symposium in Histochemistry will be held in June 2019 in the High Tatras, Slovak Republic (a precise date will be announced later).



DANISH SOCIETY FOR CYTOCHEMISTRY AND HISTOCHEMISTRY

www.dschi.dk

Danish Society for Cyto- and Histochemistry (DSCH) reports the following activities for 2018.

Meetings during 2018:

- March – Colorectal Cancer – treatment and perspectives
- April - General assembly
- November – Kidney transplantations – state of the art

Coming meetings for 2019:

- March – Immuno-oncology
- Spring - General assembly
- Autumn – Malignant melanomas
- March - Colorectal cancer- new experimental treatments and perspectives
- New treatment methods and technologies

Board members:

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OBITUARY: HANS OLUF LYON

It is with sorrow that we have to announce that Hans Oluf Lyon died on June 28, 2018 after a short period of time. Hans Lyon was born on December 14, 1932, and lived as a child in Northern Ireland. His mother was Danish and father was Irish and they had to wait for the end of the war before they could return to Copenhagen.

Hans Lyon became a student in 1952 from Sankt Joergens Gymnasium and later a candidate in 1961 from the University of Copenhagen and from the beginning of his career he became interested in histochemistry, among other things encouraged by his head Hemming Poulsen, Copenhagen Municipal Hospital. Hans Lyon became a specialist in 1969 and a general practitioner at the municipal hospital in 1972 and later became a doctor at Hvidovre Hospital in August 1978.

Hans Lyon has extensive scientific work behind him e.g. fixation, dye purity, and this work led him into both European and international standardization and quality development work. Hans Lyon represented the Danish Standard from 1999 in the ISO / TC 212 work and this document was subsequently converted and approved as EN-ISO 19001 in 2002. Later, this document was revised and approved as EN-ISO 19001: 2014.

In 2002, Hans Lyon was invited as a member of the Board of Biological Stain Commission (BSC), contributing to BSC's work and their releases over the years.

From the mid-60s, Hans Lyon started to organize the histo-laboratory teaching at the University of Copenhagen University College and was chairman of the Histo / Cyto Educational Council until the direction was discontinued in 1998. However, he continued to teach up to the age and it became more than 25 years of histological techniques and histochemistry teaching.

Hans Lyon was not only a diligent teacher, but also author of very important teaching material regarding histological theories and methods. He was the main editor of the first and largest textbook in histochemistry. Histochemistry I and II were published in 1985, as published in English by Springer-Verlag in 1991, entitled "Theory and Strategy in Histochemistry. A guide to the Selection and Understanding of Techniques". In addition, he had extensive scientific production with the emphasis on certification and dye purity.

For over 30 years, Hans Lyon was a senior physician in pathological anatomy and clinical cytology with a special focus on histological technology and histochemistry at Hvidovre Hospital. After retiring from Hvidovre Hospital, he continued teaching and guiding students at Copenhagen University in histochemistry

Hans Lyon joined DSCH in 1976 and took over the presidency in 1985 and was chairman until 2003. Hans Lyon was a very committed and professionally focused person and many Danish bioanalysts and younger doctors had greatly

enjoyed his passionate desire to develop the subject focusing on quality.

When the Danish Society for Cyto- and Histochemistry celebrated the 40th anniversary of the 2016 anniversary, a festive paper was prepared, where Hans most beautifully described the epoch of Histochemistry, where he put his marking imprint.

Because of his schooling in Ireland, Hans Lyon was very good at the English language and often helped younger colleagues translate scientific articles into English.

We send many thoughts to Hans Lyon's family and say goodbye to the DSCH's founder, former chairman and honorary member of DSCH for many years. Hans Lyon leaves his wife, Gyda, whom he married in 1960 and they had 2 children (Peter and Anne Grethe) and 2 lovely grandchildren.

Honor be his memory.



JAPAN SOCIETY OF CYTOCHEMISTRY AND HISTOCHEMISTRY

<http://jshc.nacos.com/>

- The 43rd Technical Seminar of the Japan Society of Histochemistry and Cytochemistry was held in Nara, on August 2 – 4, 2018.
- The 59th Annual Meeting of the Japan Society of Histochemistry and Cytochemistry was held in Miyazaki on September 29 – 30, 2018.

■ 2018 Award Recipients:

- **Takamatsu Prize:**

RYOHEI KATO (Professor Emeritus at the University of Yamanashi / Director of Surgical Pathology (Scientific Adviser, Ito Hospital))

- **Young Investigator Award:**

KINUYO IWATA (Department of Anatomy and Neurobiology, Graduate School of Medicine, Nippon Medical School)

- **Acta Histochemica et Cytochemica (AHC) Award:**

Article Title: A New Electron Microscopic Method to Observe the Distribution of Phosphatidylinositol 3,4-bisphosphate

Author Name: **Sharmin Aktar, Sho Takatori, Takuma Tsuji, Minami Orii, Yuki Ohsaki, Jinglei Cheng, Toyoshi Fujimoto** (Department of Anatomy and Molecular Cell Biology, Nagoya University Graduate School of Medicine)

Volume, Issue, Pages: 50 (5): 141–147, 2017

DOI: <https://doi.org/10.1267/ahc.17025>

Article Title: *In Situ* Evaluation of Estrogen Receptor Dimers in Breast Carcinoma Cells: Visualization of Protein-Protein Interactions

Author Name: **Erina Iwabuchi, Yasuhiro Miki, Katsuhiko Ono, Yoshiaki Onodera, Hironobu Sasano** (Department of Pathology, Tohoku University Graduate School of Medicine)

Volume, Issue, Pages: 50 (2): 85–93, 2017

DOI: <https://doi.org/10.1267/ahc.17011>

Article Title: A Device for Ribbon Collection for Array Tomography with Scanning Electron Microscopy

Author Name: **Taro Koike, Yosky Kataoka, Mitsuyo Maeda, Yuji Hasebe, Yuuki Yamaguchi, Mitsuo Suga, Akira Saito, Hisao Yamada** (Department of Anatomy and Cell Science, Kansai Medical University)

Volume, Issue, Pages: 50 (5): 135–140, 2017

DOI: <https://doi.org/10.1267/ahc.17013>

※Authors affiliations are their institutions at the time of publication.

■ 2019 Events:

- The 44th Technical Seminar of the Japan Society of Histochemistry and Cytochemistry will be held in Tokyo on August 1 – 3, 2019.
- The 60th Annual Meeting of the Japan Society of Histochemistry and Cytochemistry / The 13th Japan-China Joint Seminar on Histochemistry and Cytochemistry (JCJSHC) will be held in Kobe, Hyogo on September 19 – 21, 2019.



POLISH HISTOCHEMICAL AND CYTOCHEMICAL SOCIETY

www.histochemia.org

The 52th Symposium of the Polish Society was organized in 2018 by colleagues from the Medical University of Białystok, in Białystok (eastern part of Poland with the famous Białowieża National Park), from 12 to 14 September. The meeting was entitled: *'Immunochemistry and molecular biology in morphology'*. The keynote lecture was presented by Professor **Nafis Rahman** (University of Turku, Finland) - *"Nongonadal Follicle Stimulating Hormone receptor expression – is it for real?"*



Common photograph of the majority of Symposium's participants, Białystok, 15th September 2018

Almost 120 scientists participated in the Symposium, which was subdivided into 6 plenary sessions including 'Session of young Scientists' and 2 poster sessions with 60 electronic posters. Apart from the high scientific level, the Symposium was also a social success thanks to the efforts of the local organizers (Professor Wiesława Ewa Niklińska with her team).

Every year during the Symposium an annual meeting of the Polish Society's is being organized. During this meeting President of the Society, Professor Mariusz Majewski presented issues related to society development directions, existing and planned collaborations and scientific conferences. Currently, the Polish Society has 341 Members (including 38 Honorary and Emeritus Members) organized in 12 local branches in country's leading academic centers. The main way of activity of the local branches is the organization of short scientific meetings with invited speakers from inland and abroad.

In the year 2019 the Polish Cytochemical and Histochemical Society will held its 53st Symposium entitled *"From the ultrastructure to the in vivo imaging: progress in microscopical techniques"* from 15 to 18 September in Gdansk, Poland . We cordially invite you to participate in our Symposium.

TURKISH SOCIETY FOR ELECTRON MICROSCOPY (www.temd.org)

Activities of TSEMD in 2018

A workshop entitled as ‘**Cryo applications in biological sciences**’ was co-organized by LEICA and Acibadem Univ. School of Medicine, Dept. of Histology and Embryology in İstanbul on March 8-9, 2018.

In April, 13, 2018, a full day symposium ‘**Clinical approaches in Stem Cells**’ was organized by Izmir Ekonomi University School of Medicine in Izmir, Turkey.

The events to be organized by Turkish Society for Electron Microscopy in 2019

The next ‘**24th National Congress of Electron Microscopy** (with international participation)’ will be organized in 2019 by Trakya University School of Medicine Department of Histology and Embryology in Edirne.

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THE EVENTS TO BE ORGANIZED BY THE IFSHC MEMBER SOCIETIES IN 2019

The Histochemical Society

The HCS annual meeting will be held in conjunction with Experimental Biology 2019 in Orlando, FL, April 6th to Wednesday, April 9th, 2019. The HCS/ASIP Symposium *New Tools for Dissecting Disease: Big Data Analytics*, will be chaired by Paul Goodwin and Stephen Hewitt. The Journal of Histochemistry and Cytochemistry Lecture *Multiplex Immunohistochemistry To Explore The Complexity Of Tumor: Immune Interactions*, will be presented by Janis Marie Taube, Johns Hopkins University.

Also at Experimental Biology 2019, HCS will again partner with AAA to produce the *Workshop on Immunohistochemistry – “Just Do It Right”* chaired by Charles Frevert, PhD and Liliana Schaefer, PhD.

In 2019 HCS will be expanding their awards program once again to include a new *Cornerstone Grant*. Look for more information about this exciting new program on the HCS website in 2019.

Royal Microscopy Society invites for its 2019 events.

The RMS's flagship event, **mmc2019**, takes place on 1-4 July in Manchester.

The Botanical Microscopy Meeting is planned for April, and the RMS Life Sciences committee has plans for a new meeting on high content imaging in 2019.

Society for Histochemistry

The 60th Symposium of the Society for Histochemistry is preliminarily planned as a session of the COST “Nuclear Organization and Lipids Involvement in Gene Expression” conference to be held on 23-25 October in Prague, Czech Republic.

Czech Society for Histo- and Cytochemistry organizes the workshop „Immunohistochemistry – Theory and Practice“ to be held in June 2019 in Hradec Králové.

The Symposium **Morphology 2019** that includes 56th Lojda Symposium in Histochemistry will be held in June 2019 in the High Tatras, Slovak Republic (a precise date will be announced later). Detailed information will be available on website <http://www.morphology2019.cz/>.

Danish Society for Cyto- and Histochemistry coming meetings for 2019 are:

- March – Immuno-oncology and Colorectal cancer- new experimental treatments and perspectives
- Spring - General assembly
- Autumn – Malignant melanomas

Japan Society of Histochemistry and Cytochemistry will organize following events in 2019:

- The 60th Annual Meeting of the Japan Society of Histochemistry and Cytochemistry / The 13th Japan-China Joint Seminar on Histochemistry and Cytochemistry (JCJSHC) will be held in Kobe, Hyogo on September 19—21, 2019.
- The 44th Technical Seminar of the Japan Society of Histochemistry and Cytochemistry will be held in Tokyo on August 1—3, 2019.

Polish Cytochemical and Histochemical Society

The 53rd Symposium entitled **“From the ultrastructure to the in vivo imaging: progress in microscopical techniques”** will be organized by the Department of Histology, Medical University of Gdańsk, from 15 to 18 September 2019 in Gdańsk, Poland.

Turkish Society for Electron Microscopy

24th National Congress of Electron Microscopy (with international participation) will be organized in 2019 by Trakya Univ. School of Medicine Dept. of Histology and Embryology in Edirne, Turkey.