

EUROPEAN SOCIETY OF PATHOLOGY NEWSLETTER

Summer 2018



TAKE A
LOOK
INSIDE

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MESSAGE FROM THE PRESIDENT OF THE ESP

By Prof. Dina Tiniakos

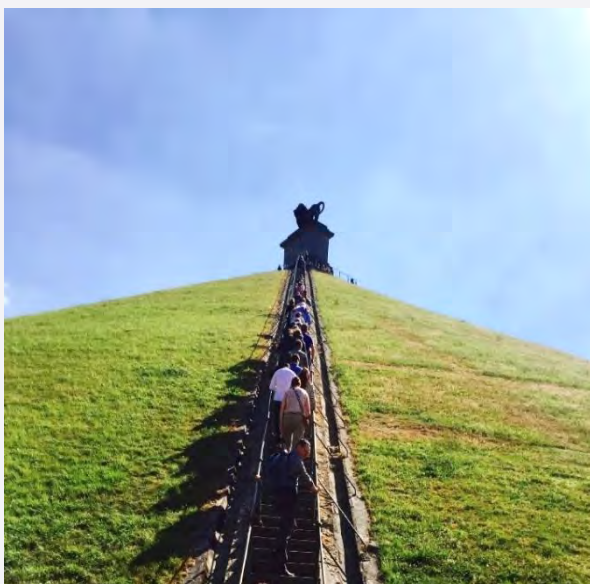


Dear colleagues and friends,

The summer had a brilliant start for ESP with the launch of the 1st ESP Academy (ESPA) that took place in Waterloo, Belgium 23-26

June 2018. Spending four

days with 25 young pathologist-researchers from 17 countries in an intensive course blending science with research project planning and career advancement was the highlight of the last 3 months for me. I would like to thank the National Societies of Pathology who sent to Waterloo their rising stars and our faculty of distinguished pathologists and world-renowned scientists who devoted their free time to teach, advise and interact with the young



ESPA fellows ascending the Lion's Mound at Waterloo, Belgium 25/6/2018

pathologists. The photo, which was taken on the way up the Lion's Mound in the battlefield of Waterloo, shows ESPA fellows going steadily uphill towards their goals and we hope that ESP fulfilled its role by providing them guidance and knowledge in some of the first steps.

Continuing in the same optimistic tone, the Scientific Committee of the 30th European Congress of Pathology (ECP) Bilbao 2018 has recently met in the ESP Headquarters in Brussels to allocate best submitted abstracts to oral free paper sessions according to specialty, select best posters and distribute bursaries to trainee pathologists to attend the most important scientific event in European Pathology for 2018. The level of the research work submitted was excellent and we are sure that those of you who will attend the 30th Anniversary ECP will experience a balanced programme with first class science intermingled with outstanding educational sessions of diagnostic pathology. The motto of the 30th ECP, "Pathology: Path to Precision Medicine", highlights Pathology as the cornerstone of precision medicine and underlines the central role of the pathologist in the multidisciplinary teams that guide patient management in the 21st century. We anticipate that the scientific programme that we have prepared for you will truly reflect this concept and will attract pathologists from all over Europe and far beyond to Bilbao, Spain this September. We hope to see you all there in a couple of months.

Until then, I wish you a relaxing and invigorating summer!

EDITOR'S MESSAGE

By Prof. Gordan Vujanić



Here is ESP Summer Newsletter, hopefully catching you before you go on summer holiday, to recharge the batteries for the busy autumn ahead.

Both the ESP President, Professor Dina Tiniakos and ESP Secretary Professor Aurelio Ariza (a keen scholar of history) are reflecting on the 1st ESP Academy held at Waterloo, Belgium in June, and which was very successful and paved the way for helping young researchers who, hopefully, will be future leaders in pathology in Europe.

Professor Holger Moch, ESP President-Elect, is giving his vision of the Society and its role in training and research in Europe.

Professor Philip Poortmans, President of the European Cancer Organisation (ECCO), is introducing ECCO and its role in cancer care, and inviting us to the ECCO 2018 European Cancer Summit in Vienna (7-9 September).

Dr Maria Rosario Raspollini, and Professors Sigurd Lax and Glenn McCluggage are reporting joint activities of the ESP and The European Society of Gynaecological Oncology and the European Society for Radiotherapy and Oncology.

Professor Maria Lambropoulou is writing about her passion about linking pathology images and art, which resulted in many exhibitions and in a commemorative stamp set "Science and art through the microscope".

Dr Daniel Pinto, the co-chair of the ESP Trainees subcommittee, is introducing new members of the Subcommittee, and informing us about their activities.

A piece on the ESPQA, written by KU Leuven, which is the ESP coordinating centre for EQA, is inviting the ESP members to join the ESP Colon EQA scheme which will evaluate the reliability of RAS and BRAF testing, including correct identification of the presence and type of mutations and the writing of a clinical report.

Professor Martin Lammens and Dr. Koen Van de Vijver are announcing the 9th Belgian Week of Pathology in Brussels in October and are inviting our members to join them.

Professor Metka Volavsek has prepared another list of the interesting books and forthcoming meetings in pathology in 2018.

So, as usual, the Newsletter contains a lot of interesting pieces of information, but it is not a heavy reading, so even if you are already enjoying your summer holiday somewhere nice, and cannot resist checking your emails, you may enjoy reading it.

MESSAGE FROM ESP PRESIDENT - ELECT

By Prof. Holger Moch



Dear ESP members,
Dear colleagues,

It has been a great honour to serve ESP as a member of the Executive Committee for the last few years. As the

President-Elect 2017-2019, I am proud to have the opportunity to participate in the ESP's vision to develop pathology in Europe. Following Dr. Dina Tiniakos as ESP President, I will dedicate my full energy to the future of the Society and its members.

ESP has become the leading pathology society in Europe, providing a professional network for our members, improving all fields of pathology, supporting diagnostic excellence for the benefit of patients, and collaborating with other professional societies. Our main goal remains integration of pathologists from different parts of Europe. Therefore, ESP should continuously strive to learn about the needs of its members in order to adapt its activities to different parts of Europe and professional realities in their regions. Based on direct interactions with pathologists from different parts of Europe, I have seen the diversity of ESP members and their realities. I believe that ESP should further adapt its activities to regional needs.

Pathology education and sharing of practice guidelines represent key pillars of ESP's activities. With the support of the national/local pathology societies, as well as through a close collaboration with the ESP Working Groups, ESP should establish a permanent dialogue with European and national political institutions to discuss the needs of our discipline. ESP will continue promoting the expansion and harmonisation of External Quality Assurance schemes across Europe to ensure the accuracy of applied diagnostic, prognostic and predictive biomarkers.

ESP must support pathologists at all stages of their career, with a continued focus on young pathologists, creating a more gradual involvement for young pathologists in ESP committees

and as speakers at our meetings. Under my leadership, I will encourage the representation of all ages and genders in ESP activities and build ESP-promoted mentorship programmes with the support of our members, officers and staff.

Importantly, ESP has become a primary platform for scientific exchange in Europe, encompassing the best science in all fields of pathology. I am determined to further work on this objective. In particular, we need to support and promote independent academic research in pathology. We should plan to utilize ESP resources to establish targeted research fellowship programmes for talented young pathologists and scientists. ESP has started integrating basic researchers into its faculty and meetings. These efforts could be gradually reinforced in order to support academic research as well as strengthen the information in the basic sciences that is needed for modern pathology. The European Congress of Pathology (ECP) is OUR most important scientific event in learning, sharing new ideas and networking.

The work of pathologists has altered enormously over the last decades. Great advances have been made with respect to the classification of diseases. For the next years, I see three specific areas for special ESP activities:

- 1) pathologists will be able to better recognise diseases through Next Generation Sequencing technologies as well as other sophisticated diagnostic techniques. It will be a challenging task for pathologists to implement these findings in morphology-based classification systems. In consequence, molecular pathology will contribute to future classification systems and pathologists will need more in-depth-training in these technologies.

2) This process will be accompanied by digital pathology. Digital pathology will improve pathology by developing intelligent decision-support systems. This will transform pathology from a qualitative to a quantitative science.

3) Structured pathology reports are necessary to fulfil the requirements of the clinicians and to guarantee an optimal therapy for the patients in the era of personalised medicine. Implementation of structured patient reports and a global standardisation of pathology information can only be done in partnership with other leading professional societies and collaborative groups, such as EORTC, ESMO, WHO/IARC Classification of Tumours and the International Collaboration on Cancer Reporting (ICCR).

I am convinced that pathology has a bright future and ESP is in the position to shape that future.

MESSAGE FROM ESP SECRETARY

By Prof. Aurelio Ariza



Resounding victory of the 1st ESP Academy at Waterloo, Belgium

The green fields of Waterloo, near Brussels, witnessed the dawn of a new era when on 18 June 1815 Wellington dashed Napoleon's last hopes. This emblematic site, redolent of strategic manoeuvres and new beginnings, was also chosen by the ESP to hold its First Academy on 23-26 June 2018.

At the end of the Battle of Waterloo, suffused with an overwhelming bittersweet feeling, Wellington said, "Believe me, nothing except a battle lost can be half so melancholy as a battle won."

Melancholy of the victorious sort was in fact the feeling of the First Academy participants when its four epochal days of enlightening face-to-face exchanges came to an end.

The ESP Academy (ESPA) has been devised as a forum to give support to early career pathologists. The promotion of excellence in research and innovation among young pathologists and scientists working in the human pathology field, the identification of high quality research carried out by junior pathology researchers, the exchange of experiences among junior and senior researchers, and the engagement of fellows with mentors and peers to explore uncharted waters and tackle challenging problems are the ESPA paramount goals.

Admission to the Academy, whose next workshop will be held within two years, is by competitive application. The candidate's curriculum vitae, clinical and research experience, project significance, and level of support by the home institution and the national pathology society are the aspects evaluated. Applicants should be ESP members under 35 years of age holding a PhD or MD degree. ESPA fellows, as well as Giordano fellows, will be the subject of particular attention to the ESP, which will foster their sense of belonging with targeted activities at congresses and other events.

The June 2018 ESPA congregated 25 participants from 17 European countries ranging from Georgia to Portugal, as well as 18 invited speakers. Each participant presented and defended her/his project and received constructive comments from both peers and senior speakers. The latter also contributed interspersed talks on leadership, mentoring, epigenetics, bioinformatics, prote-

omics, bioethics, publishing, biobanking, molecular diagnostics, tumour immunology, molecular morphology, translational research, clinical trials, mouse models, and how to combine teaching, diagnosis and research. The many things the ESP has in stock for young pathologists and the funding opportunities offered to them by the European Research Council (ERC) were other topics discussed. Indeed, successful completion of such an ambitious programme would have been impossible without the sharp clockwork efficiency shown by the ESP Office personnel throughout the four hectic days.

Presiding over the Waterloo battlefield is the massive Lion's Mound, built with earth taken from the field itself in memory of the fallen Prince of Orange.

During an evening break the ESPA group vigorously climbed the long stairs to the top of the steep mound.

From above, participants and invited speakers alike could contemplate the breath-taking battlefield spreading far and wide to the horizon.



ESPA participants and invited speakers at the top of the Lion's Mound

The enticing view inspired the strategic depth of vision so much needed by pathology in these hypermutating times of interdisciplinary cavalry charges, personalized outflanking movements, and precision artillery barrages. The young pathologists' beaming faces certainly said so.

ECCO AND ESP

By Prof. Philip Poortmans – President of the European Cancer Organisation (ECCO)



Improving quality in cancer care

"We could not do without you"

Pathology is a key discipline in the fight against cancer. A correct and early diagnosis is of paramount importance for the cancer journey of a patient. As a fundamental medical discipline, pathology plays an essential role in the effective diagnosis and treatment of the patient. Fostering the interaction with all health organisations that contribute to the treatment and care of cancer patients in Europe is part of ECCO's mission.

ECCO's mission is expressed well through the ECCO Essential Requirements for Quality Cancer Care (ERQCC) programme. As an ECCO member, ESP plays an integral role within this joint initiative organised between ECCO members, ECCO Patient Advisory Committee and partnering societies which sets out the critical checklist required to be in place to achieve quality cancer care:

- membership and role definitions within the core and extended multidisciplinary team;

- organisation of the cancer patient pathway;
- timelines for care and interventions;
- quality assurance processes; and,
- articulation of rehabilitation and survivorship needs.



Covering the patient's entire journey, they mirror the same principles and values of ECCO's remit: to be the place where professions and others involved in cancer care (not least the patients themselves), can meet to discuss, agree and advocate for the changes required to improve cancer care in Europe.

The ECCO Essential Requirements for Quality Cancer Care manuscripts for Colorectal Cancer, Soft Tissue Sarcoma in Adults and Bone Sarcoma, Melanoma and Oesophageal & Gastric Cancer have been published in Critical Reviews in Oncology/Hematology and are freely available here.

In 2018, ECCO, its members, its Patient Advisory Committee and partners will continue to articulate new ERQCCs for Breast, Prostate, Lung, Ovarian and Pancreatic cancers.

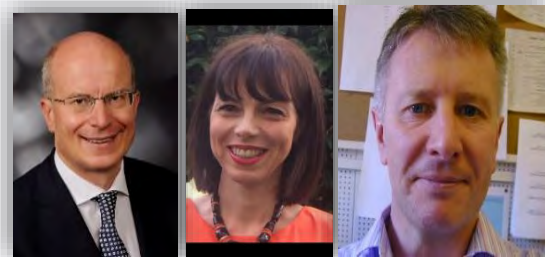
Additionally, we are delighted to invite you to the ECCO 2018 European Cancer Summit in Vienna (7-9 September), to contribute to the formation of consensus resolutions on the future direction of quality cancer care.

More than two millennia after Aristotle, management scientist William Demming recommended, "Quality is everyone's responsibility". Indeed, it is.

Therefore, I hope you will join us in Vienna to help us make quality cancer care a true European habit.

ESP WITH ESGO & ESTRO

By Prof. Sigurd Lax (left), Dr. Maria Rosaria Raspollini (centre) & Prof. Glenn McCluggage (right)



Dear ESP members and dear friends,

We would like to report about the joint activities of the European Society of Pathology (ESP) with the European Society of Gynaecological Oncology (ESGO) and the European Society for Radiotherapy & Oncology (ESTRO).

In Vienna, on last November 5, in the framework of the 20th Congress of the European Society of Gynaecological Oncology, the *ESGO-ESTRO-ESP Cervical Cancer Clinical Management Guidelines 2017* have been officially presented. David Cibula, the Chair of the project and ESGO president, has explained the need to develop new European Guidelines and detailed the management of early cervical cancer patients. Richard Potter, for ESTRO, has explained the management of advanced cervical carcinoma stages and recurrent disease, Maria Rosaria Raspollini, for ESP, has focused on the central role of the pathology report in the management of the cervical cancer patients.

The project *ESGO-ESTRO-ESP Cervical Cancer Clinical Management Guidelines 2017* has developed through a preliminary leadership meeting that was held in September 2016 and 3 meetings of the cervical cancer clinical management group members along the 2017.

In the leadership meeting were agreed the goals, discussed the framework of the project, splitting the big cervical cancer topic into subtopics, appointed subgroups and the timelines by David Cibula, Denis Querleu, ESGO president-elect; Richard Poetter; and Maria Rosaria Raspollini.

After the meeting on September 2016, a literature analysis from a systematic search was reviewed and a critically appraised has been made and subsequently the presentations on the assigned topics by the experts have been discussed collectively in different meetings attended by international pathologists and clinicians with expertise in the care and research of cervical cancer.

In the cervical cancer clinical management group members meetings have participated expert representatives nominated by the three Societies, involving Pathologists (Glenn McCluggage and Sigurd Lax), Gynecologic Oncologists, Radiation Oncologists, Medical Oncologists, and one Epidemiologist. The guidelines are based on the best available literature evidence and experts agreement.

The final document endorsed by all the international multidisciplinary group members has been undergone external review during last summer time. 159 expert reviewers selected through ESGO/ESTRO/ESP and including patient representatives have revised the document. From the ESP side, several Gynaecological Pathology Working Group members have been involved

in the review process; we thank all of them for their constructive criticism.

In the 3rd meeting of the international multidisciplinary group members, the suggestions and the criticism have been added and the final document has been finalized. All contributors have actively participated to the guidelines, given personal input, reviewed the manuscript, and have given final approval before submission process to the journals.

The key points of the *ESGO-ESTRO-ESP Cervical Cancer Clinical Management Guidelines 2017* were published on the three Societies journal (*Virchows Archiv, International Journal of Gynecological Cancer* and *Radiotherapy & Oncology*) as well in order to ensure a rapid dissemination of the guidelines.

The complete report for the management of cervical cancer patients which contains the literature review, the justifications for selected recommendations and the guidelines is available online at ESGO/ESTRO/ESP websites (<https://guidelines.esgo.org/>, <https://www.estro.org/>, <https://www.esp-pathology.org/publications/guidelines.html>, <https://www.esp-pathology.org/working-groups/esp-working-groups/gynaecological-pathology.html>).

In addition the *Cervical Cancer Clinical Guidelines* are going to be officially presented in 2018 ESTRO congress and in the 2018 European Congress of Pathology which will be held in Bilbao (Spain) in the next September 8-12 in a joint ESP-ESGO session where pathologists and clinicians are going to joint their forces and experiences for a detailed description of the pathologist's work finalized to ensure the histological data for the management

of the cervical cancer patients along with a detailed algorithm for the management of early and late stages of disease.

We are confident that you appreciate this effort that is finalized to homogenize the diagnosis and management of cervical cancer patients in all European countries and you contribute to disseminate the knowledge of the *ESGO-ESTRO-ESP Cervical Cancer Clinical Management Guidelines*.

Moreover, during the friendly discussion with the group members, we have realized that sometimes the clinicians complain about the absence or the incomplete description of important histological data in the pathology report that they need for the management of this kind of patients. Consequently, we were thinking that, in addition to the publication of the guidelines, educational activities should be planned by ESP for young pathologists in order to best prepare them to this particular area and to accomplish the appropriate request of the clinicians. In this respect, we have prepared another manuscript finalised to show the pitfalls of the histologic features considered key points for planning the therapy of cervical cancer patients, and a series of drawings and pictures for a clear explanation of the topic.

This manuscript, underwent to review process, is going to be published in the same issue of *Virchows Archiv* along with the guidelines paper in order to better explain to the pathologists the difficult key points that are needed for the management of cervical carcinoma patients.

“SCIENCE AND ART THROUGH THE MICROSCOPE”

By Prof. Maria Lambropoulou



Prof. Lambropoulou in routine histological examination

As Pathologists, we have a very important and crucial role on the diagnosis and treatment of diseases, passing endless hours in the human tissue study.

Through the light microscope it became possible to correlate the observed signs and symptoms in an individual with cellular changes. Oftentimes, though our work seems lonely and unexpected, the images that appear in front of our eyes are simply amazing, particularly when the cells unintentionally form images and scenes as beautiful as any painting hanging in a gallery. These images clearly indicate that the strict Medical Science meets and flirts with Art in a very unique and magical way.

Through the years of my work, I have collected many such artistic images and organized various art-path exhibitions around Greece or Abroad in the context of many scientific congresses, such as ECP or others. In addition, every year, I organize exhibitions and scientific events in the context of the International Pathology Day. As the subject

gained attention, I got to display my art collection at the 82nd Thessaloniki International Fair, in September 2017.



The histological images that were depicted on stamps

After that, the Hellenic Post Office was interested in making these pictures into stamps, as they admired all histological images of my art-path collection, as paintings, and through the microscope, also, and they were informed in all detail about our specialty in my lecture entitled: "When the human cells draw". According to the President of the Hellenic Post board, Ms. Stavradi, and the Director of Philatelic office, Mr. Tzuris, this is the first time, worldwide, that artistic cell formations without any technical processing are reflected on stamps.

So, five histological images captured through my microscope were depicted in a commemorative stamp set "Science and art through the microscope" which reveals that the magic of art can be found everywhere, even in the microscopic images that appear, daily, in front of Pathologist's eyes.

These original Commemorative stamps are dedicated to Pathologists, all over the world, highlighting in a unique manner their important and crucial role in the diagnosis and treatment of diseases.

The official presentation of Commemorative set of Stamps has been held at an open ceremony organized by the Hellenic Post Office and Democritus University of Thrace, on their First Day of Issue, 19th March 2018 in Alexandroupolis, Greece.

The ceremony was an ode for the Pathologists, it exceeded all our expectations, had great acceptance by the public and all the questions that the audience had about what the Pathologists and their role in the diagnosis and treatment of diseases are, were answered as well.

Furthermore, I would like to thank the ESP President, Prof. Dina Tiniakos, ESP Director General, Dr. Raed Al Dieri and the ESP Pathology & Public Taskforce



Commemorative set of stamps, 1st Day of Issue 19.03.2018.

Chair, Dr. Sanja Milenkovic for their moving congratulatory letter, which was cited during the official presentation. In addition, I want to thank the Hellenic Society of Pathology (HSP) President,

Dr. Batistatou for her personal warm wishes and congratulations.

Last but not least, I would like to thank from the bottom of my heart the members of the Hellenic Post Board for the great interest they have shown for our specialty by issuing this commemorative stamp series, in order to make it known and publicize the importance of our work worldwide.



Ms. Stavraki gives the honorary plaque to Prof. Lambropoulou

I hope this work will enable people to learn about the difficulties but also about the importance of our profession. The Pathologist's stamps are already traveling around the world expressing messages of optimism, hope, and solidarity.

The Hellenic Post's official video presentation of the Commemorative stamp set "Science and art through the microscope" has been uploaded on the ESP website Pathology and Public (<https://www.esp-pathology.org/about-esp/pathology-public/pathology-movies.html>)

or
https://www.youtube.com/watch?v=MhuLEg_v4E4

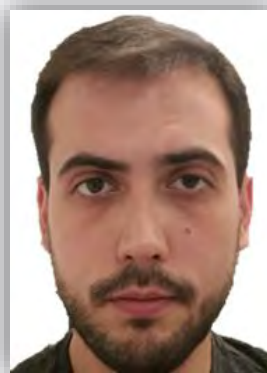
Finally, if someone wants to get the philatelic products concerning the Commemorative stamp series "Science and Art through the Microscope"

the link is: <http://www.elta.gr/Business/eshop/tabid/558/List/1/CategoryID/259/Level/a/language/en-US/Default.aspx>

(Dr. Lambropoulou Maria is a pathologist and Associate Professor of Histology-Embryology Medical Department of Democritus University of Thrace, 68100, Alexandroupolis, Greece).

ESP TRAINEES SUBCOMMITTEE

By Dr. Daniel Pinto (Co-Chair)



Fellow residents and seniors,

A few months have passed since the last newsletter. We would like to give you all an update on our latest activities and what to expect from us for the fast approaching ECP 2018 in Bilbao.

First, Charlotte and I would like to thank everyone who submitted applications for positions in the subcommittee. It is excellent to see your enthusiasm and a delight to witness such an active engagement of the trainees of Europe with the ESP. Although all applicants were excellent, only six could be selected. In this line, we would like to extend our congratulations to the new members of the trainee subcommittee: Agné Ruminaitė (Lithuania), Ignacio Ruz-Caracuel (Spain), Monica Stephany Kirigin (Croatia), Sofia-Eleni Tzorakoleftheraki (Greece), Sophia Petschnak (Austria) and Vladimir Kushnarev (Russia). We are looking forward towards meeting you all in Bilbao!

Second, we would like to tell you a bit about one of our initiatives: the ESP questionnaire about training conditions throughout Europe we discussed in the previous newsletter. Thanks to the help of the ESP and several national societies of pathology, we managed to get 145 responses from 20 different European countries. The results were presented in the Maastricht Pathology Conference last June and discussed on a round table composed by Prof. Dr. Fred Bosman, Prof. Dr. Claude Cuvelier, Prof. Dr. Paul van der Valk, Prof. Dr. Philip Quirke, Dr. Caroline Young and myself. The discussion was very productive: the harmonization of training conditions and outcomes in Europe is a complex problem, but where there is a will, there is a way. We hope you will hear more about this project soon and are still counting on your collaboration to bring it to fruition.

Lastly, and regarding Bilbao, besides the ESP Trainee General Assembly, you can look forward towards two sessions with the participation of the Trainee Subcommittee:

- A Joint Session with the Electron Microscopy ESP Working Group (chaired by Prof. Dr. Josep Lloreta-Trull), which will be a slide seminar with cases presented by trainees from all over Europe, a great opportunity for all of us to share our knowledge in this often overlooked but very important area of pathology.
- The standalone Trainee Session, which will focus on statistics in the context of scientific research in pathology, with the participation of Thierry Gorlia prominent biostatistician from the EORTC and Prof. Dr. Fátima Carneiro, previous ESP President and esteemed senior, with extensive experience in both diagnosis and sci-

entific publications. You can also look forward towards our social program. Expect more news about this soon, we believe you will be pleased.

As always, feel free to contact us for any reason.

We hope to see you in Bilbao!

ESPQA SCHEMES

Registrations for the ESP Colon EQA scheme of 2019 are now OPEN!

Do you want to know whether your complete test process is of sufficient quality? Curious about your test competence compared to peers? Then it is time to participate to the annual external quality assessment (EQA) scheme for colorectal cancer organized by the ESP QA Foundation. Participation to a fit-for-purpose EQA scheme is not only required by the International Organization for Standardization (ISO 15189:2012) (1) and the Clinical Laboratory Improvement Amendments (2) but will also help you to identify unexpected errors in an objective way.

The EQA scheme is designed to evaluate the reliability of *RAS* and *BRAF* testing, including correct identification of the presence and type of mutations and the writing of a clinical report. Full *RAS* testing is required; *BRAF* testing is optional. No genotyping errors are tolerated for successful participation. Ten formalin-fixed paraffin embedded samples will be distributed and should be analyzed by routine practice (see figure below). Laboratories should submit their results in an online datasheet, an image of their stained H&E slides and 3 clinical reports based on mock patient information. Genotyping and reporting

results will be discussed with international experts with proven experience in molecular testing.

Practical information for registration to the ESP Colon EQA scheme of 2019:

- Go to kras.eqascheme.org
- Returning users:
 - Log-in and go to 'EQA participant's area'
 - Click the button 'Register now'
- New users:
 - Create a username and password by filling in [this form](#)
 - After log-in the registration form is visible in your 'EQA participant's area'
- The participation fee is €595
- Registration **deadline is 30 September 2018**
- Samples will be distributed in January 2019

Results of the ESP Colon EQA scheme of 2018 were recently made available for participating laboratories. In total, 112 laboratories from 27 different countries submitted their genotype results, of which 95 laboratories (84.4%) participated successfully. Although the number of successful labs is increasing over the years, there is still room for improvement (3-5).

Registrations of the ESP Lung EQA scheme of 2019 will open in autumn 2018. Results from previous years can be read in the manuscript of Keppens et al. (6).



References: **1.** International Organization for Standardization, ISO 15189:2012, Geneva, 2012. **2.** Clinical Laboratory Improvement Amendments of 1988, Laboratory Requirements, 2003, 42 C.F.R. Chapter IV, Part 493. **3.** Tembuyser L et al. J Mol Diagn. 2014 May. 16(3):371-377 **4.** Tack V et al. Oncologist. 2015 Mar. 20(3):257-262. **5.** Tack V et al. 2018 accepted for publication in Br J Cancer **6.** Keppens C et al. Oncotarget. 2018 Apr. 9(29):20524-20538

MESSAGE FROM THE BELGIAN NATIONAL SOCIETY OF PATHOLOGY (BPS)

By Prof. Martin Lammens (Left) & Dr. Koen Van de Vijver (Right)



Belgian Society of Pathology Congress

The Belgian Society of Pathology is happy to announce the 9th Belgian Week of Pathology. This congress will take place in Brussels at the Wild Gallery on October 19-20, 2018. bwpcongress.be

You may expect a scientific program to update your knowledge on diagnostic and molecular pathology. The Key Note lecture of this year will be on Melanocytic lesions, presented by Prof. Dr. Wolter Mooi from Amsterdam, The Netherlands. The congress will have subspecialty sessions, organized by the different Working Groups of the Belgian Society of Pathology, focusing on advances in pathology diagnosis, new classifications, guidelines and quality assessment. An innovative topic on digital pathology will address how artificial intelligence may change the way pathologists work.

The website is open for registration to the meeting.

For the residents, the congress will provide an opportunity to present their work in oral free paper

and best poster sessions. Abstracts should be e-mailed to koen.vandevijver@uzgent.be before September 1st.

The Belgian Society of Pathology looks forward to seeing you in Brussels.

Koen Van de Vijver
President of the Belgian Week of Pathology
Martin Lammens
President of the Belgian Society of Pathology
bwpcongress.be

SOME RECENTLY PUBLISHED BOOKS

By Prof. Metka Volavšek



Forensic Histopathology. Fundamentals and Perspectives

Reinhard Dettmeyer
2nd ed, 570 pages, 452 illus, ~180 €, Springer (2018)

This second edition, which combines the features of an atlas and a textbook, presents findings in forensic histology, immunohistochemistry, and cytology based on microscopic investigations using different stainings and different antibodies. Questions of quality when working in the field of forensic histology are included as well as scientific perspectives for further research. The principal aim is to provide practitioners with detailed information and guidance on how microscopy can help to clarify the cause of sudden and unexpected death. Therefore, additional and particularly rare histopathological findings are presented. Many of

the topics will be of interest not only to forensic pathologists but also to general pathologists, whether practitioners or researchers. Examples include the pathology of drug abuse, wound age determination, adverse drug reactions, histopathology of the sudden infant death syndrome, and age determination of myocardial infarction. Both typical and unusual findings are demonstrated with the aid of numerous high-quality color illustrations, and other key literature in forensic histology and immunohistochemistry is highlighted for each topic.

Biopsy Interpretation of the Skin. Primary Non-Lymphoid Cutaneous Neoplasia

A. Neil Crowson, Cynthia M. Magro
2nd ed, 648 pages, 550 illus, ~140 €, Wolters Kluwer (2018)

Part of the popular Biopsy Interpretation Series, Biopsy Interpretation of the Skin: Primary Non-Lymphoid Cutaneous Neoplasia, Second Edition, is a concise, practical resource with a strong focus on diagnosis. It offers guidelines on how and when to biopsy the skin and provides superb coverage of common and uncommon non-lymphoid neoplasms of the skin. Focusing on the daily tasks and needs of the general pathologist, this updated Second Edition is an excellent bench reference and education resource for the interpretation of the most common skin biopsies. Incorporates recent advances in the biology of skin cancer which have led to important biologic therapies for melanoma, basal cell carcinoma, and squamous cell carcinoma.

Pulmonary Pathology. An Atlas and Text

Philip T. Cagle
2nd ed, 688 pages, 1480 illus, ~ 280 €, Wolters Kluwer (2018)

Entirely re-written and revised with over 1,000 new images, Pulmonary Pathology: An Atlas and Text is a comprehensive, highly illustrated guide to diagnoses in pulmonary pathology, including tumors and lymphomas. The book—titled Color Atlas and Text of Pulmonary Pathology in earlier editions—combines highly detailed photographs and illustrations with concise, bulleted text so you

can quickly grasp the information you need to make accurate diagnoses. New information on diagnosing lung diseases, plus new WHO classifications, American Thoracic Society classifications of non-neoplastic diseases, new entities and infections, and technological advancements.

Surgical Pathology of the Liver

Michael Torbenson, Roger Moreira, Lizhi Zhang
664 pages, abundant illus, ~ 210 €, Wolters Kluwer (2017)

Written by surgical pathologists for surgical pathologists, Surgical Pathology of the Liver focuses on sharpening your skills and knowledge in diagnostic histopathology, including laboratory and clinical findings that are directly useful when evaluating liver histology for clinical care. It offers comprehensive, superbly illustrated coverage of general liver pathology, as well as several chapters on topics that are not often included in liver pathology textbooks. Abundant high-quality illustrations have been carefully chosen to support and extend the information given in the text.

Biopsy Interpretation of the Central Nervous System

Matthew J. Schniederjan
2nd ed, 426 pages, ~ 140 €, Wolters Kluwer (2017)

Part of the popular Biopsy Interpretation Series, Biopsy Interpretation of the Central Nervous System, Second Edition, is a concise, practical resource with a strong focus on diagnosis. It begins coverage of each individual entity with the clinical context, setting the stage for discussion of histopathologic features, ancillary studies, and differential diagnosis, including anticipation of difficult diagnostic decisions. This second edition is an ideal reference and educational resource for general surgical pathologists, trainees in pathology and neuropathology, and clinicians who treat patients with neurological diseases that require surgical sampling.

Bancroft's Theory and Practice of Histological Techniques

Kim S Suvarna, Christopher Layton, John D. Bancroft

8th ed, 584 pages, 280 illus, ~ 180 €, Elsevier (2018)

For 40 years, Bancroft's Theory and Practice of Histological Techniques has established itself as the standard reference for histotechnologists and laboratory scientists, as well as histopathologists. With coverage of the full range of histological techniques used in medical laboratories and pathology departments, it provides a strong foundation in all aspects of histological technology - from basic methods of section preparation and staining, to advanced diagnostic techniques such as immunocytochemistry and molecular testing. This revised and updated 8th Edition by Kim S. Suvarna, Christopher Layton, and John D. Bancroft is a one-stop reference for all those involved with histological preparations and applications, from student to highly advanced laboratory professional.

Diagnostic Pathology: Cardiovascular

Dylan V. Miller, Monica P. Revelo

2nd ed, 552 pages, 1400 illus, ~ 210 €, Elsevier (2018)

Part of the highly regarded Diagnostic Pathology series, this updated volume by Drs. Dylan V. Miller and Monica P. Revelo is an ideal point-of-care reference for the accurate diagnosis of complex cardiovascular specimens. Concise, focused chapters, supported by tables, diagrams, radiographs, and photographs, provide essential information to keep you up to date with new cardiac devices, the increased use of molecular panels, WHO updates, and much more.

Diagnostic Pathology: Intraoperative Consultation

Susan C. Lester

2nd ed, 500 pages, 1400 illus, ~ 210 €, Elsevier (2018)

Part of the highly regarded Diagnostic Pathology series, this updated volume by Dr. Susan Lester is uniquely organized according to the specific questions from surgeons that a pathologist needs to

address during time-limited intraoperative consultations. Concise, focused chapters, supported by tables, diagrams, radiographs, and photographs, provide the essential information needed for optimal intraoperative diagnosis. A new feature of the 2nd edition is video instruction for frozen-section techniques.

Head and Neck Pathology

Series: Foundations in Diagnostic Pathology

Lester D. R. Thompson, Justin Bishop

3rd ed, 784 pages, 1500 illus, ~ 170 €, Elsevier (2018)

An essential foundation text for residents and pathologists, the third edition of Head and Neck Pathology, a volume in the Foundations in Diagnostic Pathology series, has been fully revised to include recent advances in the field. Featuring a highly templated, easy-to-use format and new information throughout, this practical, affordable resource by Drs. Lester D. R. Thompson and Justin A. Bishop is ideal for study and review as well as everyday clinical practice.

Diagnostic Pathology: Cytopathology

Dina R Mody, Michael J. Thrall, Savitri Krishnamurthy

2nd ed, 850 pages, 1700 illus, ~ 250 €, Elsevier (2018)

Part of the highly regarded Diagnostic Pathology series, this updated volume by Drs. Dina R. Mody, Michael J. Thrall, and Savitri Krishnamurthy, is a visually stunning, easy-to-use reference covering all aspects of cytology, including gynecologic, non-gynecologic exfoliative, fine-needle aspiration, and imaging. An abundance of high-quality images make this an invaluable diagnostic aid for every practicing pathologist, resident, or fellow who works with ever-smaller tissue samples for diagnosis and molecular testing.

Diagnostic Pathology: Pediatric Neoplasms

Angelica R Putnam, Karen S Thompson, Jeremy C Wallentine

2nd ed, 1000 pages, 2400 illus, ~ 280 €, Elsevier (2018)

Part of the highly regarded Diagnostic Pathology series, this updated volume covers more than 180 of the most common pediatric pathology diagnoses using a highly visual, quick-reference format. Thorough updates include the most recent clinical, pathological, histological, and molecular knowledge in the field, highlighted by more than 2,400 outstanding images. A comprehensive, practice-oriented approach makes this reference ideal for pathologists, residents, or fellows.

Practical Soft Tissue Pathology: A Diagnostic Approach

Series: Pattern Recognition

Jason L. Hornick

2nd ed, 618 pages, 1400 illus, ~ 250 €, Elsevier (2018)

Part of the in-depth and practical Pattern Recognition series, Practical Surgical Soft Tissue Pathology, 2nd Edition, helps you arrive at an accurate diagnosis by using a proven pattern-based approach. Leading diagnosticians guide you through the most common patterns seen in soft tissue pathology, applying appropriate immunohistochemistry and molecular testing, avoiding pitfalls, and making the best diagnosis. High-quality illustrations capture key morphologic patterns for a full range of common and rare tumor types, and a "visual index" at the beginning of the book directs you to the exact location of in-depth diagnostic guidance.

Diagnostic Pathology: Endocrine

Vania Nosé

2nd ed, 700 pages, 1600 illus, ~ 250 €, Elsevier (2018)

Part of the highly regarded Diagnostic Pathology series, this updated volume by Dr. Vania Nosé is a visually stunning, easy-to-use reference covering 125 of the most common endocrine pathology diagnoses. Outstanding images-more than 2,400 in all-make this an invaluable diagnostic aid for every practicing pathologist, resident, or fellow. This second edition incorporates the most recent clinical, pathological, histological, and molecular

knowledge in the field to provide a comprehensive overview of all key issues relevant to today's practice.

Practical Surgical Neuropathology: A Diagnostic Approach

Series: Pattern Recognition

Arie Perry, Dan J. Brat

2nd ed, 752 pages, 1575 illus, ~ 250 €, Elsevier (2017)

Part of the in-depth and practical Pattern Recognition series, Practical Surgical Neuropathology, 2nd Edition, by Drs. Arie Perry and Daniel J. Brat, helps you arrive at an accurate CNS diagnosis by using a pattern-based approach. Leading diagnosticians in neuropathology guide you from a histological (and/or clinical, radiologic, and molecular) pattern, through the appropriate work-up, around the pitfalls, and to the best diagnosis. Almost 2,000 high-quality illustrations capture key neuropathological patterns for a full range of common and rare conditions, and a "visual index" at the beginning of the book directs you to the exact location of in-depth diagnostic guidance.

Diagnostic Gynecologic and Obstetric Pathology

Christopher P. Crum, Kenneth R. Lee, Marisa R. Nucci, Scott R. Granter, Brooke E. Howitt, Mana M. Parast, Theonia K. Boyd, William. A Peters III (Eds.)

3rd ed, 1296 pages, 3010 illus, ~ 280 €, Elsevier (2017)

Comprehensive and practice-oriented, the fully updated 3rd Edition of this easy-to-use text covers the full range of obstetric and gynecologic pathology, including information on treatment and patient management. Written largely by the pathology and clinical faculty at Harvard's Brigham and Women's Hospital, it covers the most up-to-date information available in the field, including molecular genetics and diagnostics. Drs. Christopher P. Crum and Marisa R. Nucci are joined by new editors Scott R. Granter, Brooke E. Howitt, Mana M. Parast, and Theonia K. Boyd, to provide complete, beautifully illustrated coverage of both neoplastic and non-neoplastic

disorders of the female genital system, ideal for improving pathological diagnosis.

Cytopathology

Series: Encyclopedia of Pathology
Fernando Schmitt (Ed.)

547 pages, 649 illus, ~ 250€, Springer (2017)

This book covers the complete field of the Cytopathology - from cytological findings of Acinic cell carcinoma Disease to Warthin tumor. The alphabetically arranged entries, each of which provides a detailed description of a specific pathological disease pattern, allow readers to quickly and easily find the information they need.

Pulmonary Pathology: Neoplastic and Non-Neoplastic

Series: Encyclopedia of Pathology
Philip T. Cagle, Keith M Kerr, (Eds.)

453 pages, 410 illus, ~ 540€, Springer (2018)

This book covers the complete field of pulmonary pathology - neoplastic and non-neoplastic - from Acinic cell tumor in the lung to Wegener's Granulomatosis. The alphabetically arranged entries, each of which provides a detailed description of a specific pathological disease pattern, allow readers to quickly and easily find the information they need.

Transplantation Pathology with Online Resource

Phillip Ruiz (Ed.)

2nd ed, 396 pages, ~ 170 €, Cambridge University Press (2018)

Modernize your approach to graft biopsies, diagnosis and pathogenesis in transplantation pathology, with the second edition of this specialized textbook. Reach the latest classification schemes, combining both anatomic and clinical pathology, and gain a comprehensive understanding of detailed pathological processes, affecting both host and graft. Following publication of the first edition in 2009, technological advances in understanding of transplant immunology and physiology have enhanced many aspects of pathological diagnoses. This edition bridges

key knowledge gaps in pathophysiologic mechanisms and constantly evolving clinical protocols, facilitating strong support for the pathologist, clinician, and student. Authored by leading experts in transplantation medicine, this multimedia guide boasts richly illustrated images, underscoring vital diagnostic features for busy readers. Addressing topics such as the immunopathology of graft rejection, laboratory medicine and dermatological complications in transplantation, this textbook engages with a variety of underlying pathogeneses, taking into account current laboratory and clinical findings, worldwide.

Practical Pathology of Serous Membranes

Alberto M. Marchevsky, Aliya N. Husain,
Françoise Galateau-Sallé, (Eds.)

242 pages, ~ 170 €, Cambridge University Press (2018)

This comprehensive yet practical text reviews the pathology of neoplastic and non-neoplastic conditions of the pleura and peritoneum, with a particular focus on mesothelioma. The anatomy and embryology of serous membranes are discussed, and the causes, epidemiology, and clinical and radiologic features of malignant mesothelioma are reviewed. A comprehensive review of immunostains used for diagnosing serous membrane lesions is given, current treatment options for patients are outlined. The markers of asbestos exposure and their significance are also assessed. The pathology of non-neoplastic conditions of serous membranes, from peritoneal cysts and endometriosis to deciduositis and gliomatosis peritonei are also covered, as are lymphomas and soft tissue tumors in serous membranes. This makes Practical Pathology of Serous Membranes an essential resource for effective diagnosis.

Multiparameter Flow Cytometry in the Diagnosis of Hematologic Malignancies

Anna Porwit, Marie Christine Béné (Eds.)

242 pages, ~ 120€, Cambridge University Press (2018)

Master implementation of the techniques of flow cytometry in diagnosing complex haematological diseases and malignancies in patients, worldwide.

Featuring World Health Organization recommendations on pre-analytical steps, instrument settings and panel construction, this invaluable manual offers invaluable support for those researching, practising and analyzing the cause of hematological malignancies. Authored by leading experts, this book puts flow-cytometry into everyday context. With a focus on multicolour panels, the manual provides readers an experienced understanding of effective, implementation techniques.

Practitioners of all levels are offered a background in a variety of diseases presented alongside the most current methodology. Wide-ranging and comprehensive; detailed images of healthy blood, bone marrow and lymph-nodes are illustrated throughout, allowing for effective diagnosis. Through engaging with differential diagnoses, the manual offers an understanding of similar symptoms and mimicking malignancies, avoiding inaccurate results. Featuring in-depth descriptions of chronic diseases; users can reach accurate diagnosis, first time.

FORTHCOMING MEETINGS IN 2018

By Prof. Metka Volavšek



30th European Congress of Pathology “Pathology: Path to Precision Medicine”

European Society of Pathology
September 8-12, 2018
Bilbao, Spain

Geisinger Seminar in Anatomic Pathology

September 14 – 16, 2018
Danville, USA

Diagnostic Pitfalls in Urologic Pathology

United States & Canadian Academy of Pathology (USCAP)
September 22-23, 2018
Palm Springs, USA

22nd International Surgical Pathology Symposium

Mayo Clinic College of Medicine and Science
September 25–28, 2018
Venice, Italy

Belgian Week of Pathology

October 19-20, 2018
Brussels, Belgium

Interactive microscopy: Modern Surgical pathology through the eyes of APSS-USCAP

USCAP - Arthur Purdy Stout Society
2018, October 26-29:
Palm Springs, USA

40th Annual Current Concepts in Surgical Pathology

Harvard Medical School, Massachusetts General Hospital
October 29 - November 2, 2018
Boston, USA

19th Meeting of the European Association for Haematopathology (EAHP)

September 29 – October 4, 2018
Edinburgh, Scotland

Diagnostic Breast Pathology

Vincent Academy of Pathology (VAP)
October 10–12, 2018
Linz, Austria

Surgical Pathology of the Head and Neck – 2018

American Society for Clinical Pathology
October 10-13, 2018
San Francisco, USA

2nd Pathology Meeting Advances in Molecular and Diagnostic Pathology

MD Anderson Cancer Center
October 3-5, 2018
Madrid, Spain

Diagnostic Immunohistochemistry for Pathologists

Academy of Immunohistochemistry
5th Annual Course
10-12th October 2018
Krakow, Poland

XXXII International Academy of Pathology Congress

October 14-18,
Amman, Jordan

A practical diagnostic approach to Thyroid, Lung and Soft Tissue Pathology

Malpighi Pathology Academy
November 7-8, 2018
Florence, Italy

Tutorial on Pathology of the GI Tract, Pancreas and Liver

Weill Cornell Medicine
November 12 – 16, 2018
Miami, USA

Interactive microscopy: Recent Advances in Soft Tissue Tumor Pathology: Evolving Classification,

Novel Molecular Findings and New Diagnostic Markers

USCAP
December 6-7, 2018
Palm Springs, USA



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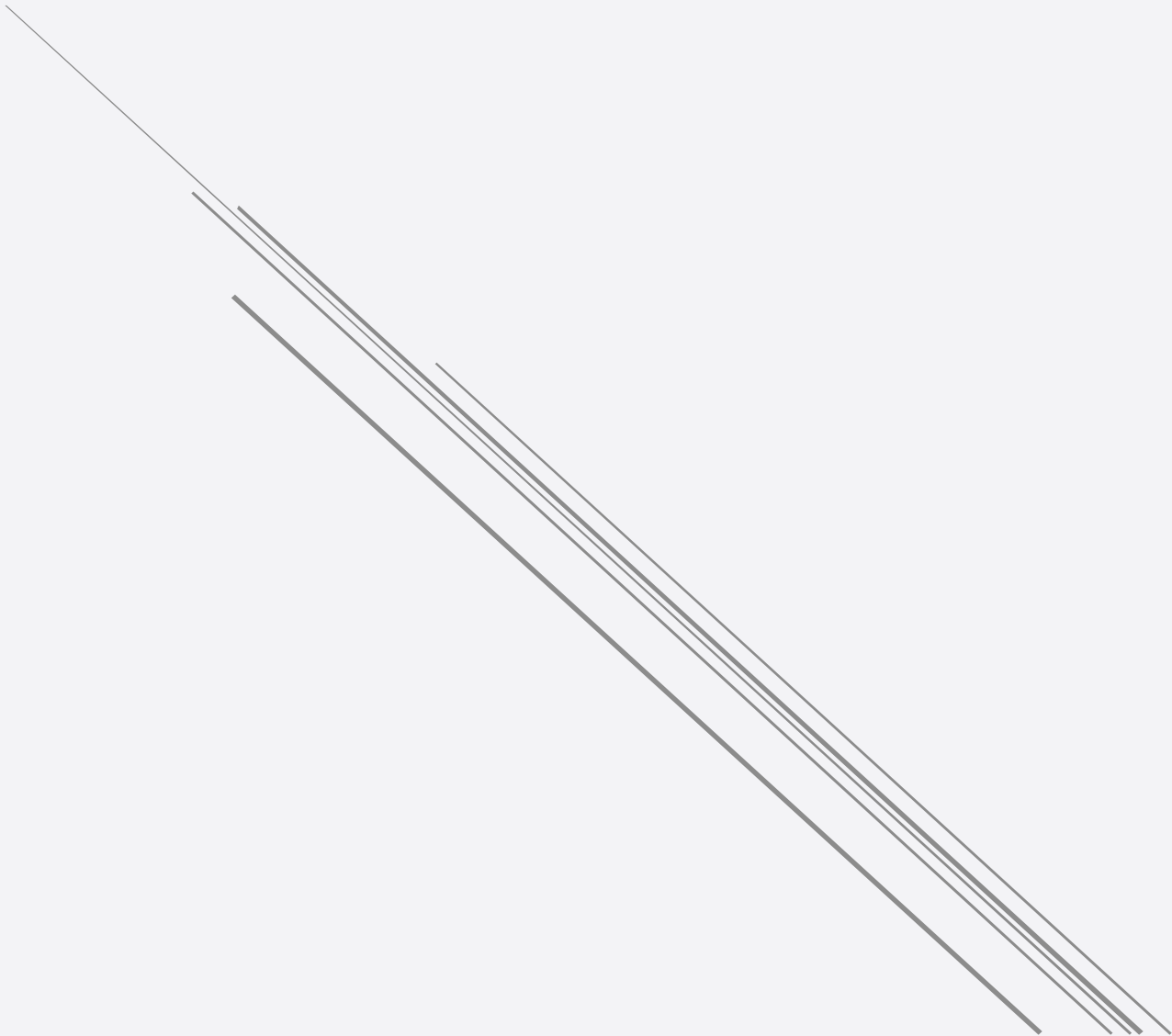
30th European Congress of Pathology

Pathology: Path to Precision medicine

8 – 12 September 2018

Euskalduna Conference Centre, Bilbao, Spain

www.esp-congress.org



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