

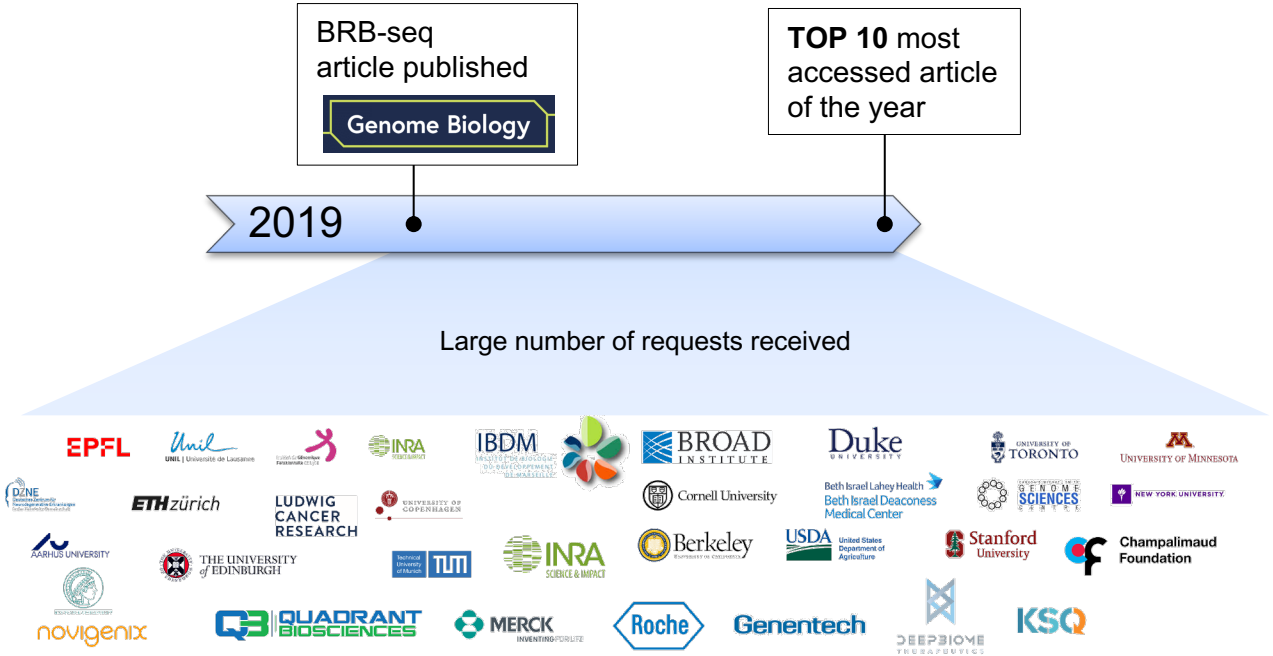
# Alithea Genomics

Bringing the power of RNA sequencing
to drug and biomarker discovery

info@alitheagenomics.com

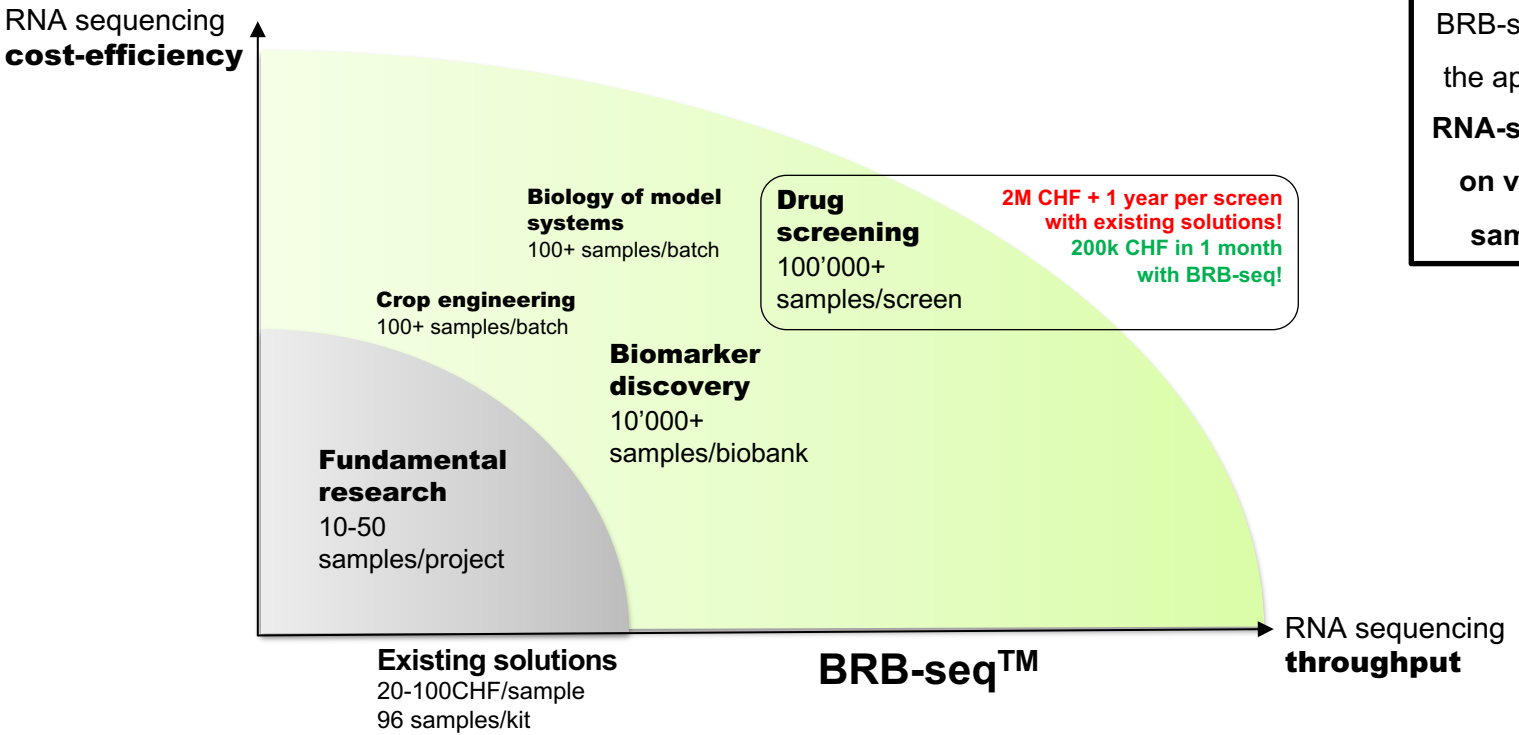
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# 2019: the first BRB-seq publication



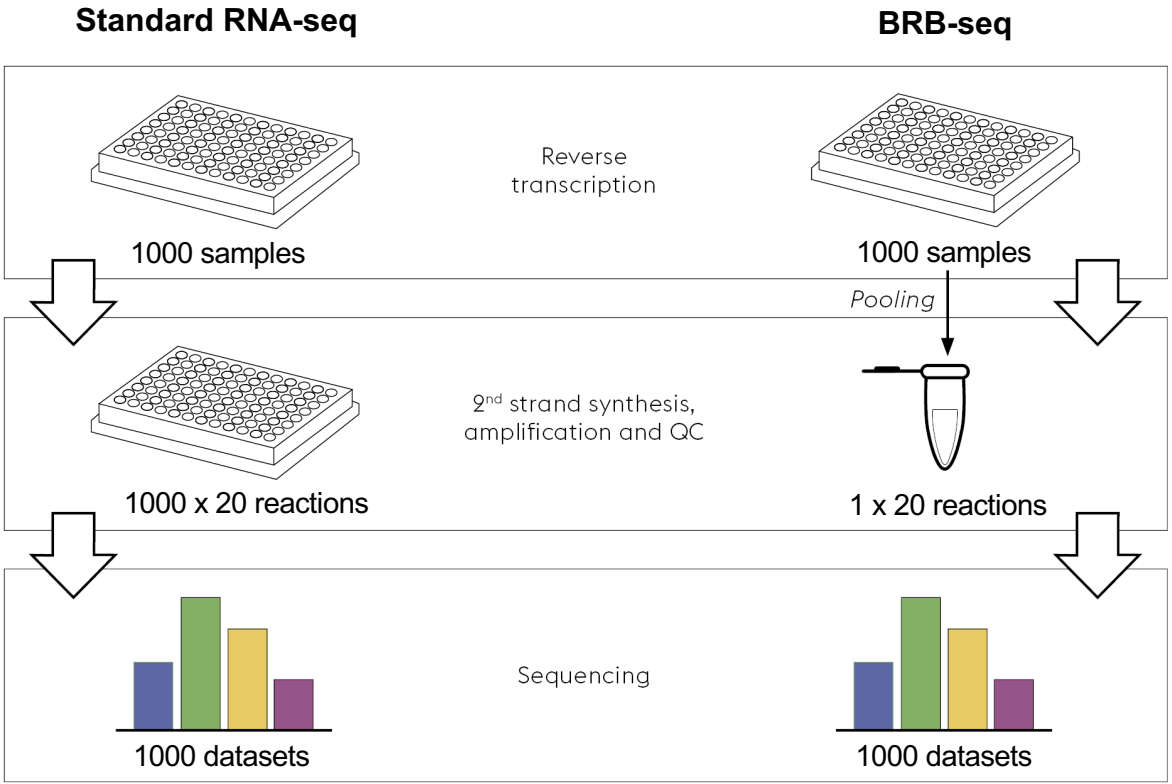

BRB-seq drastically
**decreases costs**
and
**increases**
**the throughput**
of
**RNA-sequencing**

# Limitations of existing RNA sequencing and the benefits of BRB-seq



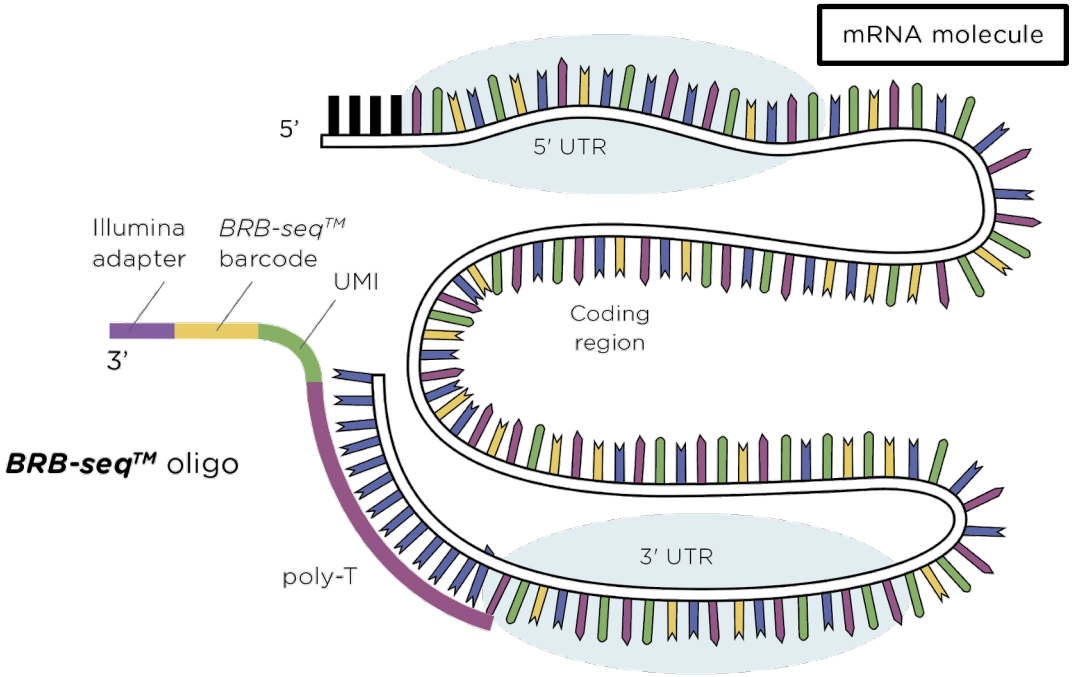

BRB-seq enables the application of **RNA-sequencing on very large sample sets**

# BRB-seq vs standard RNA sequencing



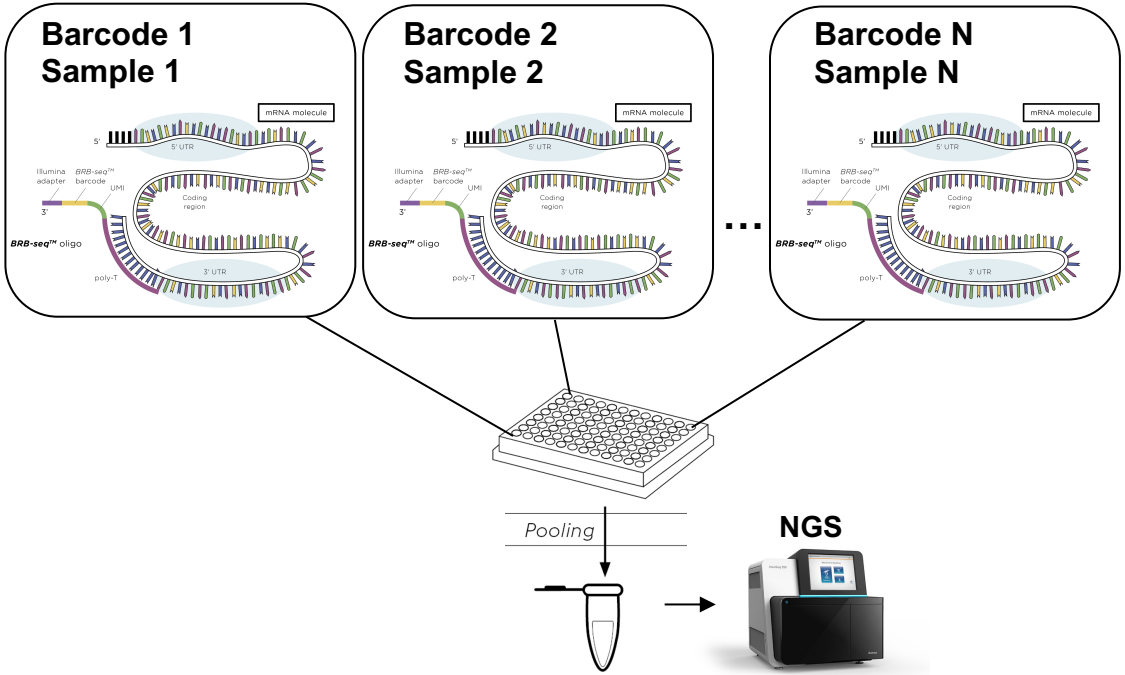

As compared to standard RNA sequencing **BRB-seq processes thousands of samples in parallel and in one single tube.**

# Inside BRB-seq: Bulk RNA Barcoding




BRB-seq uses **proprietary synthetic oligonucleotides** to capture mRNA molecules from biological samples.

# Inside BRB-seq: Bulk RNA Barcoding




Each BRB-seq oligo contains a unique DNA sequence, **the "barcode", which is used to demultiplex samples** during downstream bioinformatic analysis. We have now a highly optimized pool of 96 barcodes, soon to be expanded to 384 and 1536.

# Products: the MERCURIUS BRB-seq platform

## Service

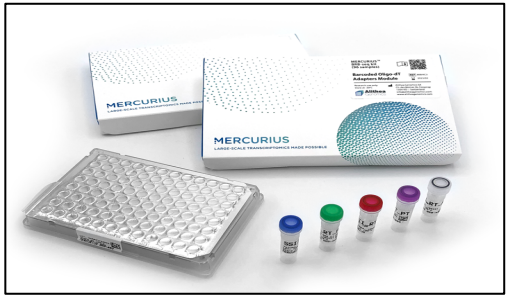
From RNA to data analysis.



- **Most cost-efficient** option.
- **Shortest turnaround** times.
- **Best offer worldwide** for RNA-seq on blood samples.

## Kits

BRB-seq at your bench.




- **Most cost-efficient** option.
- 96-, 384-, 1536-samples/kit.
- Single-cell and bulk formats.
- Dedicated **benchtop instruments** (beta-test phase).

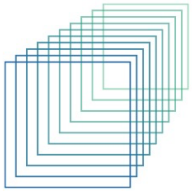
## Software

Cloud-based analysis suite.




- Streamlined **cloud analysis**.
- **No need for local storage** or dedicated computational clusters.

(currently under development)



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