

VIRTUAL SYMPOSIUM: DIGITAL PATHOLOGY

15 October 2020 | PDT (UTC -7)

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Conference Brochure

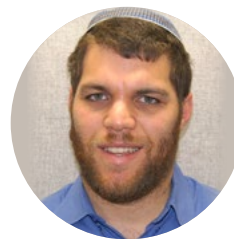
KEY SPEAKERS INCLUDE



Zhiyong (Sean) Xie
Pfizer



Beatrice Knudsen
University of Utah



Jeffrey Rosenfeld
Rutgers University

Book Online: www.oxfordglobal.co.uk/virtual-symposium-digital-pathology/

Join the Conversation: @bmd_congress



KNOWLEDGE SHARING & NETWORKING

FROM THE COMFORT OF YOUR HOME



Hear from and meet with the leading figures in the digital pathology field, offering in-depth presentations and new ideas you can use to advance your research



Interact with fellow attendees and speakers through the networking features of the Event App as well as during the live Q&As, taking place at the end of each presentation



Explore how Digital Pathology is being utilised in Oncology. Presentations consider how these new technologies enhance detection, segmentation, feature extraction and tissue classification within immune therapy



Gain insights into how digital image analysis tools are currently being used in biomarker development, translational research, diagnostic laboratories and drug development. Further talks consider emerging concepts such as artificial intelligence, machine learning and the integration of omic technologies

Topic Areas Include:

Digital Pathology In Biomarker Development & Translational Research:

- Multiplex Spatial Tissue Analysis
- Image Analysis In Tissue Biomarker Research
- Computational Imaging and Biomedical Research
- Immuno-Oncology and Oncology Biomarker Development
- Digital Pathology for Precision Medicine

Emerging Technologies In Digital Pathology:

- Integrating Digital Pathology with Omics Technologies
- Leveraging on Big Data and Artificial Intelligence in Digital Pathology in Immunotherapy

Moving Digital Pathology Into The Clinic:

- Case studies for Healthcare and Pharma: Bridging the gaps between research, development and clinical uptake
- Panel Discussion: Accelerating Clinical Deployment

Featuring presentations by these companies and more



VIRTUAL SYMPOSIUM: DIGITAL PATHOLOGY

07:55
-
08:00



Chairman's Opening Address

MORNING SESSIONS

Keynote Address: How Is Digital Pathology Being Utilised In The Pharma Industry?

08:30
-
09:00

JASON HIPPI, Senior Director, Translational Medicine; Head of Pathology Data Science & Innovation,
AstraZeneca

Indica Labs' Pharma Services: Facilitating Tissue Based Immuno-Oncology Research

09:00
-
09:30

- Immuno-Oncology biomarker assays benefit from high-plex technologies to better understand the immune landscape
- There are multiple workflows for multiplex IHC/IF assays
- HALO® is a comprehensive, easy-to-use, image analysis platform for analyzing multiplex assays to understand the immune profile within the spatial context of the tumor microenvironment
- The Pharma Services group at Indica Labs uses the HALO® platforms to support client's biomarker programs

JEFF DZUBAY, Strategic Accounts Manager,
Indica Labs



Digital Pathology And Image Analysis In Tissue Biomarker Research

09:30
-
10:00

ZHIYONG (SEAN) XIE, Director of Statistical Learning, Drug Safety Research & Development,
Pfizer

Digital Pathology And Multiplex Spatial Tissue Analysis

10:00
-
10:30

- Multiplex immunostaining provides a wealth of spatial information on tissue cellular contents, but requires image segmentation and analysis methodologies to fully capture the rich data contained in these image datasets.
- A rigorous quality control methodology is necessary to validate semi-automated image segmentation approaches in a multiplex setting
- With appropriate structural markers, subdivision of the whole slide or region of interest into specific tissue types (epithelial, stromal, immune infiltrate), and subcellular localizations (nucleus, membrane, cytoplasm) may be possible

TREVOR MCKEE, Image Analysis Core Facility Manager,
Princess Margaret Cancer Centre, Canada

Integrating Digital Pathology With Omics Technologies

10:30
-
11:00

BEATRICE KNUDSEN, Medical Director, Computational Pathology Professor,
University of Utah

11:00
-
11:30

*Delegates are welcome to attend talks
in the co-located conferences*

Panel Discussion: Digital Pathology – Moving Forward To The Clinic

11:30
-
12:00

- Reflection of diagnostic work-flow and patient development
- Bridging the gap between research and clinical update
- Impact of Digital Pathology and Artificial Intelligence tools

Invited Panellists Include:

LIRON PANTANOWITZ, Professor of Pathology and Biomedical Informatics,
UPMC

Computational Staining Of The Tumor Microenvironment

12:30
-
13:00

This talk will explain how multiplexing coupled with digital pathology has emerged as one of the best methods to evaluate the tumor microenvironment. The role of image analysis to precisely quantify biomarkers will be reviewed, as well as how computational staining using deep learning methods can be used to characterize the spatial organization of cellular infiltrates. Neoplastic applications utilizing this technology specific to immuno-oncology will be explored.

LIRON PANTANOWITZ, Professor of Pathology and Biomedical Informatics,
UPMC

Virtual Symposium: Digital Pathology

15 OCTOBER 2020 | ALL TIMES SHOWN ARE PDT (UTC -7)

12:30
-
13:30

Lunch Break

13:30
-
14:00

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Implementing Digital Pathology For Clinical Applications; Are We There Yet?

14:00
-
14:30

ANIL PARWANI, Professor of Pathology and Biomedical Informatics; Vice-Chair of Anatomic Pathology; Director of Pathology Informatics; Director, Digital Pathology Shared Resources,
The Ohio State University

14:30

End Of Conference



2020 EVENT SCHEDULE

Biologics Series

UK

- 13th Annual Proteins & Antibodies Congress**
27 - 28 August 2020 | BST (UTC+1)
- 7th Annual Peptides & Oligonucleotides Congress**
27 - 28 August 2020 | BST (UTC+1)
- 2nd Annual Bispecifics in Discovery & Development Congress**
27 - 28 August 2020 | BST (UTC+1)

Co-located Events

Biomarkers Series

UK

- 15th Annual Biomarkers Congress**
18 - 20 February 2020 | Manchester, UK
- Genomic Markers Congress**
18 - 20 February 2020 | Manchester, UK

Co-located Events

US

- 5th Annual Biomarkers & Precision Medicine USA Congress**
15 - 16 October 2020 | PDT (UTC-7)

Cell Series

UK

- 9th Annual Cell Culture & Bioprocessing Congress**
06 - 07 October 2020 | BST (UTC+1)
- 7th Annual Regenerative Medicine & Advanced Therapy Development Congress**
06 - 07 October 2020 | BST (UTC+1)
- 6th Annual Cell & Gene Therapy Manufacturing Congress**
06 - 07 October 2020 | BST (UTC+1)

Co-located Events

Formulation & Delivery Series

UK

- 6th Annual Formulation & Drug Delivery Congress**
08 - 09 July 2020 | BST (UTC+1)
- 5th Annual Inhalation & Respiratory Drug Delivery Congress**
08 - 09 July 2020 | BST (UTC+1)
- Biomanufacturing Congress**
08 - 09 July 2020 | BST (UTC+1)

Co-located Events

US

- 3rd Annual Formulation & Drug Delivery USA Congress**
29 - 30 September 2020 | PDT (UTC-7)
- 3rd Annual Inhalation & Respiratory Drug Delivery USA Congress**
29 - 30 September 2020 | PDT (UTC-7)

Co-located Events

Immuno Series

UK

- 5th Annual Advances in Immuno-Oncology Congress**
24 - 25 August 2020 | BST (UTC+1)
- Autoimmunity & Immunology Congress**
24 - 25 August 2020 | BST (UTC+1)

Co-located Events

US

- 3rd Annual Advances in Immuno-Oncology USA Congress**
15 - 16 October 2020 | PDT (UTC-7)

PharmaTec Series

UK

- 18th Annual Pharmaceutical IT & Data Congress**
24 - 25 September 2020 | BST (UTC+1)
- 4th Annual Artificial Intelligence in Drug Development Congress**
24 - 25 September 2020 | BST (UTC+1)
- 2nd Annual SmartLabs & Laboratory Informatics Congress**
24 - 25 September 2020 | BST (UTC+1)

Co-located Events

Discovery Series (Formerly R&D Series)

EU

- 21st Annual Drug Discovery Summit**
29 - 30 July 2020 | CEST (UTC+2)
- 8th Annual Drug Design and Medicinal Chemistry Congress**
29 - 30 July 2020 | CEST (UTC+2)
- 2nd Annual Neuroscience Drug Discovery Congress**
29 - 30 July 2020 | CEST (UTC+2)

Co-located Events

NextGen Omics Series

UK

- 12th Annual Next Generation Sequencing & Clinical Diagnostics Congress**
05 - 06 November 2020 | GMT (UTC+0)
- 8th Annual Single Cell Analysis Congress**
05 - 06 November 2020 | GMT (UTC+0)
- 6th Annual Genome Editing Congress**
05 - 06 November 2020 | GMT (UTC+0)
- 2nd Annual Digital PCR Congress**
05 - 06 November 2020 | GMT (UTC+0)

Co-located Events

US

- 6th Annual Next Generation Sequencing USA Congress**
03 - 04 December 2020 | EST (UTC-5)
- 6th Annual Single Cell Analysis USA Congress**
03 - 04 December 2020 | EST (UTC-5)
- 4th Annual Genome Editing USA Congress**
03 - 04 December 2020 | EST (UTC-5)

Co-located Events

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