



RNA interference

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*Not every siRNA can effectively down regulate a gene. The process of RNA interference varies by individual siRNA while some do not exhibit any interference at all.



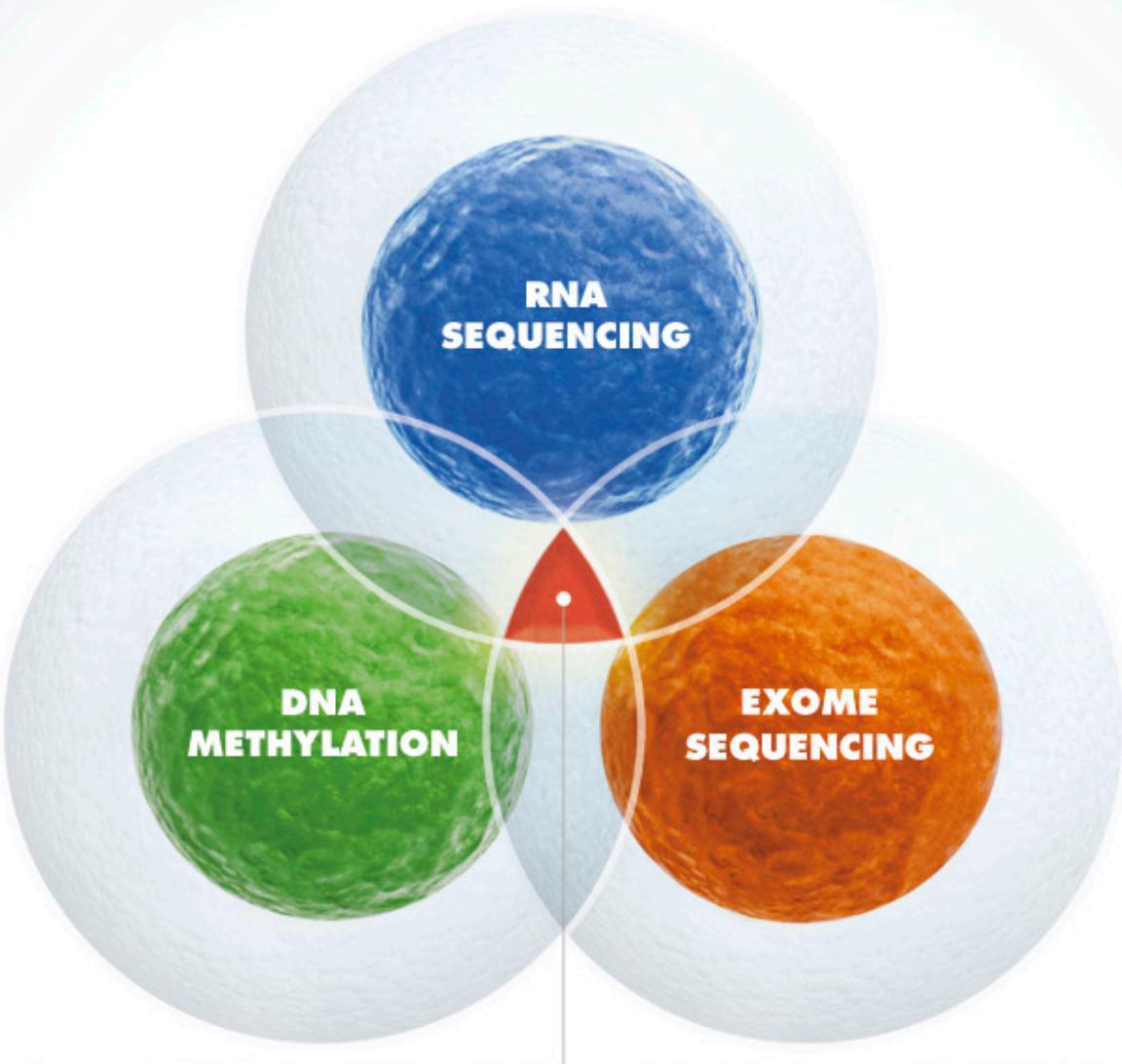
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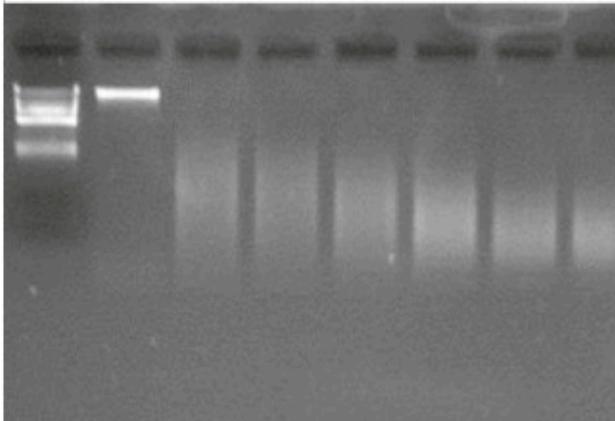
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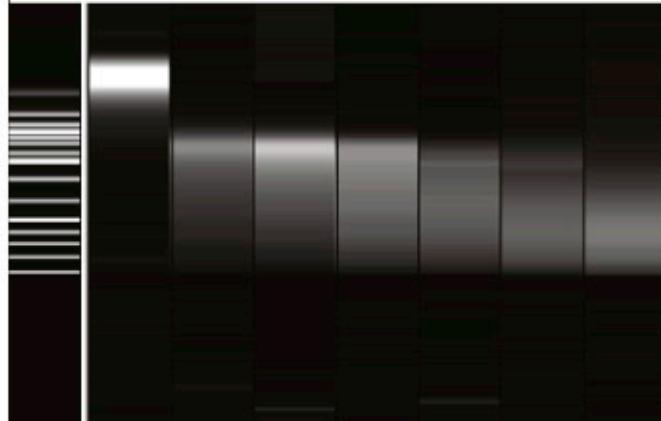
The Fragment Analyzer™ Automated CE System

The Past



Human genomic DNA. Traditional manual agarose slab gel shows intact gDNA in the second lane. Gel images in remaining lanes show varying levels of gDNA degradation.

The Future



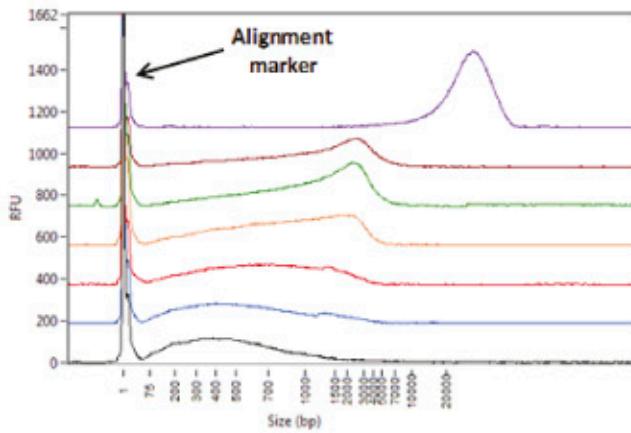
Same sample of human gDNA, identical results.

BELOW: Raw data is captured by automated capillary electrophoresis system, as seen in electropherogram overlay. >20,000 bp peak indicates intact gDNA on the upper-most trace.

ABOVE: Data can then be processed and presented in a variety of ways, such as this digital gel image.

Fragment Analyzer™ Benefits

- ◆ No more pouring gels. Automated simultaneous analysis of 12 or 96 samples.
- ◆ Higher sensitivity than agarose gels. Use small amounts of gDNA samples. (0.1 ng)
- ◆ Ultra fast lower marker (set to 1 bp) migrates faster than degraded gDNA for superior quality and quantity assessment.
- ◆ Good sizing capability to differentiate degraded, partially degraded or intact gDNA.
- ◆ See RNA contamination in gDNA extractions.



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USA

Antonio J. Giraldez
Yale University, USA

Eric Olson
UT Southwestern Medical Center,
USA

David C. Baulcombe
University of Cambridge,
United Kingdom

Shiv Grewal
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Ingrid Grummt
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Germany

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ABSTRACT SUBMISSION
DEADLINE

18 JULY 2013

REGISTRATION DEADLINE

22 AUGUST 2013

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Additional speakers will be
selected from abstracts.

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