

Resource Summary Report

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[READNA](#)

RRID:SCR_003884

Type: Tool

Proper Citation

READNA (RRID:SCR_003884)

Resource Information

URL: <http://www.cng.fr/READNA/>

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Description: Consortium to accelerate new breakthrough DNA sequencing technologies and methods to enhance existing analysis methods. The ultimate aim is to advance DNA sequencing technologies to a level where a human genome can be analyzed at high resolution for less than 1000 euros in less than one day. The goals of the consortium are to revolutionize nucleic acid analysis methods by improving elements necessary to use the currently emerging generation of nucleic acid sequencers in a meaningful and accessible way, providing methods that allow in situ nucleic acid analysis and methods capable of selectively characterizing mutant DNA in a high background of wildtype DNA, combining RNA and DNA analysis in a single analytical device, providing technology to efficiently analyze DNA methylation (genome-wide, with high resolution and in its long-range context), implementing novel concepts for high-throughput HLA-screening, developing fully integrated solutions for mutational screening of small target regions (such as for screening newborns for cystic fibrosis mutations), developing a device for screening multiple target regions with high accuracy and implementing strategies for effective and high-resolution genotyping of copy number variations. READNA was awarded the Stars of Europe prize in December 2013.

Abbreviations: READNA

Synonyms: REvolutionary Approaches and Devices for Nucleic Acid analysis, READNA - REvolutionary Approaches and Devices for Nucleic Acid analysis

Resource Type: consortium, data or information resource, organization portal, portal

Keywords: device, dna sequencing, dna, sequencing, tool development, product development, device development, nucleic acid

Funding: European Union FP7

Resource Name: READNA

Resource ID: SCR_003884

Alternate IDs: nlx_158213

Record Creation Time: 20220129T080221+0000

Record Last Update: 20260905T132510+0000

Ratings and Alerts

No rating or validation information has been found for READNA.

No alerts have been found for READNA.

Data and Source Information

Source: [SciCrunch Registry](#)

Usage and Citation Metrics

We found 1 mentions in open access literature.

Listed below are recent publications. The full list is available at [RRID](#) .

Ansorge WJ, et al. (2009) Next-generation DNA sequencing techniques. New biotechnology, 25(4), 195.