

DISCOVER

What Your Sequencing Is Missing

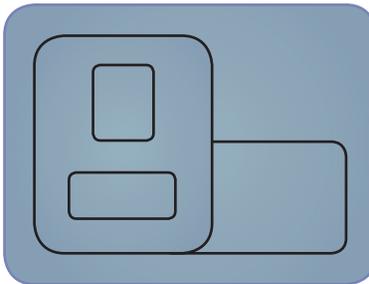
with

TRUE SINGLE MOLECULE SEQUENCING (tSMS™)

- Amplification-free
(avoid PCR bias)
- Library Prep-free
(avoid ligation bias)
- Accurate Quantitation
- Sequence Challenging Samples
(short, degraded, low quantity, etc.)



Collaborations



System & Services



Grant Support

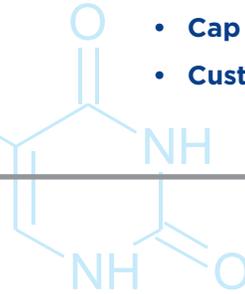
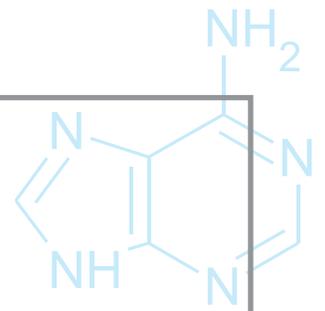
● RNA Sequencing Services

Sequence RNA molecules without adding amplification bias and complex library prep steps. With ultra-low input volumes, get expression data with large dynamic range, discover the rare transcripts, and explore low-fold changes in the expression levels enhanced by tSMS sensitivity.

Versatile Solutions

- RNA Sequencing (RNA-Seq)
- Direct RNA Sequencing (DRS™)
- Digital Gene Expression (DGE)

- **Gene Expression Studies**
- **miRNA Sequencing**
- **FFPE RNA Sequencing**
- **Biomarker Discovery**
- **Fusion Detection**
- **Rare Mutation Detection**
- **Transcriptome Profiling**
- **Cap Analysis Gene Expression (CAGE)**
- **Custom Projects**



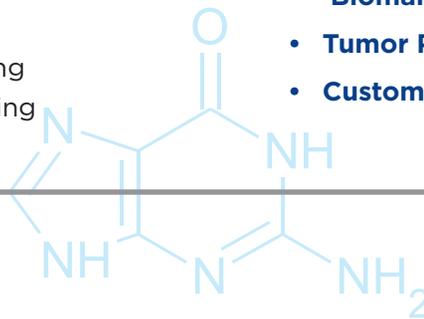
● DNA Sequencing Services

Get the unbiased view of your DNA samples without adding PCR amplification bias and complex library prep steps. The minimal sample prep, quantitation accuracy and sensitivity of tSMS offers unsurpassed insights about samples that are difficult to sequence with other NGS technologies.

Versatile Solutions

- Shotgun DNA Sequencing
- Direct Capture Sequencing

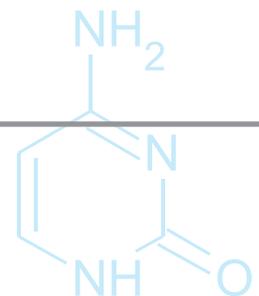
- **Cell Free DNA Sequencing**
- **FFPE DNA Sequencing**
- **Ancient DNA Sequencing**
- **Direct Capture Sequencing**
- **Targeted Sequencing**
- **Microbiome Studies**
- **Biomarker Discovery**
- **Tumor Profiling**
- **Custom Projects**



● Bioinformatics Services

Leverage SeqLL's bioinformatics expertise to analyze the sequencing data and help answering complex biological questions. SeqLL's bioinformatics specialists work with your team to define the scope of the analysis, data requirements, and help to understand the sequencing data at greater depths.

- **Data Processing**
- **Biomarkers Research**
- **Pathway Analysis**
- **Gene Expression Analysis**
- **Deep Learning and AI**
- **Custom Bioinformatics Projects**



Grant Support

Utilize the unique advantages of tSMS to advance your ideas to the new heights in your grant funded research. Researchers leverage SeqLL's expertise in tSMS technology, assay development, bioinformatics, and system engineering to support the research grants in various capacities. SeqLL is engaged as an industry partner in multiple NIH and international research grants with elite research institutes.

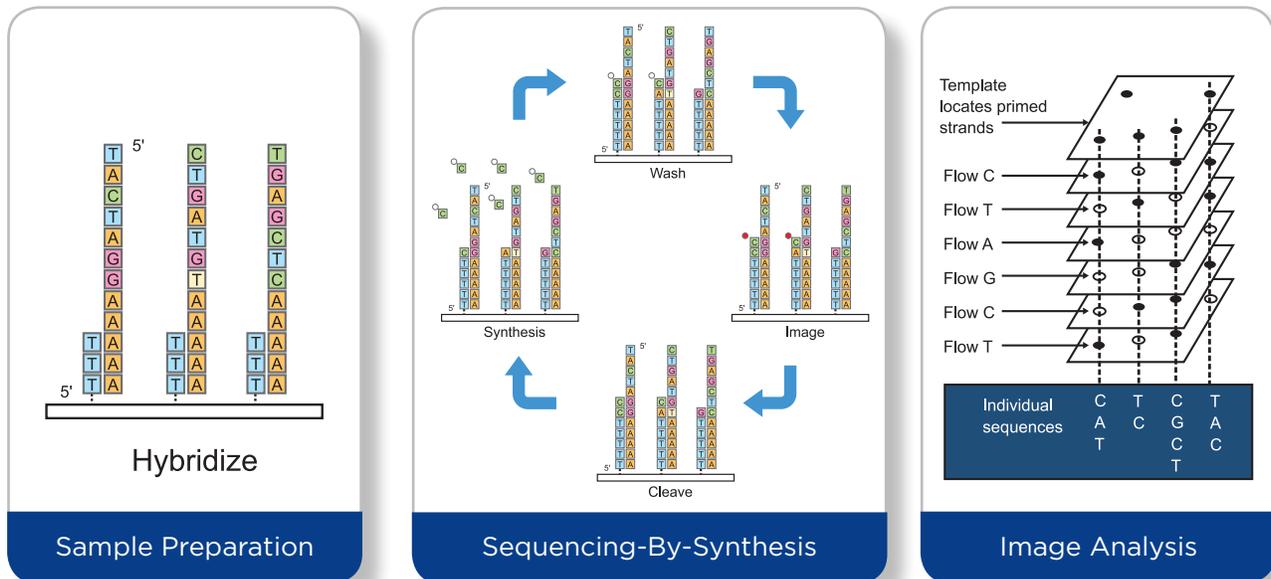
- **Assay Development**
- **Prototype Systems**
- **Sequencing Services**
- **Custom Bioinformatics**
- **tSMS Consulting**
- **Custom Projects**

Collaborations

Collaborate with SeqLL as a strategic partner to access the tSMS technology and expertise at greater depths to develop your custom applications such as custom diagnostics and therapeutics assays, biomarker discovery, and custom system integration.

Our Technology

TRUE SINGLE MOLECULE SEQUENCING (tSMS)



- **Accurate Quantitation** (Bias-free detection at single molecule resolution)
- **High Sensitivity** (Discovers low expressed material missed by other methods)
- **Simple Sample Prep** (No library prep and minimal steps reduces sample bias)
- **Flexibility** (Enables wide range of throughput and challenging applications)

About **SeqLL**

Founded in 2013, **SeqLL** offers the tSMSNGS platform to assist researchers worldwide to develop research, diagnostics and therapeutics applications. The benefits of the unparalleled sensitivity and quantitation accuracy of the tSMS platform is demonstrated in multiple peer reviewed scientific publications. With multiple years of experience with tSMS technology and deep expertise, **SeqLL** team helps the researchers to access the unique advantages of the tSMS technology through sequencing instrumentation, services, grant support, and collaborations.

SeqLL is located in Woburn MA, just minutes away from Boston and Cambridge. **SeqLL** facility houses the sequencing laboratory, data center, R&D facility, instrument and reagent manufacturing facility, and corporate offices under one roof. The closely integrated nature of the team and program enables seamless execution of the customer projects.



For Further Information contact us at:



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