

# GENOMICS APPLICATIONS PLATFORM



**GENESTACK**

[www.genestack.com](http://www.genestack.com)

# GENESTACK PLATFORM

OBJECTIVE

universal genomics  
applications platform

REASON

existing tool integration  
& new tool development

APPROACH

provide full set of  
building blocks

# GENESTACK PLATFORM

Sharing

Public data

Security

Applications



HPC

Private data

# GENESTACK PLATFORM

DATA

private & secure  
sharing

free public data

format-independent

custom data types



# GENESTACK PLATFORM



efficient computation  
unified user interface  
scriptable  
trusted  
application SDK

APPLICATIONS

General Contributor Publication Technology

Release date: 2011.01.19  
 Array Express Accession: E-Geod-17892  
 Geo Accession: GSE194293  
 Experiment type:   
 Experiment design:   
 Experimental Platform:   
 Researchers with a single line of data, or the commercial life science research organizations, DNAnexus can give you the tools for your work, and the ability to flip your research instantly in the cloud. Get started immediately without any cost for configuration.

Create new metaexperiment

DATE CR	TYPE	OWNER	SIZE
2011-01-11	GS	GS	12 TB
2011-01-11	GS	GS	12 TB
2011-01-11	GS	GS	12 TB
2011-01-11	GS	GS	12 TB
2011-01-11	GS	GS	12 TB
2011-01-11	GS	GS	12 TB
2011-01-11	GS	GS	12 TB
2011-01-11	GS	GS	12 TB
2011-01-11	GS	GS	12 TB

## ADMINISTRATION

**Diagnostics, Inc**

Here you can manage your organization and group you can manage your organization and group

Melanoma short-term cultures and cell lines. Melanoma short-term cultures and cell lines: expression profiling and CNV analyses  
 expression profiling and CNV analyses Melanoma short-term cultures and cell lines:  
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Contacts and other information

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Simon Someone	misha@genestack.com + 420 334 65 565 45
Simon Someone	misha@genestack.com + 420 334 65 565 45

GROUPS PEOPLE

ADMINISTRATORS

You can create and administrate group to share data Here you can manage your organization and group you can manage your organization and group You can create

- Misha Kapushevsky  
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Chief Executive Officer and Founder at Genestack
- Taalai Djumabaev  
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Chief Executive Officer and Founder at Genestack
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USERS

CREATE USERS

You can create organization

E-mail  
Username  
Password  
See characters  
Access: Admin User  
More users  
Submit

- Misha Kapushevsky  
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Chief Executive Officer and Founder at Genestack
- Taalai Djumabaev  
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- Misha Kapushevsky  
misha@genestack.com

METAEXPERIMENTS

HEATMAP VIEW

Change settings  
Remove application  
Maximize application  
Minimize application

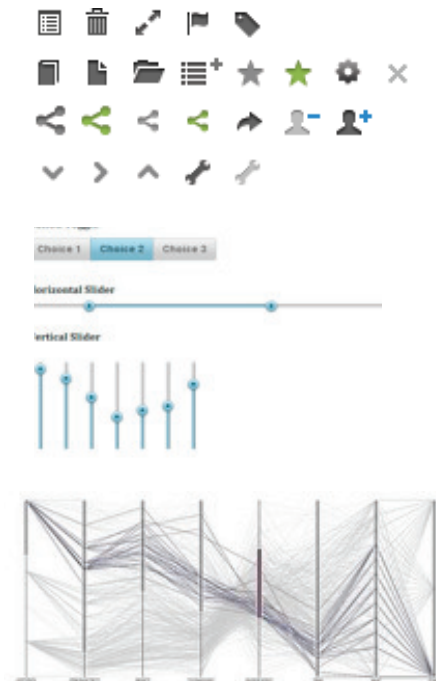
# GENESTACK PLATFORM

## FOR DEVELOPERS

SDK & tooling

Data and applications store

Security audit/testing



# GENESTACK SERVICE

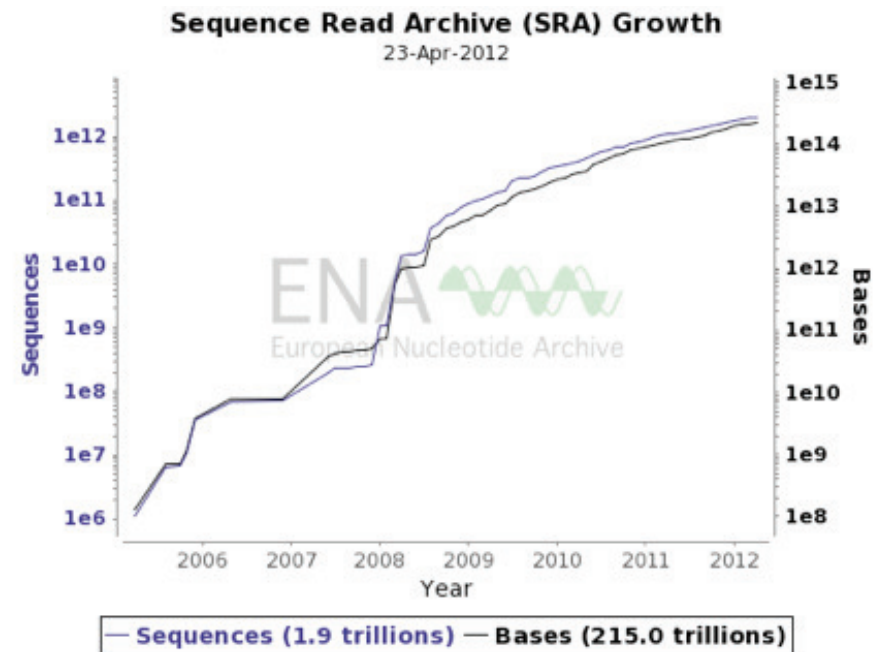
## PUBLIC DATA

Meta-curation

Quality control

NGS tools

Free access





# GENESTACK SERVICE

## END-TO-END SEQUENCING



NGS service partners

Data direct to cloud

Curation and apps

# GENESTACK SERVICE

## CLOUD DEPLOYMENT

Cost-effective, secure

Offsite backup

Long term archival





Scientist

No need for duplicate internal services

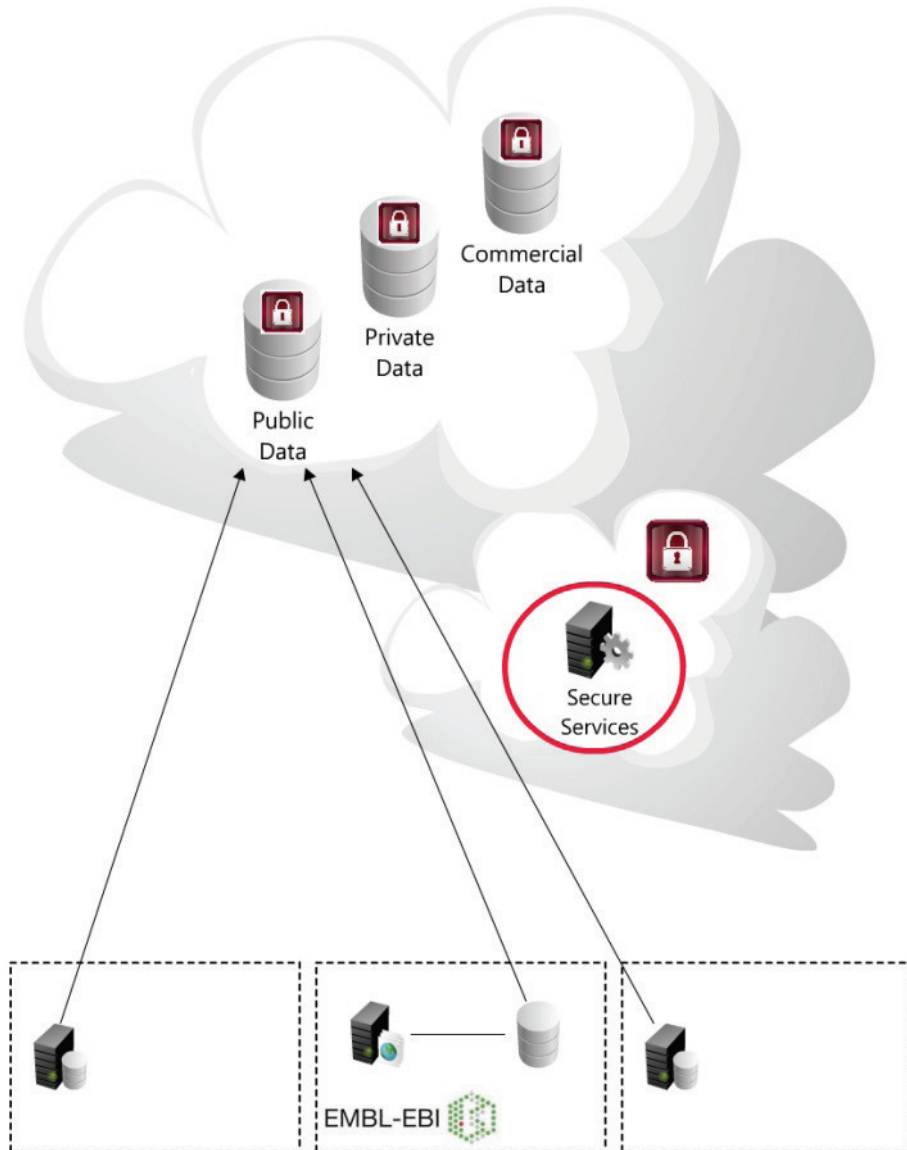
FireWall

Scientist

FireWall

Scientist

Scientist



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## GENOMICS OPERATING SYSTEM

Universal genomics data platform. Secure hosting and team sharing of Big Data genomics experiments. Bioinformatics applications ecosystem in the cloud. Free access to curated genomic data from public repositories. Data curation and application development. End-to-end sequencing service. Applications SDK & marketplace. Fixed monthly subscription.

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Twitter @genestackltd

**Launch fall 2012. Want to take part in our early access programme?**