

InSyBio Suite - First Steps

October 2025

Insybio Suite v4.0



InSyBio
Intelligent Systems Biology

User Manual

www.insybio.com

Welcome to Insybio Suite

InSyBio Suite is an integrated platform providing tools for biological data management, secured storage and analysis based on the Cloud model of Software as a Service (SaaS).

Its present version consists of seven basic modules:

- **Interact:** a module offering preprocessing and analysis options for proteomics and interactomics biological data.
- **ncRNAseq:** a module for the analysis of RNA-Seq data and non-coding RNA molecules.
- **BioNets:** a module which enables the application of data mining techniques on gene expression datasets and biological networks.
- **Biomarkers:** a tool for the identification of biomarkers from single and multi-omics datasets combining statistics and machine learning.
- **DNA-Seq:** a tool which enables the fast and accurate pre-processing and analysis of DNA-sequencing data by non-bioinformatics experts with optimized pipelines.
- **Pipelines:** a tool that takes as input a dataset file and after performing statistical and network analytics, it uses the dataset to train a machine learning model identifying at the same time the optimal biomarkers for the trained model.
- **Data Store:** a set of tools for storing and managing biological datasets.

InSyBio Suite is offered by InSyBio LTD and incorporates in its analysis a variety of novel published computational intelligent techniques plus a new method for the functional characterization of proteins.

We will be thankful if you try out InSyBio Suite and provide us your feedback in support@insybio.com.

In the following, the signing up and the logging in procedures are described, as well as the basic functionalities of InSyBio Suite.

Logging in

In the login page you have to enter your email and your password and press the “Login” button.

InSyBio | Intelligent Systems Biology

Log In

[Forgot your password?](#)

InSyBio Suite delivers over Internet high-performance, user-friendly and installation free tools to biology researchers with minimum knowledge of software usage.

[Learn more about InSyBio](#)

[Want to take the InSyBio Suite for a test-drive?](#)

Sign up for a free 30 day evaluation

Fully functional
Use your own datasets
Requires Verification (1-2 business days)

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In case you have forgotten your password, you can click the respective link. In the page you will be redirected to, you have to enter your email and your password will be sent to you.

Password Reminder

Your e-mail *

Submit

[Go to login form](#)

By clicking the “Learn more about InSyBio” there is an overview about the tools that InSyBio Suite delivers and the corresponding manuals.

Welcome to InSyBio Suite

InSyBio Suite delivers over Internet high-performance, user-friendly and installation free tools to biology researchers with minimum knowledge of software usage. It is based on a series of patented or in the process of getting a patent pipelines, algorithms and tools that have been recognized and awarded by the academic community. Using InSyBio Suite, biology researchers can save time and a significant amount of money while reassuring high performance and robustness in their data analysis.

The current version of InSyBio Suite includes the following tools:

 [InSyBio Suite - First Steps Manual](#)



InSyBio Interact

A tool offering preprocessing and analysis options for proteomics and interactomics biological data and prediction of protein interactions.

 [InSyBio Interact Manual](#)



InSyBio ncRNAseq

A tool for the analysis of non-coding RNA molecules and extraction of biomarkers from them.

 [InSyBio ncRNASeq Manual](#)



InSyBio BioNets

A tool which enables the application of data mining techniques on biological networks and the analysis of transcriptomics datasets for biomarker discovery.

 [InSyBio BioNets Manual](#)



InSyBio Biomarkers

A tool for the identification of biomarkers from single and multi-omics datasets combining statistics and machine learning.

 [InSyBio Biomarkers Manual](#)



InSyBio DNaseq

A tool which enables the fast and accurate pre-processing and analysis of DNA-sequencing data by non-bioinformatics experts with optimized pipelines.

 [InSyBio DNaseq Manual](#)



InSyBio Pipelines

A tool that takes as input a dataset file and after performing statistical and network analytics, it uses the dataset to train a machine learning model identifying at the same time the optimal biomarkers for the trained model.

 [InSyBio Pipelines Manual](#)



InSyBio Data Store

A set of tools for storing and managing biological datasets.

 [InSyBio Data Store Manual](#)

Corresponding version: 2.7, Date: March 2022.

For more details about InSyBio's services and for downloading the latest white papers of InSyBio tools please visit www.insybio.com |

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InSyBio Suite Graphical Environment

Upper toolbar

In the upper toolbar of InSyBio Suite, pressing on your username you can update your profile, change your password, go to the settings page or logout from the account.

The screenshot displays the InSyBio Suite graphical environment. The top toolbar includes the InSyBio Suite logo, a hamburger menu, a cloud icon, a notification bell, the user name 'InSyBio Beta User', and a help icon. A dropdown menu is open under the user name, showing options for Profile, Settings, and Log out. The main content area is divided into several panels:

- ncRNASeq Jobs:**
 - ID 82: RNA-Seq Differential Expression Pipeline (Error)
 - ID 85: RNA-Seq Differential Expression Pipeline (Running)
 - ID 84: RNA-Seq Differential Expression Pipeline (Error)
 - ID 83: RNA-Seq Differential Expression Pipeline (Error)
 - ID 12: miRNA Target Site Features Calculation (Completed)
 - RNA-Seq Pipeline button
- Interact Jobs:**
 - ID 35: Enrichment Analysis (Completed)
 - ID 68: Network Creation (Error)
 - ID 34: Enrichment Analysis (Error)
 - ID 67: Network Creation (Error)
 - ID 33: Enrichment Analysis (Completed)
 - Enrichment Analysis button
- DNaseq Pipeline Jobs:**
 - ID 19: DNA-Seq Pipeline (Completed)
 - ID 18: DNA-Seq Pipeline (Completed)
 - ID 17: DNA-Seq Pipeline (Completed)
 - ID 16: DNA-Seq Pipeline (Completed)
 - ID 15: DNA-Seq Pipeline (Completed)
 - DNA-Seq Pipeline button
- Biomarkers Jobs:**
 - ID 59: Dataset Preprocessing (Error)
 - ID 55: Training Multi-biomarker Predictive Analytics Model (Pending)
- Bionets Jobs:**
 - ID 48: Combine Networks (Completed)
- InSyBio Suite Manuals:**
 - First Steps
 - Interact
 - ncRNASeq
 - BioNets
 - Biomarkers
 - DNaseq
 - Pipelines
 - Data Store

When updating your profile you can change your full name, address, organization and country. You cannot change your email though you can manage your email notifications.

InSyBio Suite - User Profile

InSyBio Beta User

User Profile

Fields with * are required.

Email* info@insybio.com
You cannot change your e-mail.

Name* InSyBio Beta User
Please fill your full name.

Address

Organization* InSyBio Ltd.
Please fill your organization and department.

Country* United Kingdom

Manage your e-mail notifications

Receive InSyBio Suite news by e-mail ☒

Receive Notification e-mail when your profile changes ☒

Receive Notification e-mail when your password changes ☒

Submit

When changing your password, you have to provide your old password and type twice your new password.

InSyBio Suite - Password change

InSyBio Beta User

Password change

Fields with * are required.

Old password*

Type your password.

Set new password

New Password*

The password's length must be bigger than six characters/symbols.

Re-type password*

Submit

Left menu

In the left menu of InSyBio Suite you can select the tool you would like to use. Tools user manuals can be found on the landing page.

The screenshot displays the InSyBio Suite dashboard. The top navigation bar includes the InSyBio Suite logo, a user profile dropdown for 'InSyBio Beta User', and a help icon. The main content area is divided into several sections:

- RNA-Seq Pipelines:** A list of pipelines with their IDs and status. ID 84 (RNA-Seq Differential Expression Pipeline) and ID 83 (RNA-Seq Differential Expression Pipeline) are marked as 'Error'. ID 12 (miRNA Target Site Features Calculation) is marked as 'Completed'. A blue button labeled 'RNA-Seq Pipeline' is located below the list.
- Bionets Jobs:** A list of pipelines with their IDs and status. ID 48 (Combine Networks), ID 47 (Biological Network Analysis), ID 46 (Combine Networks), ID 45 (Biological Network Clustering), and ID 44 (Biological Network Clustering) are all marked as 'Completed'. A blue button labeled 'Bionets' is located below the list.
- Enrichment Analysis:** A section with a blue button labeled 'Enrichment Analysis'.
- Biomarkers Jobs:** A list of pipelines with their IDs and status. ID 59 (Dataset Preprocessing) is marked as 'Error'. ID 55 (Training Multi-biomarker Predictive Analytics Model) is marked as 'Pending'. ID 54 (Biomarkers Dataset Statistical Analysis) and ID 53 (Biomarkers Dataset Statistical Analysis) are marked as 'Completed'. A blue button labeled 'Biomarkers' is located below the list.
- DNA-Seq Pipelines:** A list of pipelines with their IDs and status. ID 16 (DNA-Seq Pipeline) and ID 15 (DNA-Seq Pipeline) are both marked as 'Completed'. A blue button labeled 'DNA-Seq Pipeline' is located below the list.
- InSyBio Suite Manuals:** A section highlighted with a red border, containing a grid of icons for various manuals: First Steps, Interact, ncRNASeq, BioNets, Biomarkers, DNaseq, Pipelines, and Data Store.
- InSyBio Suite White papers:** A section containing icons for ncRNASeq, RNA-Seq Pipeline, and BioNets.

At the bottom of the dashboard, there is a footer section with the following text:

Corresponding version: 2.7, Date: March 2022

For more details about InSyBio's services and for downloading the latest white papers of InSyBio tools please visit www.insybio.com.

For some tools, you can find their subtools pressing the respective arrow.

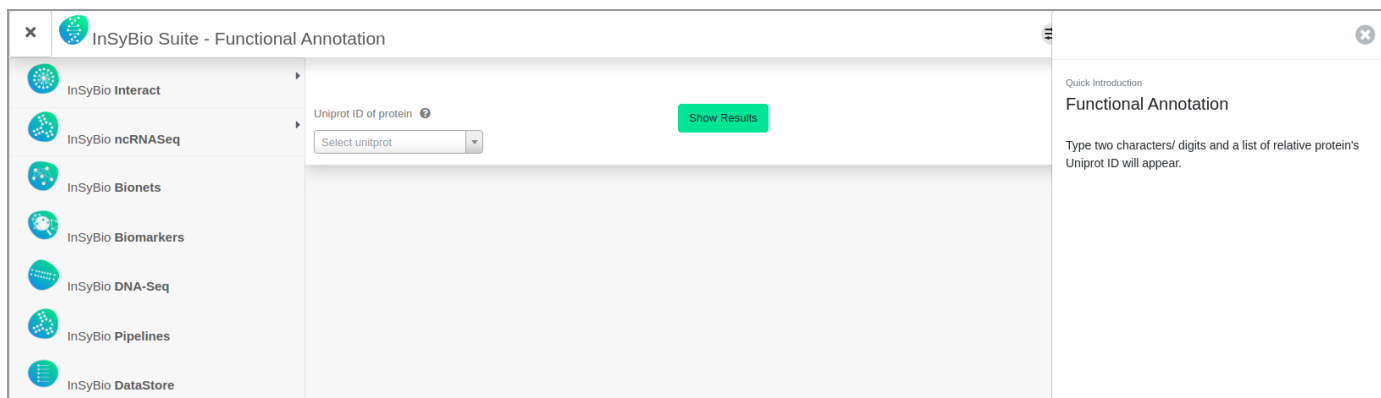
The screenshot shows the InSyBio Suite interface. The sidebar on the left contains several menu items, with 'InSyBio Interact' and 'Intracellular Interactions Analysis' highlighted with red boxes. The main panel features a teal header with the text 'Welcome to InSyBio Suite'. Below the header, there are several job status cards organized into columns:

- ncRNASeq Jobs:**
 - ID 82 RNA-Seq Differential Expression Pipeline: Error
 - ID 85 RNA-Seq Differential Expression Pipeline: Running
 - ID 84 RNA-Seq Differential Expression Pipeline: Error
 - ID 83 RNA-Seq Differential Expression Pipeline: Error
 - ID 12 miRNA Target Site Features Calculation: Completed
- Interact Jobs:**
 - ID 35 Enrichment Analysis: Completed
 - ID 68 Network Creation: Error
 - ID 34 Enrichment Analysis: Error
 - ID 67 Network Creation: Error
 - ID 33 Enrichment Analysis: Completed
- DNASeq Pipeline Jobs:**
 - ID 19 DNA-Seq Pipeline: Completed
 - ID 18 DNA-Seq Pipeline: Completed
 - ID 17 DNA-Seq Pipeline: Completed
 - ID 16 DNA-Seq Pipeline: Completed
 - ID 15 DNA-Seq Pipeline: Completed
- Biomarkers Jobs:**
 - ID 59 Dataset Preprocessing: Error
 - ID 55 Training Multi-biomarker Predictive Analytics Model: Pending

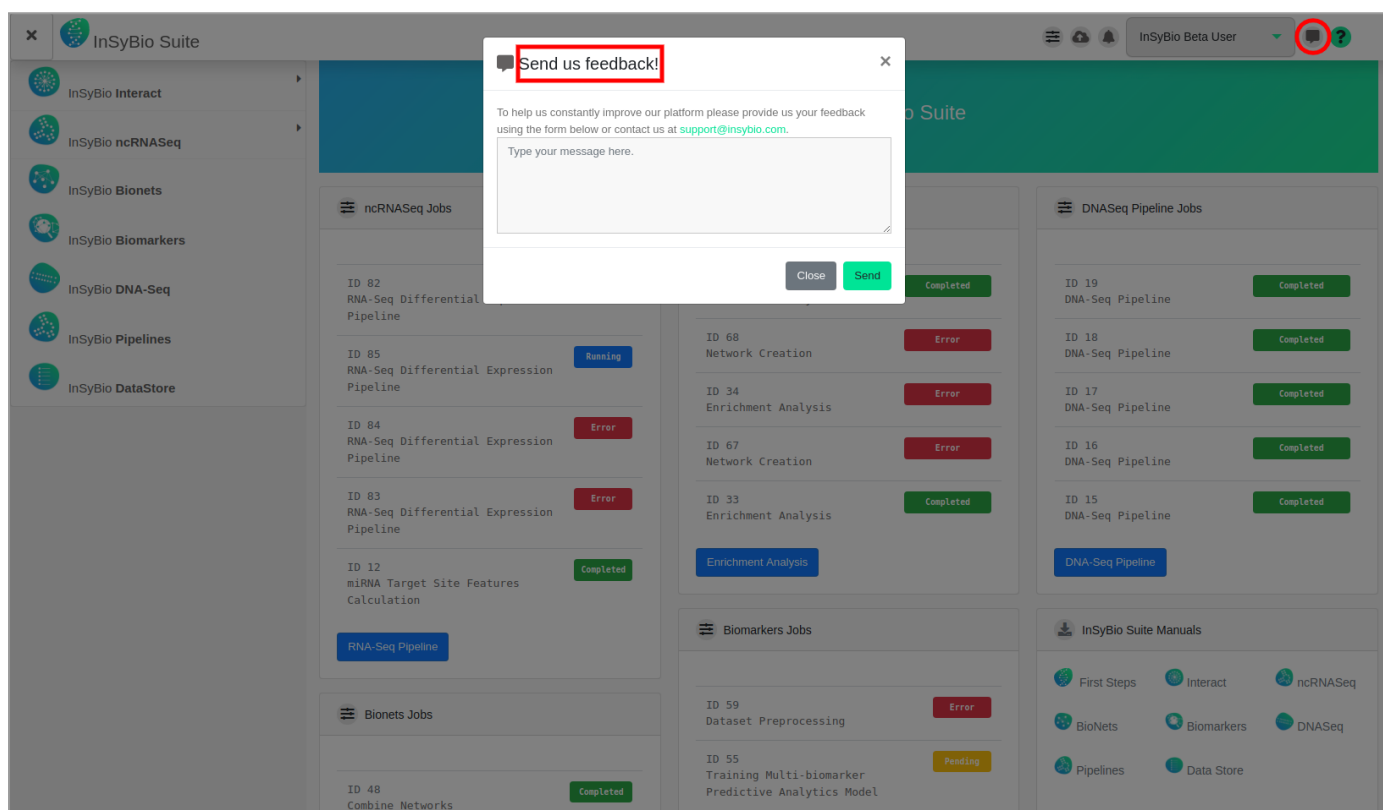
At the bottom right, there is a section for 'InSyBio Suite Manuals' with links to 'First Steps', 'Interact', 'ncRNASeq', 'BioNets', 'Biomarkers', 'DNASeq', 'Pipelines', and 'Data Store'.

When inside a tool, help is provided through the upper right help button.

The screenshot shows the 'InSyBio Suite - Functional Annotation' interface. The sidebar on the left lists several tools: 'InSyBio Interact', 'InSyBio ncRNASeq', 'InSyBio Bionets', 'InSyBio Biomarkers', 'InSyBio DNA-Seq', 'InSyBio Pipelines', and 'InSyBio DataStore'. The main panel contains a form with the label 'Uniprot ID of protein' and a dropdown menu labeled 'Select uniprot'. A green 'Show Results' button is positioned to the right of the form. In the top right corner, there is a 'Help' button with a question mark icon, which is circled in red.



On the upper right of the toolbar, there is also a feedback button. Clicking on the feedback button, a message asks you to provide your feedback at support@insybio.com.



Cloud computing Infrastructurer and Security Certifications

InSyBio Suite and all its tools are running over the cloud computing as a service infrastructure of Vultr (<https://www.vultr.com>), at the Amsterdam (Netherlands) facilities, offering the following security attestations and certifications (SOC 2+ (HIPAA), PCI (Merchant), CSA Star Level 1, ISO/IEC 20000-1:2018, ISO/IEC 27001:2022, ISO/IEC 27017:2015, ISO/IEC 27018:2019).

How to get InSyBio Interact

To request a free one month license of InSyBio Suite please email us at info@insybio.com.

To purchase InSyBio Interact commercial version 4.0 please contact us at sales@insybio.com.

About Us

InSyBio Inc is a bioinformatics pioneer company (www.insybio.com) in personalized healthcare, that focuses on developing computational frameworks and tools for the analysis of complex life-science and biological data in order to develop

predictive integrated biomarkers (biomarkers of various categories) with increased prognostic and diagnostic aspects for the personalized Healthcare Industry.

InSyBio Suite consists of tools for providing integrated biological information from various sources, while at the same time it is empowered with robust, user-friendly and installation-free bioinformatics tools based on intelligent algorithms and methods.

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