WEBINARS

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Virtual Biomarkers: An Emerging High-Throughput Research Tool
Thursday, August 11, 2022 1:00 PM - 2:00 PM EDT
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About This Webinar
Pathology underlies every facet of health care, influencing more than 70% of all medical decisions. It is used in every phase of pre-clinical and clinical drug development, in every human research model, and in an increasing majority of standard and companion diagnostics for precision cancer care. However, such studies, whether performed traditionally via visual microscopy or via newer artificial intelligence (AI)-based image analysis, are limited by the number of markers that can be performed in a given time and with a given sample. These limitations can be overcome through the use of virtual pathology.

Virtual microscopy provides it to us to be able to cherish the ancient practice of histopathology using a digital process in a non-destructive feature. The process is enabled by a machine learning-based virtual histology technology that allows fully digital and virtual multiple tissue platforms to substantially improve the quality and quantity of a pathology sample. It is accomplished by capturing the sample depth, maintaining the pre-operative histological features of normal tissue, and reconstituting the storage and processing of the cancer-relevant biomarkers. Researchers also discuss the additional benefits of the technology. These include ease of use, and digital output that can be extremely integrating with downstream image analysis software, thereby providing total characterization of cellular processes in minutes.

Who should attend:
Researchers and engineers working in pathology who are interested in recent progress to gather the field.
Researchers working with bioinformatics tools.
Those interested in histopathology, imaging, microscopy, and/or histology.
Researchers from industry such as cancer research, histopathology, medical, and pharmaceutical.

About the presenters:
Yun Konstantin, Ph.D., FIDT, and co-founder of Precious Labs. Prior to starting his active role in Precious Labs, he served as an Adjunct Assistant Research Professor at the University of Chicago Department of Electrical and Computer Engineering. There, he developed the core technologies that would become Precious Labs' foundation, and translated his technology to the founding of the company in 2014. He has been recognized by the National Academy of Inventors as a fellow and by the White House as one of the top 100 most innovative tech leaders.

How to Mark Your Calendar:
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Windows 8.1 or later, Mac OS 10.11 or later, Linux
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