



Visualize the RNA world

Speakers

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Date

April 26, 2018

Time

1030 AM – 1130 AM

Location

Glen
Training room - EM13509

For more information and to RSVP, contact:

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SEMINAR: Visualize Gene Expression and Genetic Variations in the Tissue Environment Using the Ventana DISCOVERY ULTRA Platform

The RNAscope® assay is a proprietary RNA *in situ* hybridization (ISH) assay based on ACD's patented signal amplification and background suppression technology which advances RNA biomarker analysis in tissues and cells.

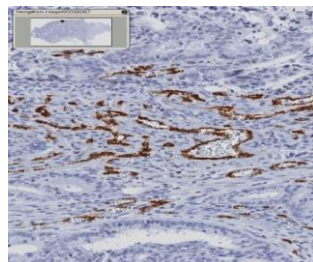
Using the RNAscope® assay and the recently introduced BaseScope™ assay, you can:

- Detect, characterize, and (co-)localize mRNAs in tumours:
 - Identify co-expression with specific cell type markers.
 - Understand sub-cellular localization of mRNA expression in cell body, axons or dendrites.
- Validate target mRNA expression after high-throughput transcriptome analysis.
- Detect mRNA in the tumour microenvironment when no (reliable) antibodies are available, including membrane receptors, secreted factors and long non-coding RNA (lncRNA)
- Validate (cell type-specific) genetic modifications including knock-out models or transgene expression.
- Characterize specific alternatively spliced variants in single cells.

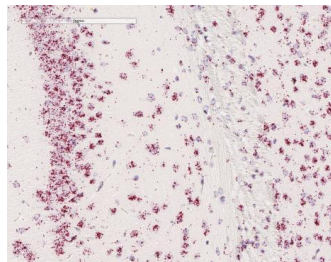
The RNAscope® technology is proven and published in over 1300 publications in various research areas such as cancer, neuroscience, immuno-oncology, infectious disease and stem cell.

Join this seminar to learn how RNAscope® Technology has been used in cancer research.

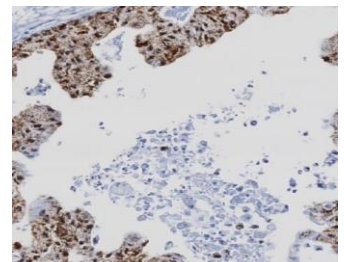
Join this seminar to learn more about automating the ACD assays on the Ventana DISCOVERY ULTRA instrument and discover all other assay automation possibilities.



PECAM1 mRNA expression in human colon FFPE tissue with Automated RNAscope® VS Brown



Mouse Brain FFPE Tissue: Ppib mRNA (red dots) expression using the RNAscope® LS Reagent Kit-RED



Her2 mRNA expression in human breast cancer FFPE tissue with Automated RNAscope® VS Brown

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