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Labs, Worldwide Commit to Improving Microbiome Measurements

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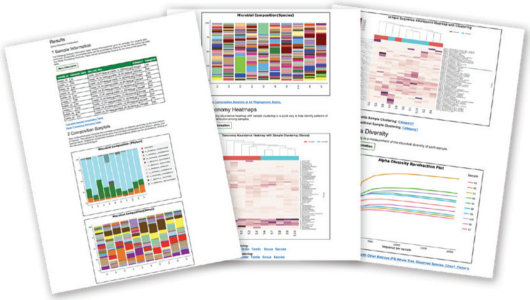

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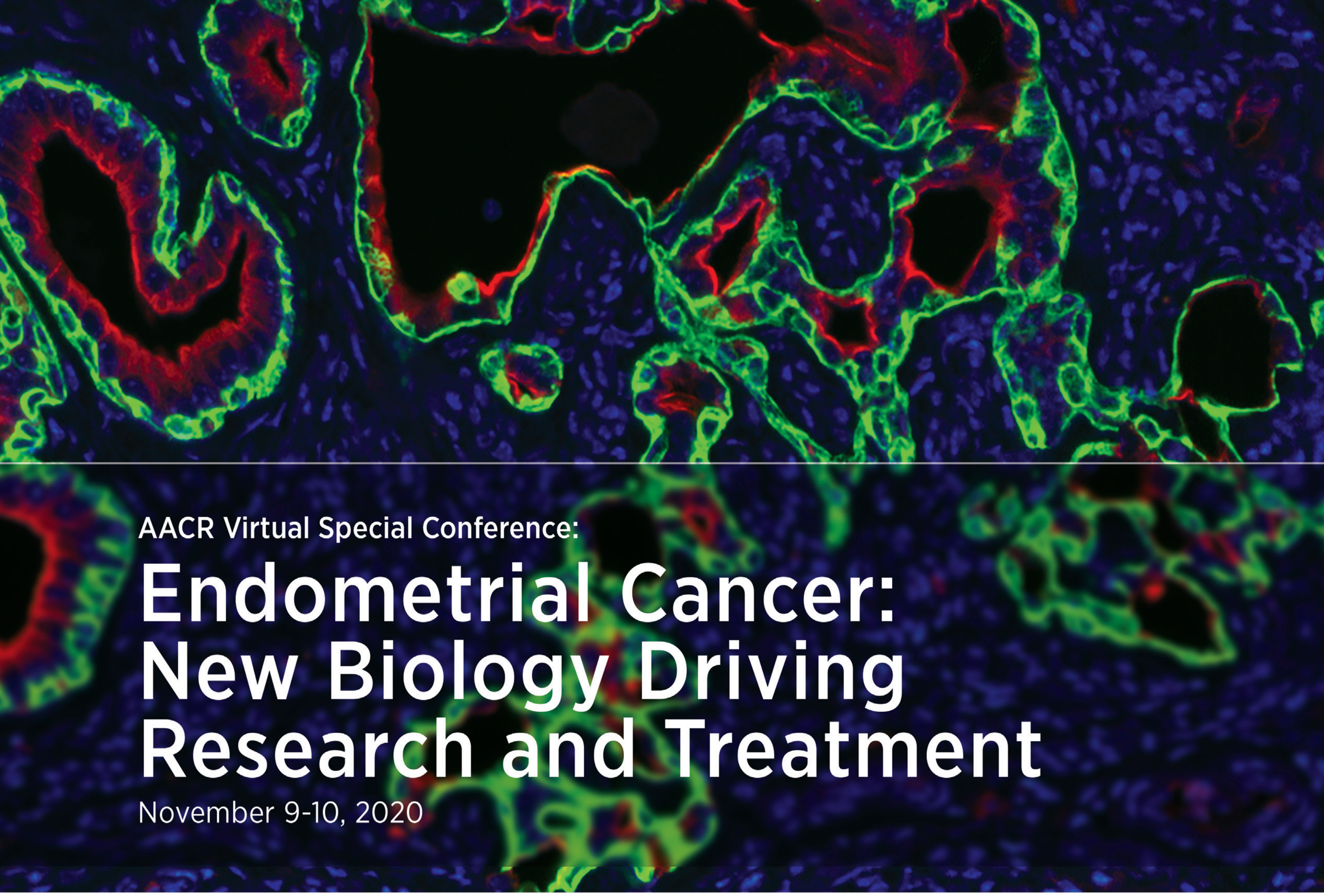

AACR Virtual Special Conference:

Endometrial Cancer: New Biology Driving Research and Treatment

November 9-10, 2020

Register Online!

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Cancer Center, New York, NY

ABOUT THIS CONFERENCE

This AACR Virtual Special Conference on Endometrial Cancer will explore New Biology Driving Research and Treatment. A broad range of topics will be discussed, from basic research in model systems, exploration of cause, and early detection and characterization to novel immunologic therapies, precision, and targeted therapeutics. The Conference Cochairs have developed a multidisciplinary program that will appeal to laboratory scientists and clinical oncologists committed to understanding and eliminating endometrial cancer.

Continuing Medical Education (CME) Activity
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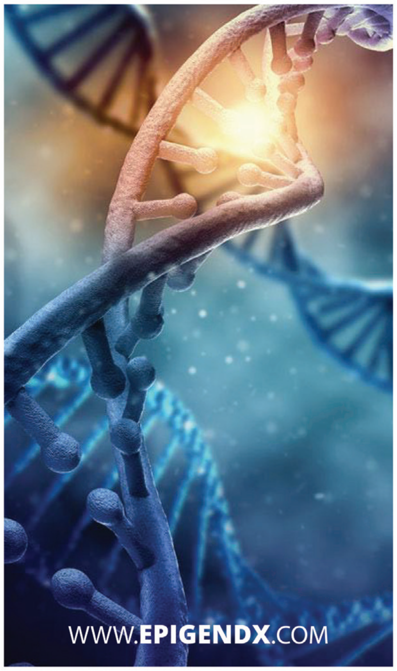

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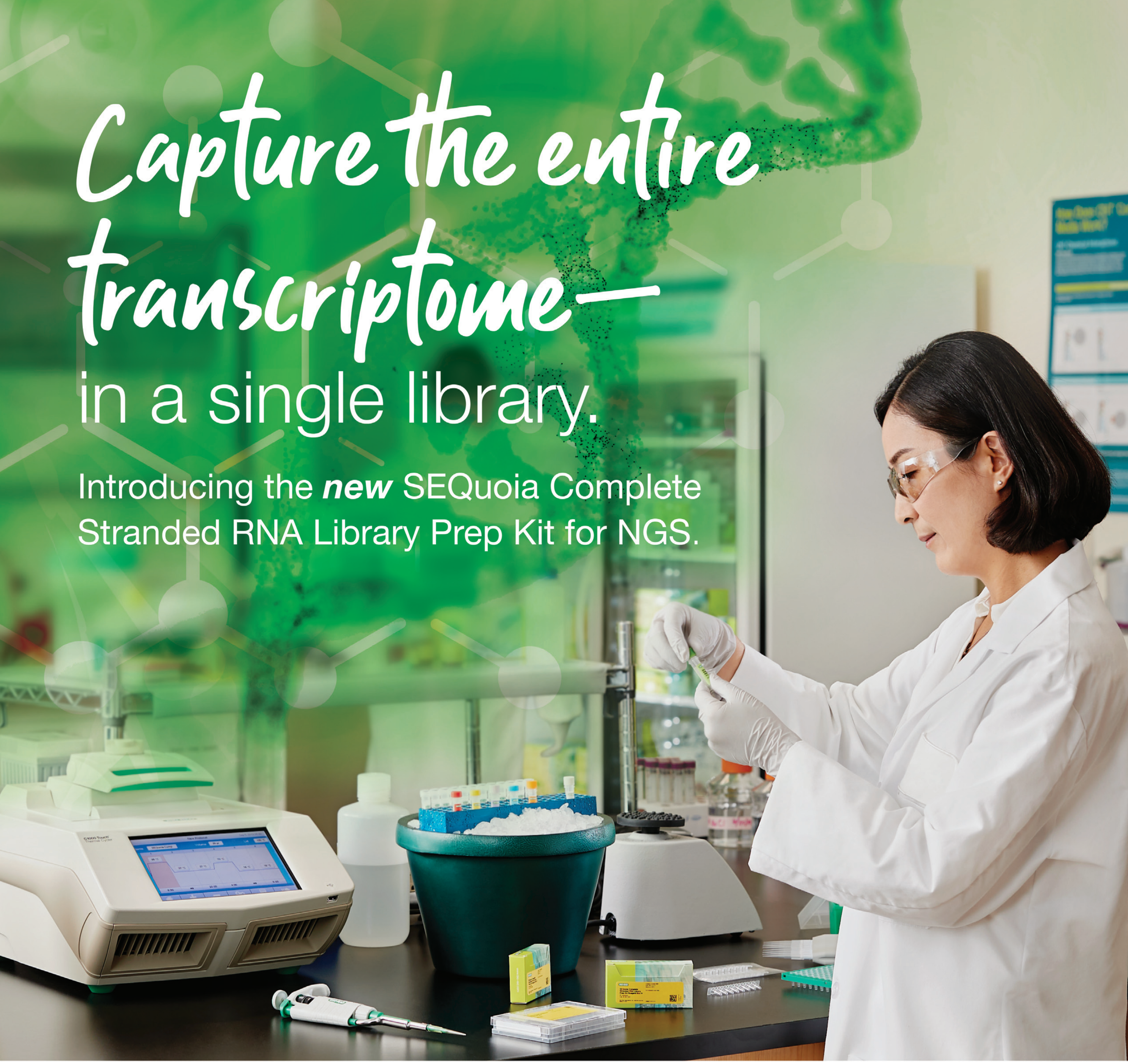
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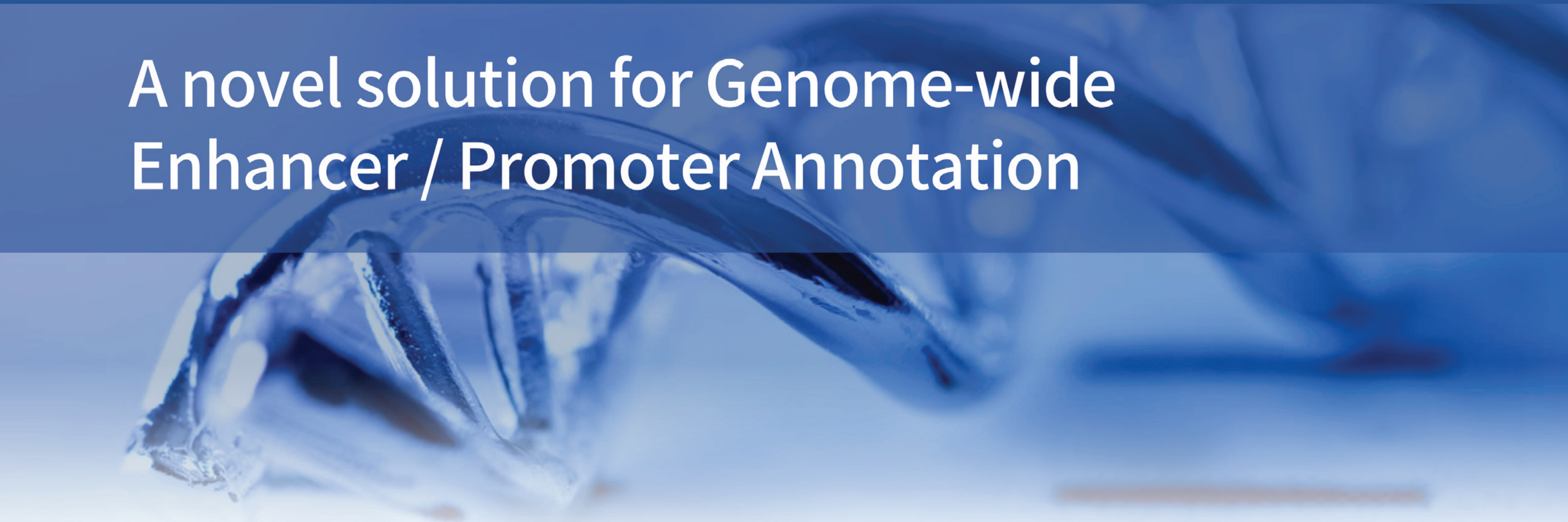
NET-CAGE : Native Elongating Transcript Cap Analysis of Gene Expression

A novel solution for Genome-wide Enhancer / Promoter Annotation



NET-CAGE is a new NGS library preparation method using "cap-trapping" technology which enables you to detect **transcription start site** and **instantaneous transcriptional activity** of RNA pol II transcripts including **short-lived transcripts** such as **eRNAs** and **uaRNAs**.

- **Genome-wide High-resolution detection of active enhancers**—identify precise position of active enhancers by detection of bidirectional enhancer RNAs (eRNAs).
- **Detection of instantaneous gene expression**—detect accurate transcriptional activity at a given moment by quantifying nascent RNA pol II transcripts.
- **Accurate quantification of gene expression**—PCR-free library preparation process without fragmentation allows for more reliable quantification of gene expression than RNA-seq.
- **Applicable for cryopreserved cells and tissue samples**—The protocol does not contain any incorporation process for labeling.

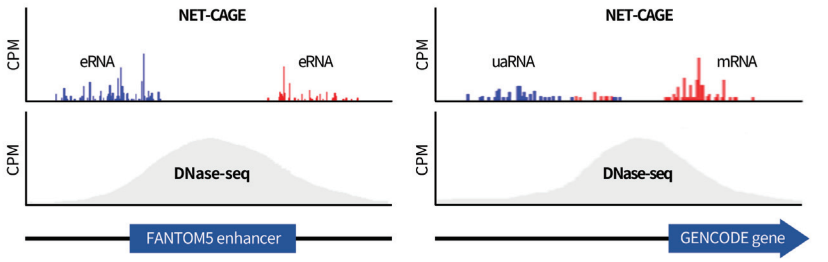


Fig.1. NET-CAGE signals around a region of FANTOM5 enhancer (left) and GENCODE gene (right).

NET-CAGE library preparation /analysis services	
NET-RNA extraction	100 USD/sample
CAGE library preparation for Illumina sequencers	500 USD/sample
Sequencing (Illumina HiSeq/ NextSeq)	250 USD/sample
CAGE bioinformatics analysis	250 USD/sample

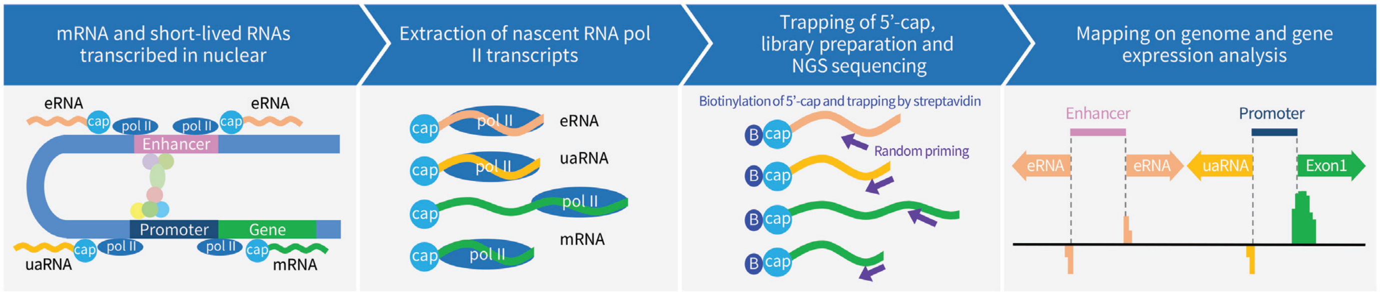


Fig.2. Workflow of the NET-CAGE. NET-CAGE is a unique NGS library preparation method using "cap-trapping" technology.

More than 250 papers using CAGE have been published!
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