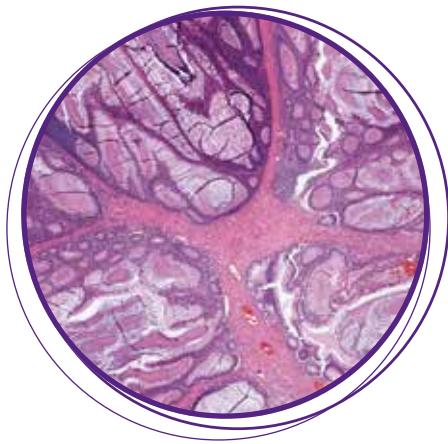


5TH DIGITAL PATHOLOGY & AI CONGRESS: USA

NEW YORK CITY
June 13-14, 2019



#DigiPathGE

www.global-engage.com



It is an exciting time for Digital Pathology in the US, with the 2017 approval of Philips Intellisite Pathology Solution paving the way for the widescale digitization of the pathologist workflow. With advances in whole slide imaging, automated analysis, and teleconsultation, as well as promising developments in artificial intelligence (AI) the field is poised to be revolutionized by this new technology.

Attracting experts working in all areas of digital pathology, the conference will examine the latest advancements in digital imaging technology, image analysis techniques, approaches to implementation and strategies for adoption, and the latest success case studies. Building on the success of last year's meetings in New York and London, we are also pleased to announce that this conference will be further exploring the latest developments in AI and machine learning for pathology, including a 50-minute interactive session exploring the introduction of this particular technology and what it can mean for your work.

In addition to the two days of presentations, roundtable discussion and interactive Q&A panel sessions, the conference will comprise of a vibrant exhibition room full of technology providers showcasing their technologies and other solutions. Whether looking to hear more about the adoption and integration of digital pathology, seeking collaborations and tools to increase workflow, or uncover the latest developments in automated image analysis, the congress is one not to be missed!

EVENT SUMMARY

- 300 attendees
- 25 exhibitors
- 35 presentations
- 6 roundtable sessions
- 2 panel discussions

EXPERT SPEAKERS INCLUDE:



LIRON PANTANOWITZ
Professor of Pathology and
Biomedical Informatics,
University of Pittsburgh



YUKAKO YAGI
Director of Pathology Imaging,
Memorial Sloan Kettering
Cancer Center



RICHARD LEVENSON
Professor and Vice Chair for
Strategic Technologies, Department
of Pathology & Laboratory
Medicine, UC Davis Health



ANNE MARTEL
Professor, University
of Toronto, Canada

AI FOR IMAGE ANALYSIS & ADVANCEMENTS IN IMAGING

- Overcoming challenges in image analysis
- Image standardization
- Troubleshooting guide
- Fully-automated image analysis
- Image registration
- Image quality and scanning speed
- Quantitative image analysis research
- Visualization methods for diagnosis and prognosis
- Image Processing and pattern recognition
- 3D imaging

IMPLEMENTATION AND PRACTICALITIES

- Overcoming challenges in image analysis
- Image standardization
- Troubleshooting guide
- Fully-automated image analysis
- Image registration
- Image quality and scanning speed
- Quantitative image analysis research
- Visualization methods for diagnosis and prognosis
- Image Processing and pattern recognition
- 3D imaging

COMPUTATIONAL PATHOLOGY & AI

- Acquisition, processing, archiving & retrieval of WSI
- Improving WSI workflow efficiency
- Cloud computing / storage solutions
- Pathology PACS
- Pathology IT
- Advancing deep learning
- Machine learning algorithms
- Understanding and integrating computational pathology

TECHNOLOGY & APPLICATION CASE STUDIES DIGITAL PATHOLOGY

- Reviewing standards
- Examples from national experiences
- Experiences with complete digitalization of the workflow
- Approaches to telepathology and wider collaborations
- Technology innovation
- Clinical trials support; diagnosis/ diagnostics; next generation sequencing; biomarker analysis /research / quantification; tissue-based research / imaging; digital biobanking

**BOOK
NOW**



Global Engage

5TH DIGITAL PATHOLOGY CONGRESS: ASIA



Come join the leading Asian Digital Pathology congress known for congregating all the leading experts from the field of digital pathology to discuss all the current advancements of the subject matter. It is not only a meeting space for the sharing of knowledge but also to build relationships and research collaboration opportunities. With over 5 hours of networking sessions, excellent speaker line up discussing relevant issues pertaining to subject matter, panel discussions that will explore all that is new in this field as well as a diverse exhibition room filled with solution providers showcasing their latest technologies – this conference is not to be missed!

2-3 APRIL 2019 – TOKYO, JAPAN

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PRE-CONFERENCE WORKSHOPS

On Wednesday June 12th we will be running pre-conference workshops. These are sponsored workshops and user meetings. Full details of these will be announced in the coming weeks however we would encourage you to sign up to these as soon as details are available as places are limited.

PRE-EVENT WORKSHOPS

FREE TO ATTEND

Pre-Conference Workshop

Sponsored by:



Wednesday June 12th 2019

5pm-9pm GMT

CONFIRMED SPEAKERS



LIRON PANTANOWITZ
Professor of Pathology and
Biomedical Informatics,
University of Pittsburgh



**SENIOR
REPRESENTATIVE**
Corista



STANLEY COHEN
Emeritus Chair of Pathology &
Founding Director, Center for
Biophysical Pathology, Rutgers-
NJMS; Adjunct Professor
of Pathology, University of
Pennsylvania



PAUL VAN DIEST
Professor of Pathology, UMC
Utrecht, Netherlands



NAT PERNICK
M.D., Founder,
PathologyOutlines.com



THOMAS FUCHS
Associate Professor,
Computational Pathology,
Memorial Sloan Kettering
Cancer Center



**JAIME RODRIGUEZ
CANALES**
Senior Pathologist, MedImmune



MATTHEW HANNA
Clinical Instructor, Memorial
Sloan Kettering Cancer Center



RICHARD LEVENSON
Professor and Vice Chair
for Strategic Technologies,
Department of Pathology
& Laboratory Medicine, UC
Davis Health



**S. JOSEPH
SIRINTRAPUN**
Memorial Sloan Kettering
Cancer Center



YUKAKO YAGI
Director of Pathology Imaging,
Memorial Sloan Kettering
Cancer Center



MARK ZARELLA
Research Assistant Professor,
Drexel University College of
Medicine, Philadelphia



LEE COOPER
Assistant Professor of
Biomedical Informatics &
Biomedical Engineering, Emory
University School of Medicine /
Georgia Institute of Technology



STEVEN HART
Associate Consultant I,
Assistant Professor of
Biomedical Informatics, Division
of Biomedical Statistics and
Informatics, Department of
Health Sciences Research,
Mayo College of Medicine



HEATHER WILLIAMS
Deputy Head/Preclinical
Scientist, King's College
London, UK



ANDREY ANTOV
Program Director, Maine
Cancer Genomics Initiative



ROHIT BHARGAVA
Director, Cancer Center at Illinois
and Professor of Bioengineering,
University of Illinois



IMAN HAJIRASOULIJA
Assistant Professor, Cornell
University



**SENIOR
REPRESENTATIVE**
Aiforia Inc.



METIN GURCAN
Director, Center for Biomedical
Informatics, Wake Forest School
of Medicine



ANNE MARTEL
Professor, University of Toronto,
Canada



**BEHNOUSH ABEDI-
ARDEKANI**
Clinical & Surgical Pathologist,
International Agency for
Research on Cancer, World
Health Organization, France



APRIL KHADEMI
Assistant Professor, Ryerson
University, Canada



DANIEL RUBIN
Professor of Biomedical Data
Science, Stanford University



MRINAL MANDAL
Professor, University of Alberta,
Canada



GIOVANNI LUJAN
Gastrointestinal Pathology,
Director Medical Education,
Inform Diagnostics



JENNIFER GILTMAN
Physician Scientist, Anatomic
Pathology & Laboratory
Medicine, Genentech




**JUAN ANTONIO
RETAMERO DIAZ**
Pathologist, Granada Hospital



BEATRICE KNUDSEN
Professor, Biomedical Sciences
and Pathology and Laboratory
Medicine, Director, Translational
Pathology, Cedars Sinai
Medical Center

8:00-8:50	Registration & Refreshments
8:50-9:00	Global Engage Welcome Address and Morning Chair's Opening Remarks:

9:00-9:40




**KEYNOTE ADDRESS:
LIRON PANTANOWITZ**
Professor of Pathology and Biomedical Informatics, University of Pittsburgh
Validating AI Apps for Pathology Practice
We are entering an exciting and innovative but largely undiscovered era in pathology. Combining digital pathology with deep learning technology presents countless opportunities to leverage AI in pathology practice. Several vendors including AI startups have accordingly begun developing pathology apps. These apps promise to not only augment mundane tasks (e.g. counting mitotic figures) for pathologists, but possibly even supplant what they are good at (e.g. detect and grade cancer). However, it remains to be determined if these miraculous algorithms are generalizable, scalable and can be easily inserted into current clinical workflow. The University of Pittsburgh Medical Center has been validating several AI apps, trying to determine their feasibility for routine practice. Dr. Pantanowitz will discuss the results of this work and offer useful recommendations for adopting AI in pathology labs.

9:40-10:15

**KEYNOTE ADDRESS:
ANDREW EVANS** (Reserved)
Assoc Professor, University of Toronto, Director of Telepathology, University Health Network, Canada
Topic: Implementation of digital whole slide imaging

10:15-10:45



**SPONSORED PRESENTATION:
SENIOR REPRESENTATIVE**
Corista
Title TBC

10:45-11:55	Morning Refreshments / Odd-Numbered Poster Presentations / One-to-One Meetings
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AI FOR IMAGE ANALYSIS & ADVANCEMENTS IN IMAGING

11:55-12:45

**AN INTERACTIVE INTRODUCTION TO AI:
STANLEY COHEN**
Emeritus Chair of Pathology & Founding Director, Center for Biophysical Pathology, Rutgers-NJMS; Adjunct Professor of Pathology, University of Pennsylvania
Basics of Machine Learning for Pathologists
"Asking whether machines can think is like asking whether submarines can swim."
This extended interactive session is structured to allow you to question Professor Cohen as he conducts his presentation. The goal is to give you a solid grounding of the terms surrounding AI and the potential it has to improve your effectiveness. Professor Cohen says:
"The term AI is a bit of a misnomer that raises a philosophical question. Asking whether machines can think is like asking whether submarines can swim. What machines can do is to learn; i.e. to improve their performance through training. This approach has been with us for over half a century but is now coming to fruition at an exponential pace with the onset of deep learning algorithms."
The basic concepts and strategies covered, include:

- Varieties of Machine Learning
- Basic clustering algorithms
- Decision Trees and Random Forests
- Unsupervised Learning
- Elementary neural and convolutional neural networks
- Integration of image and genomic data

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IMPLEMENTATION AND PRACTICALITIES

11:55-12:20



PAUL VAN DIEST
Professor of Pathology, UMC Utrecht, Netherlands
Topic: Developing and implementing a nationwide platform for WSI teleconsultation

12:20-12:45



NAT PERNICK
M.D., Founder, PathologyOutlines.com
Preparing for Change in the Pathology Community

- Management philosophy matters - inspiring and motivating is more effective than dictating
- Define a vision or set of goals that are independent of any particular person
- Be honest about the advantages / disadvantages of any new technology
- Ultimately, the process must be about promoting the vision, not satisfying someone's ego
- A series of small changes with regular feedback may be more successful than implemented one or two major changes

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1:15-2:15	Lunch
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50 MINUTE PANEL DISCUSSION:
Implementing AI in digital pathology: challenges and opportunities



THOMAS FUCHS
 Associate Professor, Computational Pathology,
 Memorial Sloan Kettering Cancer Center



PAUL VAN DIEST
 Professor of Pathology, UMC Utrecht, Netherlands



JUAN ANTONIO RETAMERO DIAZ
 Pathologist, Granada Hospital

x3 Senior Representatives

2:15-3:05



RICHARD LEVENSON
 Professor and Vice Chair for Strategic
 Technologies, Department of Pathology &
 Laboratory Medicine, UC Davis Health
**Novel microscopies with and without AI
 enhancement: pleasures and perils**

There are two parts to this talk: the first will discuss some novel microscopy developments that promise to provide more information from existing H&E-stained specimens by shedding information on extracellular matrix organization. Another new approach extends MUSE microscopy into the third-dimension and could represent a simple avenue to 3D histology that might be useful in both research and possibly clinical settings. The second part will describe our experiences using AI tools for image enhancement and mode-conversion. We have learned that such techniques are exciting but have to be applied with care and skepticism, since AI is anxious to please.

3:05-3:30

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3:30-4:00



JAIME RODRIGUEZ CANALES
 Senior Pathologist, MedImmune
**Multiplex Immunofluorescence Technologies
 for Immuno-Oncology: Applications and
 Challenges**

In recent years there has been an increasing development of multiplex immunofluorescence (mIF) techniques that can be applied to analyze tissue specimens. These techniques are ideal for cancer immunoprofiling on human biopsies, allowing for an expanded immunophenotyping analysis of the inflammatory tumor microenvironment. MIF techniques can be applied as discovery tools for multiparametric identification of new predictive biomarkers for immunotherapy and they may be employed in the near future for patient selection in clinical trials. However, challenges remain on the proper validation of these techniques with the risk of generating poor quality data that can delay the advancement of cancer immunotherapy. This talk will explore some of the main multiplex technologies available today, including key application examples, and discuss its validation from a pathologist standpoint.

2:15-2:40



MATTHEW HANNA
 Clinical Instructor, Memorial Sloan Kettering
 Cancer Center
**Clinical Implementation and Validation of WSI,
 Operational Efficiencies, and Lessons Learned**

- Rollout and roadmap of digital pathology as a clinical use case
- Digital pathology return on investment portfolio analysis
- Equivalency and efficiency evaluation of WSI to glass slides
- Lessons learned from early adoption

2:40-3:05



LEE COOPER
 Assistant Professor of Biomedical Informatics &
 Biomedical Engineering, Emory University School
 of Medicine / Georgia Institute of Technology
Scaling Annotation with Structured Collaboration

- Scaling image annotation is a significant challenge in computational pathology, with the advanced algorithms requiring large and balanced annotated datasets to realize their full potential
- An open source web-based platform with customized annotation tools was used to engage international volunteers to annotate tissue regions and cell nuclei in invasive ductal breast cancers
- Protocols were developed for various annotation tasks to engage volunteers with varying degrees of experience, ranging from medical students to pathologists and to assess inter-observer variability
- The final dataset, containing tens of thousands of tissue regions and cell nuclei, enabled the development of highly accurate convolutional networks for segmentation, recognition, and classification tasks

3:05-3:30

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3:30-4:00

4:00-4:50 Afternoon Refreshments / Even-Numbered Poster Presentations / One-to-One Meetings



YUKAKO YAGI
 Professor and Vice Chair for Strategy Technology,
 UC Davis
Multi-Modality Imaging

How to interpret the multi modal imaging and information from in-vivo to ex-vivo is one of the keys to understand and discover the mechanism of the disease. Recent development of new imaging technologies made us possible to merge multi modal data for visualization and analysis. 3D imaging technology is key technology and AI & Deep learning will take

4:50-5:20



**Table 1: Application of precision medicine
 programs in community settings**
ANDREY ANTOV

Program Director, Maine Cancer Genomics Initiative

- Genomic testing as a "new" venue for cancer treatment
- The value of interdisciplinary Molecular Tumor Boards for cancer care
- The importance of data gathering
- Access to targeted therapies in community settings

4:50-5:45

4:50-5:20

important roles in multi modal imaging as well. It will cover 3D imaging of single slide – whole organ at this presentation.



MARK ZARELLA

Research Assistant Professor, Drexel University College of Medicine, Philadelphia

Enhanced depth OCT for tumor characterization to support active surveillance

Enhanced depth imaging optical coherence

tomography (EDI-OCT) is a modification of conventional OCT designed to enhance the contrast and visibility of deep structures, although sometimes at the expense of superficial resolution. As we have shown previously, superficial resolution can be restored by implementing dynamic focus, making this an ideal tool for high resolution screening of tissue at depths approaching 2 mm. Although developed nearly a decade ago, the use of EDI-OCT has been mostly confined to retina. We applied this technology to prostate to demonstrate its potential utility for adequacy assessment, biopsy guidance, and active surveillance. Guided by corresponding whole-slide images of H&E sections, we identified OCT features that are characteristic of malignancy.

5:20-5:45



ROHIT BHARGAVA

Director, Cancer Center at Illinois and Professor of Bioengineering, University of Illinois

Chemical imaging: from fundamental theory to all-digital histopathology

Infrared (IR) spectroscopic imaging brings

together the visualization capability of optical microscopy with the chemical specificity of spectroscopy arising from fundamental molecular vibrational modes. The strong absorption provides exceptional molecular information about cancers and their microenvironment without the need for stains or dyes. In conjunction with artificial intelligence algorithms, these data can provide objective and automated evaluations to aid pathologists improve diagnostic accuracy. Current spectroscopic imaging microscopes, however, can take days or weeks to image a full spectrum at every point from a tissue sample. We developed a complete theoretical model for image formation in the IR and use this to develop new approaches to imaging techniques for all-digital histopathology.

5:45-6:10



IMAN HAJIRASOULIJA

Assistant Professor, Cornell University

Applications of deep neural networks enable for discrimination of heterogeneous digital pathology images

Pathological evaluation of tumor tissue is pivotal

for diagnosis in cancer patients and automated image analysis approaches have great potential to increase the precision of diagnosis and help reduce human error. In this study, we utilize several computational methods based on convolutional neural networks (CNN) and build a stand-alone pipeline to effectively classify different histopathology images across different types of cancer. Our classification pipeline includes a basic CNN architecture, Google's Inceptions with three training strategies, and an ensemble of two state-of-the-art algorithms, Inception, and ResNet. In addition to tissue subtype classification, we will discuss several additional applications of deep learning in digital pathology.

6:10-6:35

Table 2: Approaches to implementing digital pathology in the clinic

S. JOSEPH SIRINTRAPUN

Memorial Sloan Kettering Cancer Center



Table 3: Going 100% digital - advantages, considerations and challenges

JUAN ANTONIO RETAMERO DIAZ

Pathologist, Granada Hospital



Table 4: Disecting the business case for adoption and implementation of Digital Pathology

GIOVANNI LUJAN

Gastrointestinal Pathology, Director Medical Education, Inform Diagnostics

- Value proposition and market drivers
- Putting together a plan, evaluating costs, recommendations for decision making.
- Maximizing ROI
- Putting together a proposal
- Change Management

4:50-5:45



BEHNOUSH ABEDI-ARDEKANI

Clinical & Surgical Pathologist, International Agency for Research on Cancer, World Health Organization, France

Introduction of the Pathology Workflow of the Mutographs of Cancer Project

DNA damaging effect of environmental and lifestyle factors such as smoking and UV light could lead to distinctive patterns, known as mutational signatures. Mutographs study, funded through grand challenge mechanism of CRUK, is led by Sanger Institute and with contribution of eight research teams and through six working packages (WP). This project aims to identify the unknown cancer-causing factors and their role in carcinogenesis by whole genome sequencing and analysis of mutational signatures in 5,000 cancers from five continents in a five-year period, starting from May 2017. The International Agency for Research on Cancer (IARC) leads WP1 to collect 1,000 fresh tumor tissue and blood of each pancreatic ductal, renal cell, colorectal and esophageal carcinomas (both adeno. and squamous cell carcinoma) cases with linked clinical and life style data. Here we explain the set up of our web-based pathology review program for morphological examination of tumors and to provide appropriate approaches for DNA extraction.

5:45-6:10



HEATHER WILLIAMS

Deputy Head/Preclinical Scientist, King's College London, UK

The impact of automated Fluorescence In Situ Hybridization (FISH) microscopy in Genetics Laboratories

Since the implementation of the first automated scanning microscope and image analysis systems in pathology laboratories, Genetics Laboratories have readily implemented their use for chromosome analysis, but the use of fluorescence-based scanners has focused largely on their application in formalin fixed paraffin Embedded (FFPE) tissue specimens. The talk will review the potential impact of automated scanning microscopes for the analysis of cell suspension Fluorescence In Situ Hybridization (FISH) assays in a genetics laboratory. Several of the challenges and opportunities that lie ahead related to the implications to current testing strategies and workflow implementations will be discussed. Future challenges related to validating new tests and workforce adaptation will also be discussed.

6:10-6:35

6:35

Chair's Closing Remarks / End of Day 1

6:35-7:35

Networking Drinks Reception

8:20-8:40 Refreshments

8:40-9:20



**KEYNOTE ADDRESS:
THOMAS FUCHS**

Associate Professor, Computational Pathology, Memorial Sloan Kettering Cancer Center
Novel Deep Learning Approaches for Building Petabyte-Scale AIs

9:20-9:45



**KEYNOTE ADDRESS:
ANNE MARTEL**

Professor, University of Toronto, Canada
Using deep learning to predict outcomes

10:15-10:45



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10:15-11:25 Morning Refreshments / All Poster Presentations / One-to-One Meetings

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POSTER COMPETITION WINNERS TALK

If interested in submitting a poster and/or applying to present a poster on the programme, please contact us **deadline May 10 2019**

12:10-12:35



ULYSSES BALIS (Reserved)
Professor of Pathology, Director, Division of Pathology Informatics & Computational Pathology Laboratory Section, Michigan Medicine, University of Michigan
The development of fully-autonomous diagnostic computational pipelines

12:35-1:00



BEATRICE KNUDSEN
Professor, Biomedical Sciences and Pathology and Laboratory Medicine, Director, Translational Pathology, Cedars Sinai Medical Center
Developing the Virtual Microscope: visualizing automated biomarker discovery

1:00-1:25



MRINAL MANDAL
Professor, University of Alberta, Canada
Computer-aided Diagnosis of Melanoma
Dr. Mandal has been developing computer-aided diagnosis (CAD) techniques for Melanoma, a deadly form of skin cancer, based on histopathological image analysis for the past 10 years. This work is being done in collaboration with pathologists from Cross Cancer Institute, Edmonton, Canada. In this talk, Dr. Mandal will present an overview of his research work, and the CAD techniques developed in his Lab. The will include segmentation of skin biopsy images (e.g., skin layers, nuclei), detection of melanocytes, diagnosis and grading

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POSTER COMPETITION WINNERS TALK

If interested in submitting a poster and/or applying to present a poster on the programme, please contact us **deadline May 10 2019**

12:10-12:35



METIN GURCAN
Director, Center for Biomedical Informatics, Wake Forest School of Medicine
Synthetic histopathological image generation: A new paradigm for evaluation, teaching and quality control

- Challenge of accurate and detailed ground truth generation for histopathological images
- Synthetic image generation using deep learning
- How do we know if synthetic images are realistic?
- Implications for algorithm evaluation, teaching and quality control

12:35-1:25



50 MINUTE ROUNDTABLE SESSION:
Table 1: Sharing Code for Digital Pathology & AI
STEVEN HART
Associate Consultant I, Assistant Professor of Biomedical Informatics, Division of Biomedical Statistics and Informatics, Department of Health Sciences Research, Mayo College of Medicine

- Can we develop standard libraries for common tasks (e.g. patch extraction, verifying sufficient tissue)
- Discuss open sources of data and code including from participant's repositories



Table 2: "In-house" Laboratory LIMS development best for the lab?
HEATHER WILLIAMS
Deputy Head/Preclinical Scientist, King's College London, UK

- How to develop LIMS without compromising previous or legacy LIMS benefits

1:00-1:25

of melanoma. The techniques have been developed for a variety of stains such as H&E, MART-1, Ki-67, S100, CD-45. The CAD system includes classical image analysis tools such as image segmentation, feature extraction, and classification as well as state of the art tools such deep learning network.

12:35-1:25

- Pros/Cons of laboratory workforce involvement in LIMS development
 - Workforce on-boarding during validation of new LIMS
- Confirmed
- Table 3: Application of image analysis in multiplexing immunohistochemistry**

1:25-2:25

Lunch

2:25-2:50



JUAN ANTONIO RETAMERO DIAZ

Pathologist, Granada Hospital

Topic: Complete digital pathology for primary diagnosis: thirty months' experience at Granada University Hospital, Spain

2:50-3:15



DANIEL RUBIN

Professor of Biomedical Data Science, Stanford University

Topic: Automatic cancer classification using deep learning

3:15-3:40

APRIL KHADEMI

Assistant Professor, Ryerson University, Canada

Topic: Novel algorithms for tumor classification

3:40-4:05



JENNIFER GILTNAME

Physician Scientist, Anatomic Pathology & Laboratory Medicine, Genentech

Topic: Applications of digital pathology in the discovery and analysis of novel immuno-oncology biomarkers

4:05-4:30

ANDREW JANOWCZYK (Reserved)

Senior Bioinformatician, SIB Swiss Institute of Bioinformatics, Switzerland, Researcher, Case Western Reserve University

Topic: New deep learning datasets

4:30

Conference Close

POSTER PRESENTATIONS

MAKING A POSTER PRESENTATION

Poster presentation sessions will take place in breaks and alongside the other breakout sessions of the conference. Your presentation will be displayed in a dedicated area, with the other accepted posters from industry and academic presenters. We also issue a poster eBook to all attendees with your full abstract in and can share your poster as a PDF after the meeting if you desire (optional). Whether looking for funding, employment opportunities or simply wanting to share your work with a like-minded and focused group, these are an excellent way to join the heart of this congress.

In order to present a poster at the congress you need to be registered as a delegate. Please note that there is limited space available and poster space is assigned on a first come first served basis (subject to checks and successful registration). We charge an admin fee of \$100 to industry delegates to present, that goes towards the shared cost of providing the poster presentation area and display boards, guides etc. This fee is waived for those representing academic institutions and not for profit organisations.