

# ESTP Newsletter 2022 (1)



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Administrative Assistant to the ESTP EC

## President's Column

Dear ESTP members,

First of all, I would like to wish all of you a Happy Springtime (a bit late for new year wishes!).

Many things happened since the last newsletter, and it seems that finally we will be able to resume the face-to-face interactions.

This first quarter of 2022 has already been quite busy for the society. Indeed, the XXIX Classic Examples in Toxicologic Pathology meeting was held in March, although virtually, and was a success. The format of this meeting is unique, and we should be proud as a Society to offer such high-quality conferences.

As I'm writing this newsletter, the 9<sup>th</sup> ESTP international Expert Workshop on the "Assessment of Toxicological Relevance of Clinical Pathology Changes" has just finished. More than 25 international experts worked on the subject during the past year and the final meeting was as usual open to external attendees. It was another successful meeting with more than 150 participants, great presentations, and discussions.

These two meetings are the proof that digital conferences are relevant in the current context, and we will continue offering webinars in collaboration with the ECVP, ESVP, SFPT and BSTP, however I will be more than happy to meet you all in person for the 19<sup>th</sup> European Congress of Toxicologic Pathology in Maastricht the 13<sup>th</sup>-16<sup>th</sup> of September. The topic will be "Think Female: Toxicologic Pathology of the Female Reproductive System" and it is almost time to register (14<sup>th</sup> April). You can do so by going to the new website dedicated to the ESTP meeting. This website is a collaborative success between the ECVP, the ESVP and the ESTP.

[ESTP congress | ESVP-ECVP-ESTP congress \(esvp-ecvp-estp-congress.eu\)](https://esvp-ecvp-estp-congress.eu)

Another tool for the 21<sup>st</sup> century that the ESTP has just started to use is LinkedIn (<https://www.linkedin.com/company/european-society-of-toxicologic-pathology>). We'll be using our dedicated ESTP page to give you various information on meetings, remind you of some important deadlines and share documents or guidelines that are useful for all the ESTP members. Do not hesitate to connect and use this platform to follow the society's activity.

I hope you can enjoy some late snow as we did recently in Paris and I wish you all a great spring!

Kind regards,  
Franck Chanut  
ESTP Chairman

**Interesting Insights  
by the  
Pathology 2.0 working group**

Pathology2.0 brings together a diverse group of pathologists and non-pathologist scientists that share a common interest in the application, development and impact of classic and emerging technologies used in the field of toxicological and investigative pathology. The group was created in 2012 and then consolidated in 2019 when six different subgroups were established to tackle different focus areas related to molecular pathology, digital and bioengineering technologies. The different subgroups are the following: 1) Molecular Pathology; 2) Multiplexing; 3) Spatial OMICS; 4) Mass Spectrometry Imaging; 5) AI: how it impacts the life of a pathologist; 6) Microphysiological systems.

The Pathology2.0 community is always open to new members and since 2019 the group has consistently expanded with additional pathologists that participate actively in the different working groups. Pathology2.0 has also benefited from the collaboration of non-pathologist scientific experts that have shared knowledge and expertise in technological fields that go beyond pure pathology such as mass spectrometry or in situ hybridization. The purpose of this community is to create a space in which ideas, personal knowledge and experiences are shared and discussed, and the

group aims to understand not only the technical aspects and uses of specific technologies but also how they impact our daily lives as pathologists. Therefore, the output of this working group comes in the form of webinars, communications, publications and surveys which always have the ultimate goal of being a valuable tool and source of information for our community.

Interesting insights:

1. Pathology2.0 will have a timeslot in the 19<sup>th</sup> ESTP Congress to present the group and main activities and to share some of the results obtained from the survey prepared by the subgroup “AI: how it impacts the life of a pathologist”.
2. Last year Pathology2.0 (MSI subgroup) survey indicated an interest for Mass Spectrometry Imaging. Consequently, the 19<sup>th</sup> ESTP congress in Maastricht in September will include an overview of Mass Spectrometry Imaging and some applications.
3. The Spatial-OMICS subgroup will present a webinar on the 25<sup>th</sup> of April with the title “Spatial-omics - a new dimension to assess disease mechanisms” to give an overview on spatial-omics technologies and their application in toxicological pathology. This webinar is organised by the ESTP webinar committee.

**“Hot Topics” on offer  
Announcement of the 6<sup>th</sup> Joint Webinar**

Dear colleagues,

The webinar committee would like to invite you all to attend the 6<sup>th</sup> Joint Webinar of the ESTP/SFTP/BSTP and ECVP/ESVP, Monday

April 25th, 2022 “Hot topics in Veterinary and Toxicologic Pathology”. The joint webinars in 2021 were well attended with over 200 participants.

These webinars are free of charge and will qualify for CE certification.

The CE certification for participants needs to be requested via the feedback form.

We look forward to your participation.

Hans Harleman

For the webinar committee

Anna-lena Frisk (ESTP)

Flavia Pasello dos Santos (SFTP)

Francesca Franzoso (ECVP)

Jerome Abadie (ESVP)

Matthias Rinke (ESTP/IATP)

Pierre Maliver (ECVP)

Rita Deuchande (BSTP)

## Program:

16.00-16.45
- <b>African Swine Fever- An update on a global disease</b> Dr. Julia Sehl-Ewert, Friedrich-Loeffler-Institut, Greifswald, Germany
16.45-17.30
- <b>Spatial-omics - a new dimension to assess disease mechanisms</b> ESTP Pathology 2.0 Spatial -omics working group (members: Björn Jacobsen (Roche), Kerstin Hahn (Roche), Sameh Youssef (Janssen), Chandra Saravanan (Novartis), Simon Long (Novartis), Dinesh Bangari (Sanofi), and Josep Monne (Roche))
*Sponsored by the ESTP, SFTP, BSTP and NVT

Link for registration:

<https://attendeegotowebinar.com/register/2624212520179805196>

## XXIX. Classic Examples in Toxicologic Pathology 2022 March 10 and 11

It is always a pleasure to attend this specific seminar since years! Unfortunately, the seminar had to be held as a virtual meeting again and not face-to-face at the TiHo in Hannover, due to the ongoing SARS-Cov-2 Pandemic. Unfortunately, because I miss the direct contacts to my colleagues and the lively discussions on cases in the microscope meeting room. And I miss the social events, so much important to create professional relationships and even more long-term friendships as well. I guess, all of us are missing exactly this most. Let us really hope and keep all fingers (and toes!) crossed that we can celebrate the Classic Examples as a face-to-face meeting next year on March 10 and 11, 2023! Even more, it will be a special anniversary, the XXX. Classic Examples, and I am looking forward to having a great coming together of colleagues and friends in Hannover again!

The Classic Examples are one of our best training and education seminars in toxicologic pathology since many years. And last year showed that training and education can be indeed also performed successfully by attending a virtual seminar. It even has the advantage that many more participants can dial in and attend the online presentations and discussions. After last year's record attending of 211 participants, this year still showed 175 registrations, and this is still significantly more than we had with our face-to-face meetings in

Hannover where registrations had to be limited to approx. 100 – 110 attendees due to limited capacities in the microscope meeting room. Also, for the “face-to-face” future I hope for, I would not like to miss those who cannot travel to a personal meeting to Hannover but instead could attend online rather easily. I am indeed in favor for such a “Hybrid” seminar in the future! This year virtual meeting was again very well-organized, handouts and digital slides of presented cases were available for the registrants before the meeting! All could get an overview what to expect during the meeting later. The technology to view digital slides in an excellent resolution is so far advanced that it is fun to examine them, and it is no longer a timely burden or image quality frustration. During the meeting, the platform (Microsoft Teams) could be used by attendees and speakers easily and smoothly and technical issues were solved where the system allowed it. It was a pity that the “chat” function could not be activated. In my experience from other virtual meetings this is a very effective tool for the question-and-answer session after the presentations and to invite more attendees for comments on the presentations.

Our colleagues Thomas Nolte and Mathias Michaely moderated professionally and in a good manner the two afternoons on March 10 and 11. Thanks for all your efforts! But also, to the whole organization team congratulations for selecting a great and diverse mixture of presentations, addressing urging public issues, introducing an AI program that may add more precise information to our work as toxicologic pathologist in the future. But also, for me still most important, I enjoyed the practical and highly interesting topics with many characteristic and indeed “classic” histopathology lesions! All the speakers made a great job, and I am very grateful that they took the time for preparation of handouts and

presentations apart from their challenging daily work. And at this place I really want to encourage all, particularly the younger colleagues, to contribute to this seminar in the future! Simply said you are the future!

At this seminar, I liked particularly the histopathology-fed presentations, starting with Alessandro Piaia and Thomas Nolte presentations, one talking about thymic lesions after ROR  $\gamma$  inhibition in KO mice and in treated rats, the other presenting sacculated aneurysms of the aortic arch due to treatment with  $\alpha 1$  adrenergic receptor agonists in rats. Beside the histopathologic lesions, the mode of action, mechanism of side effects and the potential relevance for humans were addressed as well. Ramesh Kovi presented AAV Gene therapy in Rats and Cynomolgus Monkeys with a special focus on “AAV-induced Dorsal Root Ganglia Toxicity”. Impressing test article-related microscopic findings were shown including neuronal degeneration/necrosis, nerve fiber degeneration, and mononuclear cell infiltration in dorsal root ganglia of cervical, thoracic, and lumbar regions. The feedback of the audience on these rarely seen lesions was very positive. Lea-Adriana Keller’s presentation was about Lectin Histochemistry as a biomarker to visualize alterations in the glycosylation status in SARS-CoV-2 Infected Hamster Model and was also very well perceived by the seminar participants. SARS-CoV-2 vaccine side effects were critically addressed by Klaus Weber, unfortunately without conclusive scientific data on own examinations with rabbits, which are still pending. Erio Barale and colleagues focused on Artificial intelligence (AI) in neuropathology studies for MNDA-receptor antagonists and showed approaches and promising data, which may support our work as toxicologic pathologist in the future. The

presentation of “Drug-induced lung toxicities in humans” by Florian Laenger from the Medical School in Hannover was very much appreciated as it gave an excellent insight in the work and problems human pathologists are faced, analyzing human biopsies and detecting true drug-related effects. Mark Cesta discussed renal lesions in rats associated with oral exposure to  $\beta$ -Myrcene. A nice potpourri of kidney lesions, including various stages of CPN and  $\alpha$ 2u-microglobulin nephropathy were among the histopathological images presented. Those lesions in rats and the right interpretation on the human relevance are controversially discussed until today. At last, Maria Cristina De Vera Mudry undertook the task to elucidate the impact of  $\gamma$ -secretase inhibitors on the notch signaling pathway and presented various microscopic lesions, among them, the reversible loss of melanocytes in the skin which resulted in a reduced pigmentation of the hair and skin of the nose of treated Beagle dogs was especially impressive.

I enjoyed all these presentations; some did refresh my memory, and some were new information. I am looking forward and have already blocked my calendar for the next Classic Examples in 2023!

Article by: Wolfgang Kaufmann

### **2022 ESTP Publication Award – Call for Papers or Theses**

Dear Colleagues,

We would like to ask you to submit papers and/or thesis on toxicologic pathology for this year’s ESTP publication award.

The European Society of Toxicologic Pathology was founded in 2002 to promote the importance of toxicologic pathology as an

independent, specialized area in Europe. To honor advancements in this field, impactful publications (either theses or papers) are annually awarded by the ESTP. We ask for nominations of impactful Theses or Publications in the field of toxicological pathology that were published throughout 2021 - 2022. Applications for the award will be evaluated by the ESTP award committee, and the best thesis/paper will be honored with 1.500 Euros. The award for this year will be presented at the 2022 ESTP annual meeting in Maastricht September 13-16, 2022. It is mandatory that the recipient attends the awards ceremony. The admission fee for this meeting will be waived. The recipient will be notified in July.

The dead line for submission will be June 1<sup>st</sup>, 2022.

Please send your proposals to the head of the ESTP awards committee: Prof Dr. Johannes (Hans) Harleman ([johannes.harleman@gmail.com](mailto:johannes.harleman@gmail.com))

Hans Harleman  
For the award committee

Heike Marxfeld  
Lars Macklenburg  
Matthias Rinke  
Thomas Nolte  
Régis Masson

### **IATP Associate Fellowship**

Dear colleagues,

IATP is now accepting applications for Associate Fellows. This new membership category is aimed at toxicologic pathologists who are early in their careers (5 to 7 years of professional experience). The goal of program is to grow a more diverse and inclusive organization and to identify toxicologic

pathologists who have demonstrated accomplishments in the areas of education and training, professional experience, and recognition of scientific judgments and who have the potential to become Full Fellows.

We kindly ask that you share with this information with your colleagues and society members.

#### Benefits of becoming an associate fellow

- Formal international accreditation for accomplishments in the practice of toxicologic pathology as determined by a rigorous review of credentials and professional history by an international panel of expert peers. the fellow accreditation is the only global credentialing organization that recognizes accomplishments in the field of toxicologic pathology. the associate fellow qualification recognizes the potential to become a fellow.
- Association with highly experienced pathologists who are internationally recognized for their expertise in toxicologic pathology, and generally serve as thought leaders in the field of toxicologic pathology.
- Participation in a mentorship program where full fellows will provide associate fellows with support to further their careers and professional development toward the full fellowship level.
- Opportunity to participate in organizing educational events for many global constituencies, particularly to give back to the toxicologic pathology community
- Informal consultation with associate fellows and fellows who are thoroughly experienced in all aspects of toxicologic

pathology, and formal consultation with a subset of fellows who are available for consultative engagement.

- Participation in a forum for global harmonization of toxicologic pathology practices.
- Access to selected lectures and educational materials as provided by other associate fellows and fellows.

To learn more or to apply to become an associate fellow, please visit the IATP website:

<https://www.iatpfellow.org/>

Thank you,  
Kevin Keane  
IATP President