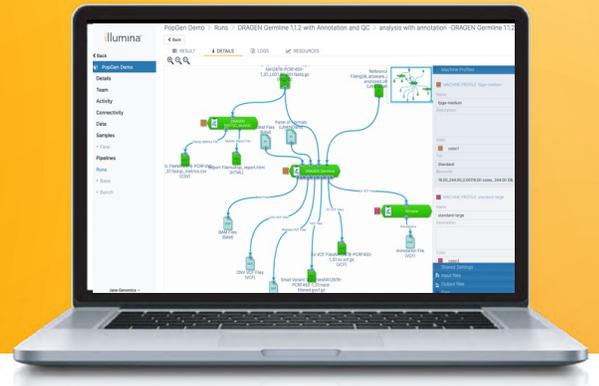




# Connected Analytics

A secure and flexible bioinformatics platform to drive scientific insights



## Transform your organization's bioinformatics operations

Illumina Connected Analytics accelerates the process of developing new informatics workflows, scaling up internal infrastructure, and maintaining a secure data management environment to handle the increasing volume of genomic data.

Operationalize your bioinformatics efficiently with Illumina Connected Analytics.

### Connected



Directly stream your data from Illumina sequencers and auto launch customizable and out of the box secondary analysis pipelines



Integrated with Illumina Connected Software for Lab management and run planning to analysis and interpretation

### Scalable



Parallel process multiple samples with on-demand compute orchestration



Scale omics projects with a large data warehouse and study design with Connected Analytics Cohorts

### Flexible



Leverage award-winning secondary analysis<sup>1</sup> with out of the box DRAGEN pipelines



Import, build and edit pipelines with tools like CWL and Nextflow



"Illumina Connected Analytics has tremendously improved our turnaround time, **around 10x**, which in turn, **reduces the associates amount of time** required per sample. We have gone from analyzing **36 samples per day** to **360 samples per day**."

- Rohita Sinha, Director Center of Excellence for Bioinformatics & AI at Eurofins - Viracor

## Build and deploy workflows with flexible and modular components

### Illumina Connected Analytics



#### Flow

Execute DRAGEN pipelines or build and run custom workflows



#### Bench

Collaborative notebook for running R Shiny apps, scripts & making CLI/API calls



#### Base

Organize & query structured multiomic datasets



#### Cohorts

Add-on study design tool to rapidly build and explore molecular and clinical data



**Secure data management and access control**

1. Precision FDA Truth Challenge V2: Calling Variants from Short and Long Reads in Difficult-to-Map Regions and Precision FDA NCTR Indel Calling Oncopanel Sequencing data

## Rapidly build and explore molecular and clinical data

Cohorts, and add-on module in Connected Analytics accelerates the path from genomic discovery to meaningful studies by enabling better study design. With an integrated Cohorts Browser, out of the box summary statistics and charts, and integration with downstream analysis tools, Cohorts enables you build studies in minutes rather than weeks.



"Our leading-edge science depends on the ability to process vast amounts of data into meaningful and interpretable segments, and we believe there is no better tool to support us in this than Illumina Connected Analytics."

- Sara Barrington, CEO, Verici Dx

## Secure and compliant data environment

Protecting the privacy of genomic data is a foundational principle of our business. Connected Analytics implements extensive security, privacy, and compliance measures to ensure data is safeguarded and provides a trusted environment for reliable informatics operations and global collaboration.



Extensive and secure global framework



ISO 27001 certified information security management system  
ISO 27701 certified privacy information management system



Compliant with the principles of GDPR



Support for HIPAA compliance

Operationalize informatics and drive scientific insights with Connected Analytics

Learn more at [www.illumina.com/ConnectedAnalytics](http://www.illumina.com/ConnectedAnalytics)

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