

NEWSLETTER

January 2023



INTERNATIONAL FEDERATION OF THE SOCIETIES
FOR HISTOCHEMISTRY AND CYTOCHEMISTRY

website: www.ifshc.com

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Message from the IFSHC President PAVEL HOZAK, Ph.D.

Dear Colleagues,

I feel very privileged and honoured to be writing this message as the new IFSHC president and I am looking forward to continue working within our Federation in the coming years. My sincere gratitude goes to the past-president Hinke Mulhaupt, who did a fantastic job in keeping the Federation a prosperous one and being of great support to all Members Societies.



With the 2022 coming to its end, let me reflect a bit on our past activities. After two long years of quarantine, travel restrictions and event postponing, we were finally able to organize the 16th International Congress of Histochemistry and Cytochemistry as an in-person meeting hosted in Prague, Czech Republic in a close cooperation with the Society for Histochemistry. An integral part of the meeting, allowing us to hold 10 sessions and host 6 plenary lectures in the course of 4 days was the active participation of the Members Societies in the sense of dissemination, speaker inviting, session chairing and even session co-organization. Overall, it was a wonderful experience full of excellent scientific contributions from both established researchers and young scientists, who presented their work in a dedicated session. The feedback from the Congress participants was overwhelmingly positive, for which both the SfH president and myself are very grateful.

The Congress accommodated 2 important IFSHC Delegates meetings that resulted in two important decisions. Firstly, the venue for the next ICHC was selected and I would like to take this opportunity to congratulate the Italian Society for Histochemistry, who will organize the Congress in Rimini, Italy in 2025. Secondly, a new Executive committee was formed and I am happy to announce that I will be joined by Roberta Di Pietro (SII) as treasurer, Toyoshi Fujimoto (JSPS) as secretary-general, Liliana Schaefer and Marg arida Barroso (both HCS) as councillors. The hard work that was put into the Congress organization and preparation should also be stressed. The Congress was preceded by several virtual Committee meetings as well as frequent inter-Society e-mail communication, which are both immensely valuable for the IFSHC cohesion.

Looking ahead to 2023 and further, a crucial task is standing before us – establishing the Federation a legal entity. Hopefully, with a dose of help and determination of the member societies, we will make this accomplishment.

Generally, our common purpose as a Federation lays in maintaining and strengthening networking activities within the community, encouraging each other in establishing scientific interactions, joint collaborations, exchange of information and last but not least, participation in the coming meetings. To facilitate this, we will be pleased to promote any (immuno)histochemical and cytochemical events you might organize nationally or jointly on the ifshc.com website. The website is currently undergoing an update and will be published in a new design soon.

I hope that all of our Member Societies and the whole IFSHC will thrive in the coming 2023.

With best wishes,
Pavel Hozak

Message from the IFSHC Secretary-General TOYOSHI FUJIMOTO, M.D., Ph.D.

Dear Colleagues,

It is my great pleasure to write this message as Secretary General of the IFSHC. I take over this position from Dr. Zbigniew Kmiec, who has done an outstanding job during his tenure from 2008 to 2022. I will do my best to succeed him and fulfill the responsibilities of the position.



Looking back over the past year, the most notable event was ICHC2022, which took place in Prague at the end of August. As reported in this newsletter, the conference was a great success and all participants enjoyed the REAL conference, which was held after two postponements. I would like to thank again Dr. Pavel Hozak and his colleagues for making this possible.

It may be too early to think about the next ICHC, but it will be held in the summer of 2025 in Rimini, Italy. The beautiful venue and tentative program can be found on the page prepared by the Italian Society in this newsletter, and I strongly believe that ICHC 2025 will be another wonderful opportunity to meet and enjoy science together. Although it is still two and a half years away, I hope you will make plans to join us.

As reported by our member societies, despite the constraints imposed by the COVID-19 pandemic, many activities have taken place in 2022 and many more are planned for 2023. We would be happy to receive information from your societies on upcoming scientific meetings and courses. These may be published on the IFSHC website (www.ifshc.com). It has recently been completely redesigned to make it more user-friendly and attractive.

I wish you all a happy and fruitful year with peace in the world.

Best wishes,
Toyoshi Fujimoto

Message from the IFSHC Treasurer

ROBERTA DI PIETRO, M.D., Ph.D.

Dear Colleagues,

it is a great honor and a privilege for me to hold the position of Treasurer of the IFSHC and I wish to thank Professors Hinke Multhaupt, Serap Arbak, Zbigniew Kmiec, Pavel Hozak and, moreover, Professor Toyoshi Fujimoto for the great job done before my involvement and for supporting me in this new task.



Thanks again to all the member societies for financially supporting the activities of the IFSHC. As you know, the smaller societies (with less than 100 members) are asked for an annual contribution of 100 euro, whereas the bigger societies (with more than 100 members) are asked for an annual contribution of 200 euro. It is up to each society to pay their dues annually, every 2 years or every 4 years prior to the ICHC Meeting.

The annual dues from the member societies are used for the Paul Nakane and the Glick awards, and most importantly, for the Young Histochemist awards which are paid during the ICHC Meeting. Please be reminded that only those societies who pay the annual dues in full are entitled to send a voting and a non-voting Delegate and nominate a Young Histochemist to award in the next ICHC which will be held in Rimini in August 2025.

According to the last financial report presented at ICHC 2022 in Prague, the IFSHC has a stable financial status. However, we have in mind to change the interim bank account opened by Prof. Hinke Multhaupt as soon as we obtain the charity status which is necessary to open an official bank account entitled to IFSHC.

Meanwhile you can use this account for your payments:

Account holder: HAB VAN HEMERT

Account number: NL53 ABNA 0539 7329 23

Bank: ABN AMRO BANK N.V. (Head Office)

SWIFT/BIC: ABNANL2A

Address of the bank: GUSTAV MAHLERLAAN 10, AMSTERDAM, Postcode 1082

I will keep you informed in case of any changes of the bank account and would appreciate your understanding and cooperation.

Please do not hesitate to contact me if you have any questions related to financial issues.

With my best wishes for a successful and healthy 2023!

Roberta Di Pietro

ICHC 2022 REPORT

Dear Colleagues,

Writing this report as the 16th ICHC organizer, I would like to first thank all of the active Members for the help and time they took to support the event. Most importantly, it is essential to extend the appreciation to the very participants of the ICHC for their contributions, Q&A questions and cheerful attitude, which really made the event.

16TH INTERNATIONAL CONGRESS OF HISTOCHEMISTRY AND CYTOCHEMISTRY

PRAGUE 28 - 31 August 2022



The ICHC was held in Prague, Czech Republic in the Vienna House Diplomat Hotel, a venue frequently hosting important international and national meetings, from 29-31 August, 2022 and it was a second ICHC co-organized by the Society for Histochemistry. The event attracted 130 registered participants from 18 countries (incl. Austria, Czech Republic, Denmark, Estonia, Germany, Hungary, Italy, Japan, Netherlands, Poland, Romania, Russian Federation, Serbia, Spain, Switzerland, Turkey, United Kingdom, United States). The organizers managed to obtain support from 8 industrial partners, who participated in the ICHC Exhibition to showcase the latest technological advancements. Social program provided the ground for networking in the nice setting of the Strahov Monastery Brewery, followed by the more formal Gala Dinner in the Art Nouveau restaurant Municipal House.



The scientific program was divided into 10 sessions covering topics from the current research fields of immunohistochemistry, stem cell biology, developmental biology, pathology, neuroscience, cancer and infectious diseases. Plenary and invited lectures belonged among the highlights of the scientific program including: 2 Robert Feulgen Lectures given by Dr. Christian Mühlfeld, Hannover Medical School, Hannover, Germany and Dr. Ohad Medalia, University of Zurich, Switzerland, the Acta Histochemica et Cytochemica lecture by Prof. Robert Osamura and the David Glick Award keynote



lecture presented by the Nobel prize laureate Prof. Stefan Hell, Max Planck Institute for Biophysical Chemistry, Germany.

As great emphasis was placed on support of young Investigators and PhD students, five of them were awarded the Young Histochemist Award at the ceremony on the closing day and many more were granted scholarships by the individual Member Societies.

I look forward to seeing you all at the future meetings, especially the next ICHC in Rimini, Italy in 2025.

Best regards

Pavel Hozak





Czech Society for Histo- and Cytochemistry

Activities of the Czech Society for Histo- and Cytochemistry in 2022:

In 16th International Congress of Histochemistry and Cytochemistry, held in Prague, Czech Republic, in August 28–31, 2022, Young Histochemist Award was granted to Kateřina Čížková from Palacky University Medical Faculty in Olomouc.

Morphology 2022 and 58th Lojda Symposium on Histochemistry was held in Hradec Kralove, Czech Republic, September 11-13, 2022. On the occasion of the opening ceremony, Winning Lecture of the 2022 Czech Society for Histochemistry and Cytochemistry Award was handed to Karolína Strnadová, MSc. (Charles University in Prague) for her publication in *Histochem Cell Biol.* 2022;157(2):153-172. Symposium programme covered the topics of Neurosciences, Developmental Biology, Oncology, Stem Cells, and Morphogenesis. Symposium was attended by 132 participants.

A two-day CSHC workshop on Processing Digital Microphotography I and II was organized in Hradec Kralove, Czech Republic in September 13-14, 2022, and covered principles of taking microphotographs and their processing to yield high quality images.

Plans for 2023

Morphology 2023 will be held in September 7-9, 2023, in Martin, Slovak Czech Republic.

The workshop „Image analysis in immunohistochemistry“ will be held in 2023 in Hradec Kralove. Workshop will cover basic principles of stereology and image analysis from the point of view of their applicability to quantification of immunohistochemical detections. It will explain basics of image processing and how to select regions of interest and get reliable data. Trainees will be able to carry out measurements of basic parameters including length, surface area, number of cell nuclei and intensity of cytoplasmic immunopositivity.



Histochemical Society Report to the International Federation of Societies for Histochemistry and Cytochemistry

In April of this past year, The Histochemical Society celebrated the final year of *Experimental Biology*. This conference had been a welcome home for our annual meeting and award ceremony. The American Society for Investigative Pathology had been our host society at this iconic meeting for many years. The 2022 event was held in Philadelphia, PA, April 2-6. HCS hosted a session entitled: ***Cancer – Instructive Roles of Extracellular Matrix***, chaired HCS President, Liliana Schaefer, PhD. Talks included: ***Rigid Microenvironments and Genetic Change: Correlations and Causation***, Dennis E. Discher, PhD • University of Pennsylvania; ***How Changes in Extracellular Matrix Assembly Contribute to Disease***, Jean E. Schwarzbauer, PhD • Princeton University, ***Role of ECM in Chemotherapy-Induced Metastasis***, Madeleine Oudin, PhD • Tufts University, and Mitophagy, Angiogenesis, and ***Extracellular Matrix in the Development and Progression of Breast Cancer***, Thomas Neill, PhD • Jefferson University.

The Journal of Histochemistry & Cytochemistry also hosted a lecture, chaired by the JHC Editor, Dr. Stephen Hewitt, PhD. This session featured Invited Speaker: Rafael Kramann, Aachen University, who presented: ***Mapping kidney and cardiovascular fibrotic disease using spatial and single cell genomics***.

We saw many of our colleagues and good friends in Philadelphia. It was a welcomed opportunity to meet in person after a couple of remote years. While it was the end of an era, we look ahead excitedly to the next HCS annual meeting and new partnerships....

HCS 2023 Annual Meeting

In October 2023, HCS will join with two partner societies for a collaborative meeting in beautiful Salt Lake City, Utah.

Tissue, Matrix, and Pathobiology is an exciting new multidisciplinary and collaborative joint meeting of the American Society for Matrix Biology (ASMB), The Histochemical Society (HCS), and the American Society for Investigative Pathology (ASIP). This meeting will feature cutting edge basic, clinical, and translational research related to a variety of topics that reflect normal biology of cells and tissues, and the molecular and cellular alterations that drive disease processes and accompany the development of disease.

The meeting will include award lectures, plenary sessions, symposia, and workshops featuring speakers who are leaders in their respective fields of study. Abstract-driven mini-symposia and interactive poster sessions will also be programmed across the participating Societies. There will be ample opportunities for trainees and other young investigators to present their research in oral sessions.

The meeting will also feature education and career development sessions that are focused on the needs of the current generation of trainees and young investigators. A generous scholar award program will provide **travel grants for trainees** and junior faculty who are members of the participating Societies. HCS warmly welcomes the Japan Society for Histochemistry and Cytochemistry as a special guest at this event.

The meeting venue is the [Grand America Hotel](#) in downtown Salt Lake City, ten minutes from the Salt Lake City International Airport, and walking distance to hundreds of restaurants. This venue provides ample and beautiful space for scientific sessions, education and career development events, and networking/social events.

Scientific Program Highlights

- Extracellular Matrix Biology
- Liver Pathobiology
- Cardiovascular Diseases
- ECM Receptors
- Pathobiology of Fibrosis
- Cancer Pathobiology
- Matrix Disorders
- Neuropathology
- Organoid Models of Disease
- Mechanobiology
- Inflammatory and Infectious diseases
- Cell-Matrix Interactions

Tissue, Matrix & Pathobiology

Oct. 22–25, 2023 | Salt Lake City, UT



Joint meeting of   **ASIP**
American Society for Investigation of Pathology

If you haven't been to this part of the western United States, it is worth a visit! Look for more details of this innovative meeting, ***"Tissue, Matrix, and Pathobiology: Joint Meeting of ASMB, ASIP, and HCS"*** coming very soon!

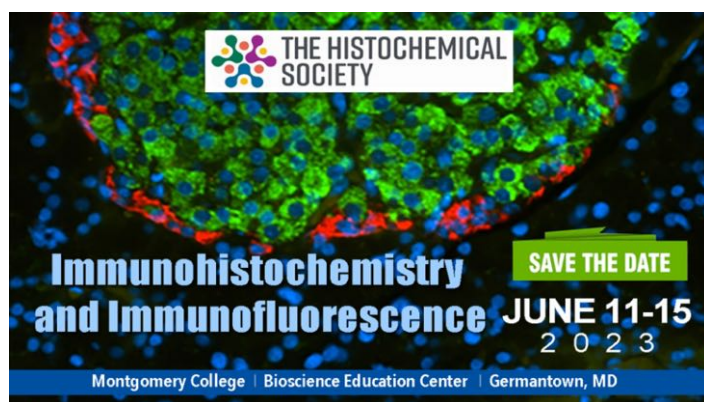
HCS Webinars

The Histochemical Society offered a robust schedule of scientific and professional development webinars in 2022. Many of these events were collaborations with other societies, many featured HCS awardees and innovative talks. A series of webinars are planned for 2023. [HCS webinars](#) are always free and open to all.

HCS Award Program

HCS is committed to supporting young scientists and recognizing the work of senior researchers through our awards program. HCS offers awards at all career levels. In 2022, HCS supported more trainees than ever with travel awards and grants. The society had a record number of applications and responded with increased support for courses, meetings, and workshops. HCS offers award programs 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. Visit the [HCS website](#) to read more about the award programs or to apply for an award.

IHCIF Course 2023



Despite COVID delays, in 2022 The Histochemical Society successfully introduced a new course ***Immunohistochemistry and Immunofluorescence (IHCIF): A Histochemical Society Hands-on Training Course***. The course was held in conjunction with BioTrac at the Bioscience Education Center at Montgomery College, Germantown, Maryland. The course received rave reviews from participants and was featured in the local media. All parties immediately agreed to continue the partnership

and a second year of this course is now scheduled. The course provides students with the information and skills required to perform robust and reproducible studies using immunohistochemistry. Students will be exposed to chromogenic and fluorescence immunohistochemical methods that will be visualized with bright-field and epi-fluorescence microscopes. This advanced research course will be 4.5 days (~10 hours per day) and will include classroom lectures, hands-on training using formalin fixed paraffin embedded tissues, various combinations of antibodies and detection systems, and imaging sessions of immunostained tissues generated

by students in the laboratory. Throughout the course, participants will receive feedback from experts and will be involved in discussions on assay development and troubleshooting. This course is appropriate for beginning scientists and those with more advanced skills, including undergraduate and graduate students, laboratory technicians, postdoctoral researchers, and new and established faculty/clinicians seeking to gain comprehensive training in immunohistochemistry and a better understanding of microscopy techniques and digital imaging. Participants will be grouped appropriately. 2023 registration is now OPEN! The course has limited spaces so there will be an excellent student to faculty ratio. Germantown, Maryland is in the Washington, DC metro area so very accessible for international flights. Travel Awards Will Be Available. Visit the [HCS website](#) for more information about this course.

For more information about events, awards, or the society, contact: Kendra LaDuca, HCS Executive Director, kladuca@histochemicalsociety.org



The year 2022 has been memorable for the Italian Society of Histochemistry (SII).

Last January, a new Executive Board and a new President were elected to lead the SII up to the year 2025. The new President, Prof. Roberta Di Pietro, from the University of Chieti-Pescara, Italy, is grateful for the great job done by the Past President, Prof. Elisabetta Falcieri, despite the 2 year-difficulties due to the COVID pandemic. The SII endeavors to promote the organization of Conferences, Seminars, Round-Table Discussions, Specialized Courses, including Practical-Applicative Courses, to expand the dissemination of scientific information, to create contacts and links with other groups and similar associations in Italy and abroad.

This year the SII website (<https://www.istochimica.it/?l=en>) has been renewed after being taken down and, more importantly, has been updated and translated into English to improve international dissemination and sharing. A new collaboration has started with Prof. Carlo Pellicciari, Editor in Chief of the European Journal of Histochemistry (EJH), the Official Organ of the Italian Society of Histochemistry and, as of 2022, of the Italian Group for the Study of Neuromorphology (G.I.S.N.). EJH is a long-time established influential journal dealing with cell death and differentiation, cell-cell interactions, histochemistry, and cytochemistry. Special issues are edited to publish the abstracts of our National and International Congresses.

A consistent number of SII members attended the 16th International Congress of Histochemistry and Cytochemistry 2022 in Prague: 4 of them were invited speakers, 5 were session chairs, 6 presented oral communications and 2 of them presented posters. Four Young Investigators (Drs. Alessia Iaiza, Maria Vittoria Marvi, Ludovica Ceci and the student Luca Di Angelo) were awarded with 500 €/each by our Society to promote their participation as speakers or poster presenters at the Congress and one of them, Dr. Maria Vittoria Marvi, was granted with the Young Histochemist prize awarded by the IFSHC.

Two representatives of the Society participated as voting (Prof. Roberta Di Pietro) and non-voting (Prof. Luca Maria Neri) Delegates at the IFSHC Delegate Assembly and proposed the town of Rimini, Italy, as the Congress Site of the next 2025 edition of the ICHC. Rimini successfully received a large majority of Delegates votes and therefore the Italian Society of Histochemistry was identified as the ICHC 2025 organizer. This was unprecedented in the history of SII and will be the first time for Italy to host an ICHC Congress since its first edition in 1960. Furthermore, the SII President was elected as a member of the new Executive Committee of IFSHC, and she was designated as the new Treasurer of the IFSHC.

In the following pages we show some photos of the SII members participation at the 16th International Congress in Prague and give some advances on the ICHC 2025 in Rimini, Italy.





TENTATIVE SCIENTIFIC PROGRAMME OF 17th ICHC 2025, RIMINI, ITALY



Tentative Scientific Programme

Congress Site:

Rimini, Italy

Congress Venue:

Palacongressi – Rimini

Dates:

Wednesday, 27 August, 2025 – Saturday, 30 August, 2025

General organization and Main Topics:

Opening and Closing Ceremony

IFSHC Assembly and Delegates' Meetings

Keynote lecture: Ornella Parolini (Italy), Immunological Mechanisms in Regenerative Medicine: Lessons from the Human Placenta

Plenary Sessions

Frontiers in Stem Cells and Regenerative Medicine

Advanced Research in Cell Death and Differentiation

Soft and Mineralized Tissues Homeostasis and Repair

Muscle Physiology, Physiopathology and Ageing

Neurovascular Unit: from Structure to Pharmacological Targets



ITALIAN EXHIBITION GROUP

Tentative Scientific Programme

Theoretical-practical Workshops organized by Italian or International Societies:

Next Generation Flow Cytometry: Advances in Cell-Specific Characterization of Extracellular Vesicles

Next Generation Technologies in Cytochemistry, Histochemistry, and Microscopy (Virtual Microscopy, Correlative Light-Electron Microscopy, 3D Ultrastructural Reconstruction)

KET (Key enabling Technologies) in Microscopy

The Morphological and the Multiomic vision: toward a Morpholomics Approach

Company and Poster Sessions

Young Histochemists and Poster awards

Social activities:

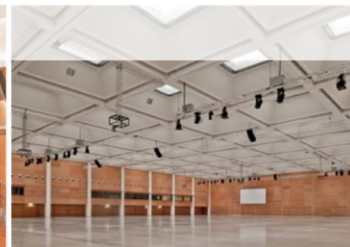
Welcome Cocktail and Concert in the Sismondo Castle

Happy Hour and Dolce Vita experience in the traditional Fish Market of the City

GALA DINNER (San Patrignano House or Embassy Club or Sala Ressi Galli Theatre etc.)



The venue:
the PalaCongressi of Rimini



PALACONGRESSI - RIMINI | Venue Overview

- Opened in 2011
- One of the Largest Conference Centers in Europe
- 9,000 Seats at Full Capacity
- 38,000 sqm Total Area
- 11,000 sqm Exhibition Area
- 3 Main Entrances
- 39 Maximum Number of Halls
- 1,600 Amphitheater Seat Capacity
- 4,700 Main Hall Seat Capacity
- Barrier-Free Facility
- State-of-the-Art Technologies
- High-Quality Italian Style Furnishings
- Digital Signage Systems – Dynamic Communication
- Free WI-FI in the Entire Structure
- Catering Provided in all Areas
- Environmentally-Friendly
- Bea World Best Location Award 2019
- CRS Project: FOOD FOR GOOD



PALACONGRESSI - RIMINI | Meeting Rooms & Spaces



RIMINI | Location and Accessibility

On the North-East Coast of Italy, facing the Adriatic Sea.

Warm and pleasant climate from April to October, with average temperatures: min. 22°C - max. 34°C.

Accessibility

Four Airports within a one-hour drive:

- Bologna International Airport "Guglielmo Marconi"
- Rimini International Airport "Federico Fellini"
- Forlì Airport "Luigi Ridolfi"
- Ancona Airport "Raffaello Sanzio"

Easy connections from Airport to Venue:

- Shuttle bus connections from the Main International Airports
- MarconiExpress from Bologna Airport
- Frequent High-Speed Trains from/to Major Cities and Main International Airports



OTHER ACTIVITIES UNDERTAKEN IN 2022

Patronage:

- V Course of Electron and Confocal Microscopy in Botany, Scientific Area of Via Campi, Modena, Italy, 2, 5-6 December 2022
- Lake Como School of Advanced Studies, Unravelling the complexity of biological systems by electron microscopy. Lake Como, Italy, 2-6 May 2022

Congresses:

- Organization of the XXXIX National Congress of the Italian Society of Histochemistry, Vulcano Island, Italy, 14-16 June 2023

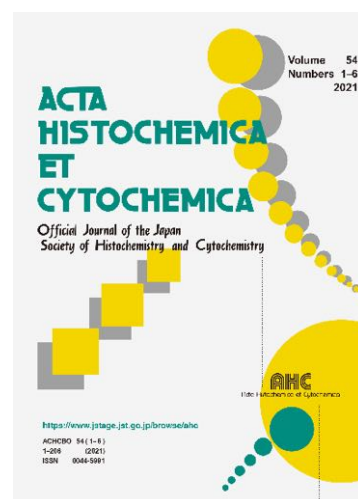
The major annual activities of the Japan Society of Histochemistry and Cytochemistry (JSHC) are a seminar on histochemistry and cytochemistry usually held in August, general meetings and scientific meetings usually held in October or November, and publication of *Acta Histochemica et Cytochemica* (AHC), the society's flagship open access journal published in six volumes annually. In 2020 and 2021, due to the Covid-19 pandemic, the seminars and the general meeting/conference were held via the web, and we were not able to actually gather at the venue and communicate with each other.

In 2022, we were able to hold the face-to-face histochemical seminar at Kyoto Prefectural University of Medicine (Kyoto) in August for the first time in three years with Prof. Masaki Tanaka as the executive committee chair. In addition, the General Assembly and Annual Meeting were held at Nippon Medical School (Tokyo) in October for the first time in three years, with Prof. Hitoshi Ozawa (Professor, Bukkyo University / Professor Emeritus, Nippon Medical School) as chairperson.

AHC has been published steadily and accessed by numerous readers throughout the world. Its Impact Factor is on the rise (IF=1.857 for 2021), indicating an increasing number of publications of high-quality articles. With prompt review process, the average submission to acceptance time is 78 days in the year 2022, and the accepted manuscripts are released rapidly as early online publication. The articles can be read at <https://www.jstage.jst.go.jp/browse/ahc>. We welcome submissions from all around the world through Editorial Manager (<https://www.editorialmanager.com/ahc/>).

Lastly, the next board members of JSHC were elected this year, and the new board members will be appointed from January 2023 to December 2026, and the president will change from Prof. Hitoshi Ozawa to Prof. Yoshitaka Hishikawa (University of Miyazaki). Under the new members, we will aim to continue to run the society to the fullest next year and beyond.

We look forward to seeing the members of the JSHC in near future.



The year 2022 marked the first meeting of the Polish Society after 3-year long pandemic break.

The 54th Symposium of the Polish Society was organized in May, 23-25, 2022 by colleagues from the Bydgoszcz/Torun of the Society at the Nikolaus Copernicus University in Toruń, Medical College in Bydgoszcz, Poland. The meeting was entitled: ***"Histochemical and cytochemical techniques: where we are and where we are going to"***.

The opening lecture was presented by Professor Piotr Dziegiel (Medical University of Wrocław, Poland) – ***"Do genes rule over cancer?"***. During the Opening Ceremony the current and former presidents of the Polish Society President of the Polish Histochemical and Cytochemical Society, professors Mariusz Majewski and Barbara Bilinska, presented Professor Dziegiel with the highest distinction of our society, i.e. Honorary Membership.



Opening lecture



Professor Piotr Dziegiel, MD, PhD (right) receives the diploma of the Honorary Membership of the Society

Altogether 93 scientists participated in the Symposium, which was subdivided into 6 plenary sessions and a poster session with 33 posters. Apart from the high scientific level, the Symposium was also a social success thanks to the efforts of the local organizers (Prof. Alina Grzanka and Prof. Maciej Gagat with their young and dedicated team of coworkers).

A new board of Society was elected for the years 2022-2025 with Prof. A. Bossowska (President), professors P. Czekaj and M. Gagat (Vice-presidents), Dr. B. Wasilewska (Secretary) and Dr. A. Wrońska (Treasurer).



Symposium participants

The next, 55th Symposium of the Polish Histochemical and Cytochemical Society, will take place in 2023 in Rzeszów, a new flourishing academic centre in Poland.

As we approach the end of 2022, the RMS can reflect on a successful and highly eventful year, in which we made a very welcome return to in-person meetings, conferences and courses as restrictions associated with the COVID-19 pandemic came to an end. It has also been a year for exciting developments in the Society's Life Sciences activities, and new initiatives aimed at supporting RMS members and the wider community working in microscopy.

Around 20 RMS meetings and courses took place this year including well-attended, in-person events such as Frontiers in Bioimaging 2022, FlowcytometryUK 2022 - both showcasing some of the latest techniques and applications in Biological Sciences. The RMS also staged Abercrombie Meeting 2022 in Oxford, which provided attendees with an excellent opportunity to review the major advances in our understanding of cell motility and some of the emerging concepts in the field.

We have also continued to deliver online and hybrid events where appropriate – in recognition of the increased accessibility and inclusivity the virtual format can provide. Our first ever hybrid meeting, AFM & SPM 2022, took place in Sheffield in July, and in another first for the Society, our Annual General Meetings in September were live-streamed from the Royal Society of Chemistry in London, as part of Microscopy: Advances, Innovation, Impact 2022. To coincide with this event, we announced our full range of RMS award-winners for 2022, covering all aspects of microscopy, imaging and cytometry. Among those receiving their awards in person was RMS Early Career Award-winner Katherine Paine (photo), who attended ICHC as a Young Histochemist. You can find out more about all our winners at

www.rms.org.uk



Also among our online offerings, the International Microscopy Lecture Series welcomed talks from some of the biggest names in microscopy, including leading cell biologists Professor Benjamin Geiger and Professor Jennifer Lippincott-Schwartz. Alongside our partners, The Microscopical Society of Canada, The Israel Society for Microscopy, and the Microscopical Society of Brazil, and with ongoing support from the International Federation of Societies for Microscopy (IFSM), we will continue to deliver further lectures in 2023.

New initiatives

In June the Society became proud signatories of the Technicians Commitment, alongside the BioImagingUK network. The Technicians Commitment is a national scheme supporting technicians working in higher education and research, across all disciplines. The RMS and BioImagingUK have jointly set out a Statement of Action, detailing how we are helping to address the key challenges affecting technical staff – both in terms of actions already taken and those planned for the future. Find out more here:

<https://www.rms.org.uk/community/technician-commitment.html>

Meanwhile, at the Frontiers in Bioimaging 2022 meeting in July, we officially launched our pilot mentoring scheme aimed at supporting RMS members at all career levels. The Application Coaching and Personal Mentoring Scheme offers peer-to-peer support for both career development and technical skills in microscopy, imaging and flow cytometry. Find out more here:

<https://www.rms.org.uk/opportunities/mentoring-schemes.html>

As part of the RMS's commitment to being a welcoming and inclusive society, we have also launched a new Equality, Diversity, Inclusivity and Accessibility policy. This consists of a working document produced by the Society's EDI&A group, recently set up to look into the RMS's existing policies and to review all its activities. The RMS strives to be accessible, inclusive and encourage diversity in all its activities. We recognise that there is still much work to do, and welcome discussion and scrutiny of all our policies and actions. Find out more here: <https://www.rms.org.uk/community/edi-a-group.html>

BioImagingUK update

BioImagingUK is a community network co-funded by the Royal Microscopical Society and UKRI-BBSRC with aims around strategy, training, career development and community engagement. In 2022, together with our partners UKRI, we oversaw application of the UK Node to EuroBioImaging, successfully resulting in its ratification in October. Consisting of seven distributed sites, this Node will offer open access to a wide range of advanced bioimaging techniques including correlative, multimodal, high-content and super-resolution microscopy. In 2021/2022, BioImagingUK ran a second round of Business Interaction Vouchers generously supported by the RMS and UKRI-BBSRC, to encourage collaborations between academic and industrial partners. After a three-year gap, the network held a well-attended in-person meeting at the Francis Crick Institute in London where the next goals and priorities were enthusiastically discussed and agreed.

Save the date!

Microscience Microscopy Congress 2023 (mmc2023) incorporating EMAG 2023 takes place at Manchester Central from 4 – 6 July 2023. The flagship RMS event is returning to Manchester Central for the first time since 2019, showcasing the very best in microscopy, imaging and cytometry. www.mmc-series.org.uk





SOCIETY FOR HISTOCHEMISTRY

www.histochemistry.eu

Activities of the Society of Histochemistry in the year 2022 focussed on hosting the 16th International Congress of Histochemistry and Cytochemistry in Prague, Aug. 28th – 31st, 2022. Due to the Covid pandemic this meeting, originally planned for 2020, had to be postponed twice.

The Society for Histochemistry supported two Plenary Lectures:

Toyoshi Fujimoto, Juntendo University, Tokyo, Japan, gave an update on his research presented in his Robert Feulgen Lecture in 2019; title of the presentation: “New Roles of Lipid Droplets: A Histochemical Journey”.

Ohad Medalia, University of Zurich, Switzerland presented his data as Robert Feulgen Lecture 2022; title of the presentation: “From actin to lamins by in situ structural biology”

The Symposium of the Society of Histochemistry took place as SfH-dedicated sessions in context of the International Congress of Histochemistry and Cytochemistry. The SfH session focussed on the topics “Sample Processing, Probes, Histopathology and Quantitative Approaches” and was held, divided in two parts, as morning sessions on Aug. 30th and Aug. 31st. It featured two invited speakers:

Christian Mühlfeld, Hannover Medical School, Germany was Feulgen Prize Awardee of the year 2020. The accompanying presentations (shared prize Christian Mühlfeld/Hari Shroff) were given at an online meeting in Sept. 2021. Christian Mühlfeld present further data on “3D methods of analysing the pulmonary vasculature and their application to studies of lung development”.

Takehiko Koji, Nagasaki University Grad. Sch. of Biomed. Sci., Japan was invited by the Journal of SfH, “Histochemistry and Cell Biology”. His lecture was entitled “Differentiation-Dependent Changes in Epigenetic Factors in Mouse Spermatogenesis and Their Possible Relations to Germ Cell Apoptosis”.

The Society of Histochemistry was able to support three young Scientists with a travel award: **Claudio Casali**, Università degli Studi di Pavia, Italy; **Yagmur Dilber**, Akdeniz University, Faculty of Medicine, Dept. of Medical Biochemistry, Antalya; **Alina-Teodora Nicu**, Genetics Department, Faculty of Biology, University of Bucharest.

Claudio Casali gave an oral presentation on oxidative DNA damage on the cell nucleus, Yagmur Dilber and Alina-Teodora Nico presented posters.



Turkish Society for Electron Microscopy

Turkish Electron Microscopy Society (TEMĐ) was one of the hosting society for 16th Multinational Conference -MCM16 held in Brno-Czech between September 4-9, 2022. Prof. Dr. Servet TURAN (Eskisehir Technical University) in the International Advisory Board, Prof. Dr. Serap ARBAK (MAA. Acibadem University) in the Scientific Program Board, Prof. Dr. Melek OZTURK (Istanbul University-Cerrahpasa) as a Chair in Life Science Session have served in MCM16.

TEMĐ President, Prof. Dr. Servet TURAN attended the EMS General Assembly held in this congress, both as a Board member and as a TEMĐ representative, and also at the MCM General Assembly. Prof. Dr. Melek ÖZTÜRK was the moderator and chairperson of the "LS3: Structural studies from macromolecules to tissues" session in the Life Sciences Department of the congress. Dr. Emir BOZKURT (Royal College of Surgeons in Ireland; RCSI) was an invited speaker in this session, the speech title was "Time-lapse microscopy reveals induction of entosis by TRAIL signaling". In the "MS2 Ceramics, rocks and minerals" session in the Materials Sciences Section of the Congress, another member of our association, Dr. Pınar KAYA (Materials Research Institute; IMFAA, Aalen University) was an invited speaker. Her presentation titled was "A key to develop novel ceramics: Microstructural design".

The PhD student Hakan ŞENTÜRK (Istanbul University-Cerrahpaşa) supported by TEMĐ scholarship, won the 'Best Poster Award' in the LS5 Session.



MICROSCOPY COURSE IN NEUROSCIENCE

'Microscopy Course in Neuroscience', has been held in October, 19, 2022 in microscopy and electron microscopy laboratories of Acibadem MAA University School of Medicine, Dept. of Histology and Embryology. Prof. Dr. Serap Arbak, Assist. Prof. Dr. Deniz Yücel and Assist. Prof. Dr. Merve Elmas organized the course within the framework of the 20th National Neuroscience Congress. One-day microscopy course covered the basic microscopy techniques used in neuroscience including Histochemistry, Immunohistochemistry, Confocal Microscopy and Transmission Electron Microscopy. Mentioned techniques were shared with 20 trainees on theoretical and practical basis. Prof. Dr. Serap Şırvancı and Prof. Dr. Dilek Akakın (Marmara University, School of Medicine, Dept. of Histology and Embryology) contributed kindly to the course. At the end of the day, certificates of attendance were presented to the participants.



16th International Congress of Histochemistry and Cytochemistry- ICHC 2022

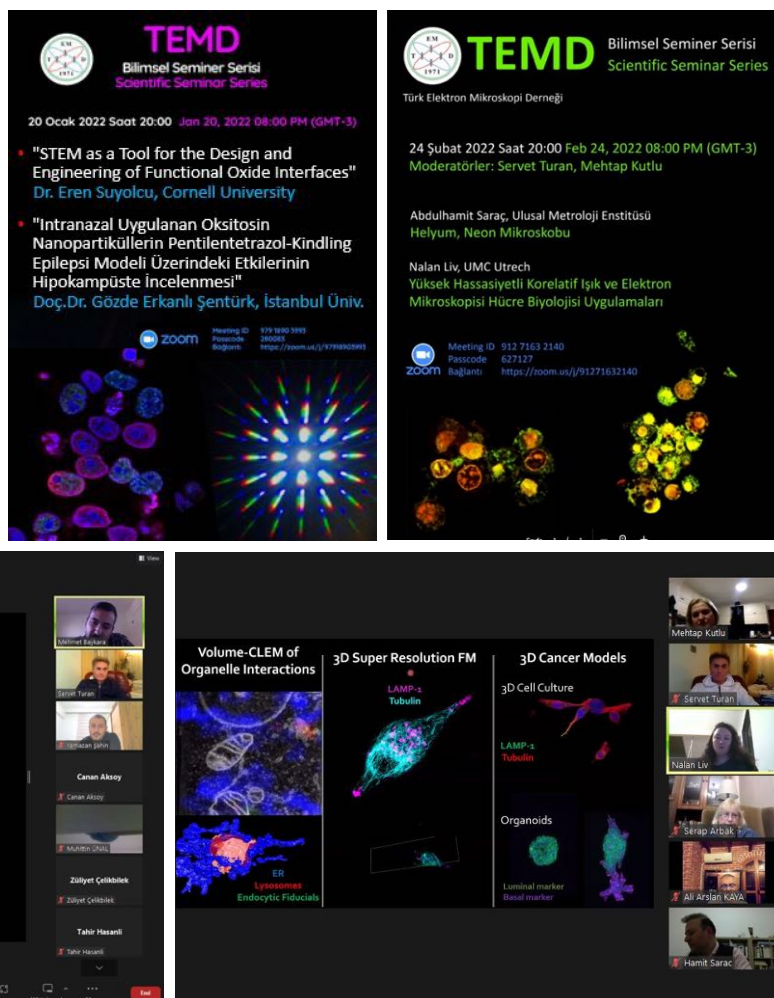
“16th International Congress of Histochemistry and Cytochemistry- ICHC 2022” Congress, chaired by Prof. Pavel Hozak, has been organized in August, 28-31 2022, in Prague-Czech Republic. Prof. Serap ARBAK (IFSHC Board Member and Congress Program Committee Member) and Prof. Melek ÖZTÜRK (Member of the International Advisory Board) have contributed to the congress organization. Prof. Serap Arbak, Prof. Ciler Celik Ozenci and Assist. Prof. Serçin Karahüseyinoğlu attended to the 1st and 2nd Delegates’ Meetings as ‘Delegates of Turkish Society for Electron Microscopy’. Italian Society for Histochemistry and Cytochemistry has been voted to organize “17th International Congress of Histochemistry and Cytochemistry -ICHC 2025” Congress in Rimini, Italy.

Prof. Serap Arbak has served to chair the plenary lecture delivered by Prof. Alev Erişir. Prof. Çiler Çelik Özenci (Effects of maternal circadian rhythm disruption on maternal, fetal, placental, and offspring health: Disintegrating early causal pathways of IUGR



in a life-course perspective), Prof. Nihal Karakaş (Biomarker Studies for the Diagnosis and Therapy of Glioblastoma Brain Tumor) and Assist. Prof. Serçin Karahüseyinoğlu (Application of Genome Edition Technology in Reproductive and Developmental Biology) were invited speakers from Turkish Society for Electron Microscopy. At ICHC 2022, Dr. Serenay Furat Rençber has received the "Young Histochemist" award. A total of 18 scientists from Turkey attended the congress with oral and poster presentations. ANATEK Company was among the sponsor companies.

During 2022 were organized 11 webinars related to biological and material sciences and at least 50-70 participants per webinar were attended.



A look ahead to 2023

Besides, regular monthly webinars, we will be organising a joint congress in Eskişehir, Turkey. The details are given below.

