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- **DriverMap™** Targeted RNA Expression Profiling
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YOUR INPUT

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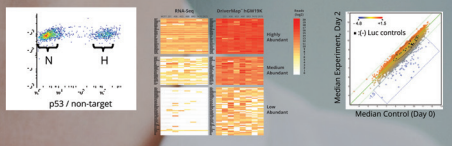
YOUR RESULTS

Functionally Important Genes & Biomarkers



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Who we are

Cellecta is a leading provider of genomic products and services. Our functional genomics portfolio includes gene knockout and knockdown screens, custom and genome-wide CRISPR and RNAi libraries, construct services, cell engineering, NGS kits and targeted expression profiling products and services.

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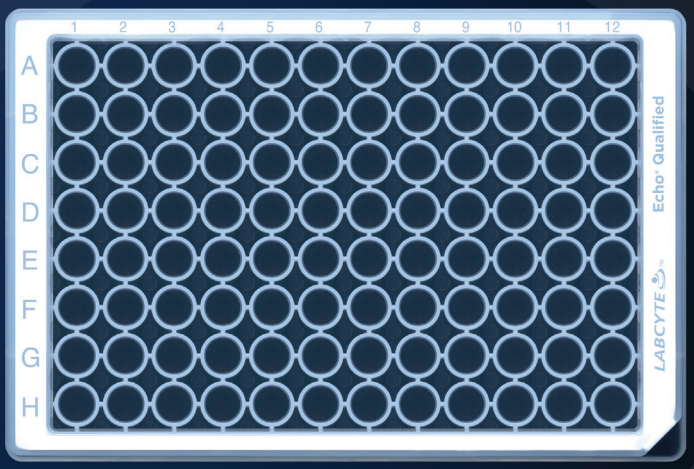

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aerial view of CSHL sandspit and inner harbor during meeting social

RNA Control & Regulation

84th CSHL Symposium **May 29 - June 3, 2019** Poster abstracts due March 8

Terri Grodzicker, David Stewart, Bruce Stillman *Cold Spring Harbor Laboratory*

Topics

RNA-Based Structures
RNA Modifications
Nuclear Localization of RNA
Quality Control & Editing
RNA & Gene Regulation
Cotranscriptional Splicing
Intron / Exon Boundaries
Alternative Polyadenylation
Transposon Control
Small Noncoding RNAs
Long Noncoding RNAs
RNA & Development
Membrane-Less Organelles
Phase Separation
RNA-Based Diseases
Novel RNA functions

meetings.cshl.edu/rnasymp

RNA & Oligonucleotide Therapeutics

March 27 - 30, 2019 Abstracts due January 11

Annemieke Aartsma-Rus, *Leiden University Medical Center* **Masad Damha,** *McGill University*

Matthew Stanton, *Generation Bio* **Laura Sepp-Lorenzino,** *Vertex Pharmaceuticals Inc.*

Topics

Nucleic Acid Chemistry
Delivery
Emerging Therapeutics
Preclinical Development
Clinical Programs
Safety

meetings.cshl.edu/rnatx19

Eukaryotic mRNA Processing

August 20 - 24, 2019 Abstracts due May 31

Alberto Kornblihtt, *University of Buenos Aires, Argentina*

Jens Lykke-Andersen, *University of California, San Diego*

Karla Neugebauer, *Yale University*

Topics

Alternative splicing
Mechanisms of RNA Splicing
RNA-Protein interactions
RNP complexes
3' end processing
RNA modification
RNA structure
Co-transcriptional RNA processing
RNA turnover & quality control
Small RNA biogenesis and function
Viruses and RNA processing

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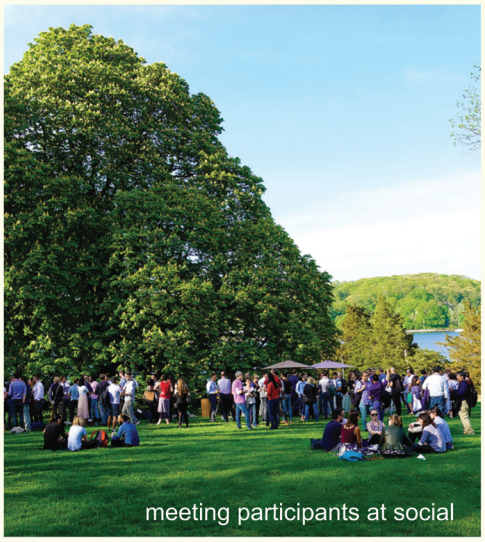
meeting participants at social

Eprobe® / Eprimer™ fluorescent probe

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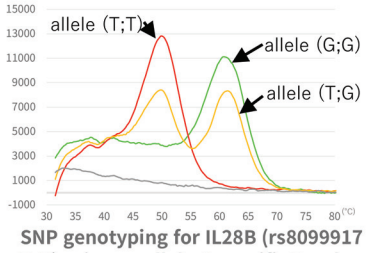
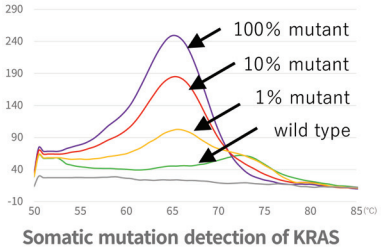
Eprobe is a DNA-based fluorescent probe which emits fluorescence when specifically binding to a complementary strand. Melting curve analysis after PCR can detect SNP genotype and somatic mutations. Two fluorescent dyes (thiazole orange and thiazole pink) are available.

- **High resolution SNP detection**—Increased Tm (approx.10°C) by the thiazole orange enables a shorter probe design and a clearer distinction of SNPs
- **Simple and highly sensitive somatic mutation detection**—sensitive detection of somatic mutations (down to 0.1%) can be achieved by suppression of PCR amplification of wild-type alleles by Eprobe (PCR clamping)
- **Compatible with most real time PCR instruments**—fluorescence emitted by Eprobe can be detected using a filter for SYBR® Green I* *SYBR® is a registered trademark of Molecular Probes, Inc.
- **Easy to use online design tools**—a design tool for a primer/Eprobe (E-design, www.dnaform.com/edesign2/) and a thermodynamic calculation tool (ECHO, www.dnaform.com/devel/echo/thermodynamics/) are available



SNP genotyping for IL28B (rs8099917 T;G) using an allele G specific Eprobe



Somatic mutation detection of KRAS G12D using an wildtype specific Eprobe.

Fluorphore (excitation/emission)	1.5 nmol	3.0 nmol	5.0 nmol	10.0 nmol
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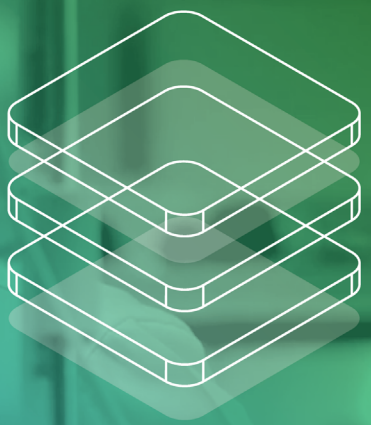

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