

Resource Summary Report

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Oxford Nanopore Technologies

RRID:SCR_003756

Type: Tool

Proper Citation

Oxford Nanopore Technologies (RRID:SCR_003756)

Resource Information

URL: <https://www.nanoporetech.com/>

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Description: Commercial organization developing a disruptive, proprietary technology platform for the direct, electronic analysis of single molecules. The instruments GridION and MinION are adaptable for the analysis of DNA, RNA, proteins, small molecules and other types of molecule. Consequently, the platform has a broad range of potential applications, including scientific research, personalized medicine, crop science and security / defence.

Abbreviations: Oxford Nanopore

Synonyms: Oxford Nanopore Technologies Ltd

Resource Type: commercial organization

Keywords: nanopore technology, dna, rna, protein, small molecule, molecule, analysis, nanopore, nanopore sensing

Funding:

Resource Name: Oxford Nanopore Technologies

Resource ID: SCR_003756

Alternate IDs: nlx_158233

Record Creation Time: 20220129T080220+0000

Record Last Update: 20250420T014151+0000

Ratings and Alerts

No rating or validation information has been found for Oxford Nanopore Technologies.

No alerts have been found for Oxford Nanopore Technologies.

Data and Source Information

Source: [SciCrunch Registry](#)

Usage and Citation Metrics

We found 349 mentions in open access literature.

Listed below are recent publications. The full list is available at [FDI Lab - SciCrunch.org](#).

Mears HV, et al. (2025) Emergence of SARS-CoV-2 subgenomic RNAs that enhance viral fitness and immune evasion. *PLoS biology*, 23(1), e3002982.

Baeza JA, et al. (2025) Assembly of Mitochondrial Genomes Using Nanopore Long-Read Technology in Three Sea Chubs (Teleostei: Kyphosidae). *Molecular ecology resources*, 25(1), e14034.

Priyono DS, et al. (2025) The first complete mitochondrial genome of Sumatran striped rabbit *Nesolagus netscheri* (Schlegel, 1880), and its phylogenetic relationship with other Leporidae. *Scientific reports*, 15(1), 2002.

Hemara LM, et al. (2025) Identification and Characterization of Innate Immunity in *Actinidia melanandra* in Response to *Pseudomonas syringae* pv. *actinidiae*. *Plant, cell & environment*, 48(2), 1037.

Di Martino B, et al. (2025) Detection and Genomic Characterization of Novel Mammarenavirus in European Hedgehogs, Italy. *Emerging infectious diseases*, 31(1), 155.

Perslow NG, et al. (2025) The virulence regulator *bvgS* is required for nutrient-induced filamentation in *Bordetella avium*. *bioRxiv : the preprint server for biology*.

Xu D, et al. (2025) Comparative analysis of mitochondrial genomes of *Stemona tuberosa* Lour. reveals heterogeneity in structure, synteny, intercellular gene transfer, and RNA editing. *BMC plant biology*, 25(1), 23.

Ripoll L, et al. (2025) Insect-specific RNA viruses detection in Field-Caught *Aedes aegypti* mosquitoes from Argentina using NGS technology. *PLoS neglected tropical diseases*, 19(1), e0012792.

Miller D, et al. (2025) Pooled PPIseq: Screening the SARS-CoV-2 and human interface with a scalable multiplexed protein-protein interaction assay platform. *PloS one*, 20(1), e0299440.

Monecke S, et al. (2025) Characterisation of *Staphylococcus aureus* Strains and Their Prophages That Carry Horse-Specific Leukocidin Genes lukP/Q. *Toxins*, 17(1).

Wang CW, et al. (2024) A Revised Molecular Model of Ovarian Cancer Biomarker CA125 (MUC16) Enabled by Long-read Sequencing. *Cancer research communications*, 4(1), 253.

Ferguson S, et al. (2024) Exploring the role of polymorphic interspecies structural variants in reproductive isolation and adaptive divergence in *Eucalyptus*. *GigaScience*, 13.

Gardner C, et al. (2024) Chromosome-level Subgenome-aware de novo Assembly of *Saccharomyces bayanus* Provides Insight into Genome Divergence after Hybridization. *bioRxiv : the preprint server for biology*.

Duker EO, et al. (2024) First Molecular Detection of SARS-CoV-2 in Sewage and Wastewater in Ghana. *BioMed research international*, 2024, 9975781.

Klein JA, et al. (2024) Pathogenic diversification of the gut commensal *Providencia alcalifaciens* via acquisition of a second type III secretion system. *Infection and immunity*, 92(10), e0031424.

Jayadas TTP, et al. (2024) Genomic Surveillance and Evolutionary Dynamics of Influenza A Virus in Sri Lanka. *medRxiv : the preprint server for health sciences*.

Schoelmerich MC, et al. (2024) Borg extrachromosomal elements of methane-oxidizing archaea have conserved and expressed genetic repertoires. *Nature communications*, 15(1), 5414.

Basu A, et al. (2024) Determinants of raffinose family oligosaccharide use in *Bacteroides* species. *bioRxiv : the preprint server for biology*.

Grochowski CM, et al. (2024) Inverted triplications formed by iterative template switches generate structural variant diversity at genomic disorder loci. *Cell genomics*, 4(7), 100590.

Sun J, et al. (2024) Correcting PCR amplification errors in unique molecular identifiers to generate accurate numbers of sequencing molecules. *Nature methods*, 21(3), 401.