



# **INTERNATIONAL FEDERATION OF SOCIETIES FOR HISTOCHEMISTRY AND CYTOCHEMISTRY**

**NEWSLETTER**  
*March 2014*



## INTERNATIONAL FEDERATION OF SOCIETIES FOR HISTOCHEMISTRY AND CYTOCHEMISTRY

[www.ifshc.com](http://www.ifshc.com)

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## IFSHC Newsletter March 2014



### MESSAGE FROM THE IFSHC PRESIDENT Serap Arbak, Ph.D.

Dear Colleagues,

I wish you all a very successful and prosperous New Year.

The Executive Committee of the IFSHC would like to establish strong communication links among our members and to enhance scientific collaborations. In recent years, some member Societies have not been active. One of our main targets is to try and bring these Societies back and stimulate the interactive scientific activities within IFSHC. I would like you to visit the IFSHC website ([www.ifshc.com](http://www.ifshc.com)) and provide us with your comments in order to improve IFSHC information and activities. We shall be pleased to hear about recent news from your societies including information about future scientific meetings. You also are invited to send abstracts from your scientific meetings to be shared on the IFSHC webpages.

The next International Congress of Histochemistry and Cytochemistry (ICHC 2016) will be hosted by the Turkish Society for Electron Microscopy in Istanbul, Turkey (June 19-22, 2016). The main goal of ICHC 2016 is to bring histochemists together from throughout the world and provide an environment for exposure to the latest advances in histochemistry and cytochemistry. ICHC 2016 will allow a forum for close cooperation, exchange of information and collaboration enhanced by the participation of many of the world's renowned researchers in the field of cell and tissue biology and immunochemistry. As Istanbul is centrally located between Europe and Asia, there will be easy access for scientists from all areas of the world.

The member Societies of IFSHC will be most welcome to organize a special session within the Conference. This will provide an excellent means to promote your society and involve your members in an international meeting. If possible, please send your membership e-mail list to Prof. Dr. Selma YILMAZER, Secretary of ICHC 2016 (drselmayilmazer@gmail.com). This will enable the Congress Organizing Committee to provide your members with information and updates about ICHC 2016 ([www.ichc2016.com](http://www.ichc2016.com)).

We hope that ICHC 2016 Istanbul will enable you to share your research with the international research community and to engage in discussions about the current issues in histochemistry and cytochemistry.

I wish you all the best for 2014,

**Serap ARBAK**



**MESSAGE FROM THE IFSHC SECRETARY-GENERAL,  
Zbigniew Kmiec, M.D.**

I would like to start this first Newsletter of 2014 by wishing all our members a happy, healthy and successful New Year.

First of all, we need your collaboration to update the details of the Officers of your society. It will be crucially important for us to communicate and maintain contact with the officers of the national societies.

As the second issue, 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 two international and 3 national societies, members of our Federation which were sent by their Presidents.

As a third issue, I want to encourage your society to use the IFSHC website at [www.ifshc.com](http://www.ifshc.com). Here we can announce information about your upcoming scientific activities for the years 2014 and 2015. Your constructive suggestions will stimulate exchange of ideas in order to optimize the use of our web site.

I wish you all the best in 2014 and hope to see you soon in one of the next scientific meetings.

**Zbigniew KMIEC**



**MESSAGE FROM THE IFSHC TREASURER,  
Hinke Multhaupt, Ph. D.**

Preparations for the next IFSHC meeting are progressing. The ICHC2016 meeting will be June 19-22, 2016 in Istanbul. Please note the dates and we look forward to seeing you and your students to attend the meeting.

The financial status of the IFSHC is stable and the accounts are sound. The income on the account is generated through the annual dues paid by our member societies. The finances of the Federation are used for the Paul Nakane and the Glick awards, and most importantly for the awards for Young Investigators nominated by the member societies. All societies who pay their annual dues are entitled to send a voting delegate and a Young Investigator to the ICHC meeting. However, I would urge 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. Please do not hesitate to contact me if you have any questions related to this.

Please send your payments to the **Nordea Bank** using the following information:

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With best wishes for a successful and healthy 2014,

**Hinke MULTHAUPT**

# SCIENTIFIC ACTIVITIES OF MEMBERS SOCIETIES

## SOCIETY FOR HISTOCHEMISTRY

### Society for Histochemistry & COST Nanonet Symposium

#### “Intermediate Filaments in Health & Disease”, Prague, 11 – 14 June 2013

The event, which was organized by Prof. Pavel Hozak, took place from 11 to 14 June 2013 at the Institute of Molecular Genetics of the Academy of Science, Prague (the Czech Republic).

The goal of the symposium was to bring together leading experts from the COST and Society of Histochemistry communities with young researchers and stimulate sharing of the latest developments in various fields of biomedicine dealing with intermediate filaments.

During the symposium 98 participants from 21 different countries discussed new findings of research on the biological characteristics of intermediate filaments and clinical manifestations of the intermediate filaments abnormalities. Special attention was given to new developments in imaging and histochemistry methods in intermediate filament research (e.g. combination of MRI with MALDI-MS techniques, new developments in high content and super-resolution microscopy, new techniques exploiting an engineered ascorbate peroxidase for biotinylation *in vivo* and for tagging of proteins and their visualization in electron microscopy).

The symposium consisted of plenary talks (Robert Feulgen lecture, Feulgen Prize laureate lecture and EMBO lecture), invited and contributed presentations, discussions, poster sessions and technical presentations.

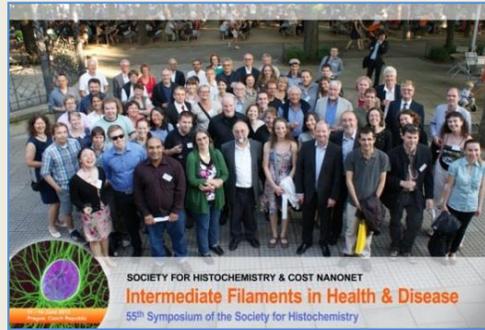
The Robert Feulgen lecture was delivered by prof. Robert D. Goldman (Northwestern University, Chicago, USA). Prof. Goldman presented results of his group's research showing how rare diseases, particularly progeria and giant axonal neuropathy, provide insights into the cytoskeletal and nucleoskeletal functions of intermediate filaments. The Feulgen prize laureate lecture was given by prof. Yaron Shav-Tal (Bar-Ilan University, Ramat Gan, Israel) on the dynamics of gene expression determined by analysis of single genes' expression in individual cells. The EMBO lecture given by prof. Ueli Aebi (Biozentrum & Swiss Nanoscience Institute, University of Basel, Switzerland) summarized current knowledge about intermediate filaments.

In total, there were 12 invited presentations and 24 contributed presentations divided into 8 sessions:

- Regulation of IF Assembly and Dynamics in Vivo and in Vitro
- IF Structure, Mechanical Properties and Mechanotransduction
- IF Associated Proteins and Regulatory Crosstalk in a Cell
- IFs in Pathology and Diagnostics
- Nuclear Lamins, Chromatin, Nuclear Architecture and Laminopathies
- IFs of the Nervous System: Function in CNS Pathologies
- Advances in Imaging Techniques for Cell Biology Studies
- Free Topics

A total of 34 posters were presented at poster sessions during which the participants of the symposium had a chance to discuss presented topics with the authors.

Roth J, Debbage P and Hozak P: In focus in Prague: intermediate filaments. *Histochem Cell Biol* (2013) 140:1-2, available online at <http://link.springer.com/article/10.1007/s00418-013-1106-9/fulltext.html>



## ROYAL MICROSCOPICAL SOCIETY

During the past year the following events were organized by the RMS:

- **The Facility Managers Meeting**  
<http://www.rms.org.uk/events/pastevents/index/fmm2013> which was held in January 2013 in Nottingham
- **A Digital Pathology Course** in Belfast in March 2013
- <http://www.rms.org.uk/events/pastevents/index/digitalpathology>
- **The Frontiers in BioImaging Meeting** in London in July 2013
- <http://www.rms.org.uk/events/pastevents/index/frontiersinbioimaging>
- **Cell Imaging Techiques Course** in Oxford in September 2013  
<http://www.rms.org.uk/events/pastevents/index/CellImagingTech>

***The year 2014 will be a very special year for the Royal Microscopical Society, as the Society will be celebrating its 175<sup>th</sup> Anniversary!***

To mark the anniversary a book will be published to update the history of the Society and microscopy from 1989 to present day and this will be launched at MMC 2014 (Microscience Microscopy Congress) to be held on 30 June – 3 July at Manchester Central [www.mmc2014.org.uk](http://www.mmc2014.org.uk) here will be a special anniversary session on the afternoon of Wednesday 2 July 2014 followed by a banquet at The Point, Lancashire Cricket Club.

In addition to the events in Manchester, there will be a special celebratory one day meeting on 19<sup>th</sup> September 2014 at Glaziers Hall in London. Further details of all these events will be available on the RMS website [www.rms.org.uk](http://www.rms.org.uk) as soon as they are available.

The Society has also been very busy furthering its outreach programme, and now has 50 Microscope Activity Kits which are sent out to primary schools  
<http://www.rms.org.uk/outreach/activitykit>

## **CZECH SOCIETY FOR HISTO- AND CYTOCHEMISTRY**

- **Morphology 2013** including the **50<sup>th</sup> Lojda Symposium on Histochemistry** was held in Martin, Slovak Republic in June 4 – 6, 2013, see:  
<http://www.cshc.cz/eng/konferencia.htm>
- **Workshop - Lojda Symposium „In situ Methods and their application“** was held in Brno, Czech Republic in November 20, 2013

### **2014 events:**

- **10th Symposium and Workshop of Molecular Pathology and Histo(cyto)chemistry will be organized in April 24-26, 2014** in Olomouci
- **Morphology 2014** that includes **51<sup>st</sup> Lojda Symposium on Histochemistry** will be held in Brno in September 7-9, 2014. Registration will open in March 1 until May 31, 2014; abstract deadline is May 31, 2014.

Detailed information will be displayed on website of the Czech Society for Histo- and Cytochemistry (<http://www.cshc.cz/eng/konferencia.htm>) since January 2014.

## **POLISH HISTOCHEMICAL AND CYTOCHEMICAL SOCIETY**

- **LXVII Symposium of the Polish Society took place at the University of Warmia and Mazury in Olsztyn, Poland, 06-08.09.2013.**

The conference's title was: '*From Labs to Clinics – Common Aim, Various Techniques*'. The plenary lectures were held in English, and the shorter oral presentation – in Polish. The conference was preceded by a Satellite Symposium '*Modulating the structure of the adipocyte in response to changes in energy balance*' organized by Professor Leslie Kozak from Olsztyn, Poland. It included six lectures by 4 speakers from the USA and 2 from Poland and 10 posters.

The keynote lecture 'Nanoscale distribution of membrane lipids observed by electron microscopy' was presented by Professor Toyoshi Fujimoto (Nagoya, Japan), and 3 plenary lectures were held by Professors Greg Kelly (London, Ontario, Canada), Petr Dubovy (Brno, Czech Republic) and Barbara Gawronska-Kozak (Olsztyn, Poland). Altogether, 200 participants took place in the Symposium, there were 4 plenary sessions including 'Session of young scientists'. During the poster session 110 posters were presented. Apart from the high scientific level, the Symposium was also a social success thanks to the efforts of the local organizers (Professor Anna Robak with her team). The abstracts of the Symposium have been printed in a book and are available at the web page of the IFSHC, [www.ifshc.com](http://www.ifshc.com).

- During the symposium the annual meeting of the Polish Society's members took place. For a second term the same council was elected with Prof. Piotr Dziegiel as President, Prof. Marzena Podhorska-Okolow as Secretary and Professor Nowak as a Treasurer. The Secretary presented a short summary of the activities of the Polish Society for Histochemistry and Cytochemistry for the last year. Currently, the Polish Society has 339 members (including 32 retired and 8 Honorary Members) organized in 12 local branches in country's key academic centers. The main way of activity of local branches is to organize short scientific meetings with invited speakers from inland and abroad. Altogether, in the year 2012-2013 twenty eight such meetings took place over the country.

#### **TURKISH SOCIETY FOR ELECTRON MICROSCOPY**

- **21<sup>st</sup> National Electron Microscopy Congress (with international participation)** has been organized under the auspices of the Turkish Society for Electron Microscopy by Mersin University, School of Medicine, Department of Histology and Embryology. The congress aimed to establish an intensive scientific platform in the fields of both Biological and Materials Sciences by the participation of national and international experienced microscopists, as well as the young researchers. "Prof. Dr. Türkan Erben Research Award", as well as the Best Poster and the Best Micrograph Awards were presented during the Congress.

The congress had an attendance of 450 participants and consisted of 30 invited presentations, 32 contributed talks, 4 technical presentations and 171 poster presentations in the field of Instrumentation and Techniques, Material Science and Biological and Medical Science.

- **"Symposium on Diabetes: Clinical and Experimental Approaches"** co-organized by Acibadem Univ. Faculty of Medicine, Dept. of Histology and Embryology and Turkish Society for Electron Microscopy was held on May 24, 2013 at Acibadem Maslak Hospital Conference Hall with participation of eighty researchers from various universities.

In the first session, Prof. Dr. H. Hatemi presented his opinions about the relationship between hypertension and diabetes in a presentation entitled 'Hypertension and Diabetes'. Assist. Prof. Dr. O.S. Mericliiler, from Acibadem Univ. School of Medicine, Dept. of Internal Medicine, presented 'Classification of Diabetes mellitus and diagnostic criteria'. Prof. Dr. I. Bildirici, from Acibadem Univ. School of Medicine Dept. of Obstetrics and Gynecology, presented 'Diabetic Embryopathy:

cellular mechanisms'. Prof. Dr. Ron van Noorden from Amsterdam Univ. Medical Fac. Dept. of Cell Biology and Histology, presented his research on 'The angiofibrotic switch in the diabetic retina'. Prof. Dr. E. Karaoz, from Kocaeli Univ. Center for Stem Cell and Gene Therapies Research and Practice, presented 'The stem cell potential of Islets of Langerhans, Pancreatic Cells'. The symposium concluded with a presentation entitled 'STZ-induced diabetes and beta cell regeneration', presented by Dr. F.K. Dagistanlı from Istanbul Univ. Cerrahpasa Faculty of Medicine, Fac. Dept. of Medical Biology. New scientific research was vividly discussed with active audience participation with questions and comments in the symposium.

- TSEM has been one of the organizing societies as 'invited society' of the 'Multinational Congress Regensburg Germany 2014' ([www.mc2013.de](http://www.mc2013.de))
- TSEM also organized 8 local one-day scientific meetings during 2012-2013 in different microscopy centers within Turkey ([www.temd.org](http://www.temd.org))



EM Congress. Invited speakers: Prof. ROMIK, Prof. van NOORDEN, Prof. Lockshin and Prof. ZAKERI with Board members of TSEM



Participants of the 'Symposium on Diabetes: Clinical and Experimental Approaches'