

Bernomics User Documentation

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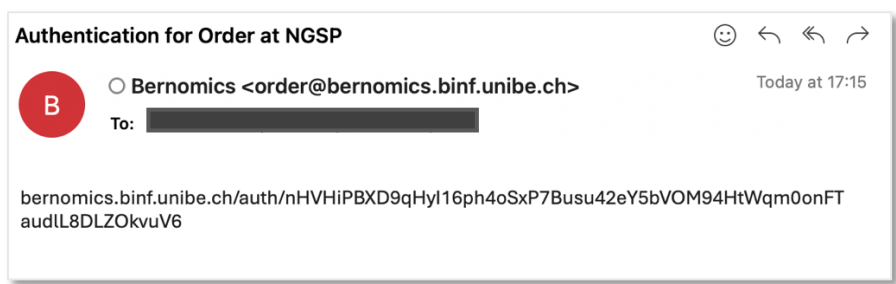
For any question regarding the use of Bernomics contact us at ngs.data.vetsuisse@unibe.ch

ACCESS & LOGIN

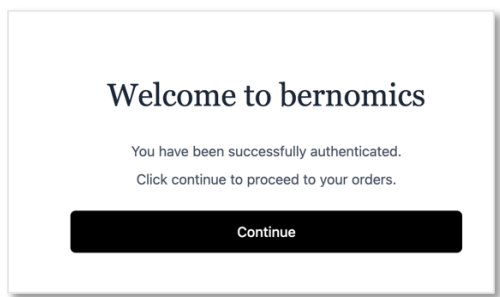
Navigate to <https://bernomics.binf.unibe.ch>

Enter your email address and click ‘Login’

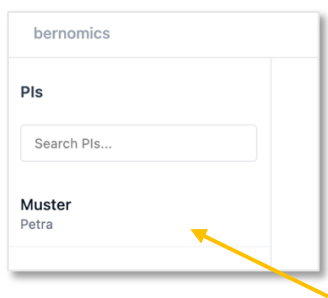
An email will be sent to you containing an authentication link (it might take a few minutes to arrive). Click on that link, or copy it to a browser



Press ‘Continue’ to sign in



You should now be able to see all groups that you are a member of. In the example below there is only one group, the Muster group.



Next you can:

- View orders and create a new one by clicking on your group name
- Manage group members

ADMINISTRATION OF GROUP MEMBERS

In Bernomics, there are three user roles with different privileges:

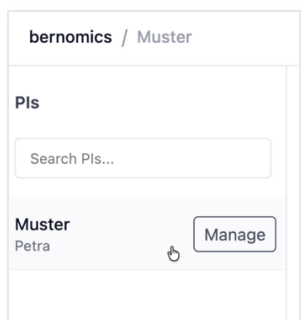
PI (Principal investigators) have full administrative permission to add and modify users in their groups. They are also the person carrying administrative responsibility.

Managers (PI delegates): managers can create orders and add members to the lab, they have the same privileges as the PI

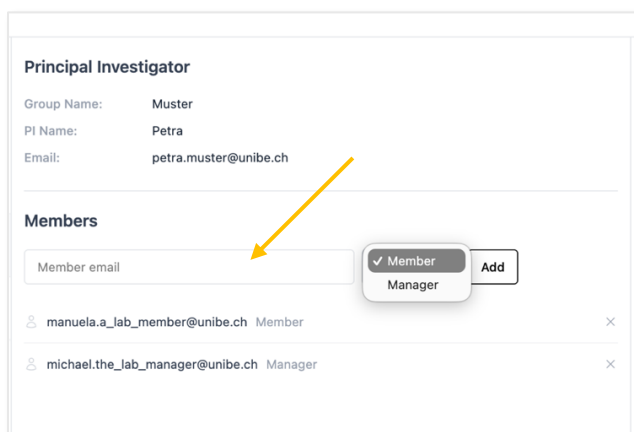
Members: Can upload sample sheets for existing orders and retrieve sequencing data or reports

Add managers and members to your group (only for PI's or manager roles)

Move your cursor to the group name and click on the 'Manage' button that appears



Add group members or managers by typing their email address in the text box. Choose the applicable role and click 'Add'. Members can be removed from the group by clicking on the 'x'



CREATE AN ORDER

An order is a request for a new sequencing experiment with the NGSP.

Click on the group you would like to create an order for. An overview of already existing orders will appear, and a new order can be created by clicking on the 'New Order' button

The screenshot shows a web interface for 'bernomics / Muster'. On the left, under 'Pls', there is a search bar 'Search Pls...' and a list of groups. The 'Muster' group is highlighted, with a yellow arrow pointing to it. On the right, under 'Orders', there is a search bar 'Search orders...' and a 'New Order' button in the top right corner, with a yellow arrow pointing to it. Below the search bar, there is a section for 'RNAseq Mus musculus' with a 'Requested' status and details: 'RNAseq of brain tissue' and '10 samples'.

Please provide a short title and a description, as well as the number of samples (if not known type 0).

The description should include the study aim, study species, type of samples (tissue, blood, environment, RNA, DNA) and if known the desired sequencing type and platform (short read, long read). If needed, we will contact you to finalize the details about your order.

The screenshot shows a 'New Order' form. It has a title field 'Order Title' with the value 'scRNAseq of chicken'. Below it is a 'Description' field with the text 'in this project we would like to study how chicken immune cells react to three different treatments'. Below the description is a 'Number of Samples' field with a dropdown menu showing '5'. At the bottom, there are two buttons: 'Create Order' and 'Cancel'. A yellow arrow points to the 'Create Order' button.

Click on 'Create Order' to submit the order and get to the order overview.

Add members to the subscribers list to enable them to get notifications connected to a specific order, e.g. status updates or release notifications. You can add subscribers by clicking on the '+' button and remove them with the 'x' button on the right side of the member email address. Subscribers can be defined for each order individually, but only members of the group can be added to the subscriber list.

Principal Investigator
Group Name: Muster
PI Name: Petra
Email: petra.muster@unibe.ch

Order Details

Requested

Title
scRNAseq of chicken

Number of Samples
1

MISO Project
[4C2B6001A9](#)

Description
in this project we would like to study how chicken immune cells react to three different treatments
[Read more](#)

Files

Upload a Sample Sheet

Upload a file such as a Sample Sheet or ready to Load Library.

Subscribers

manuela.a_lab_member@unibe.ch

×

michael.the_lab_manager@unibe.ch

×

Add members

ursula.a_lab_member@unibe.ch

+

Use the 'Upload a Sample Sheet' button to upload your sample sheet when you submit your samples.

The order status indicates the stage of your order:

Requested: your order has been received and is awaiting review by NGSP staff

Waiting on client: action from the user side is required

In the lab: NGSP lab staff are actively working on your order

Data & QC: your data is going through QC and processing with the data team

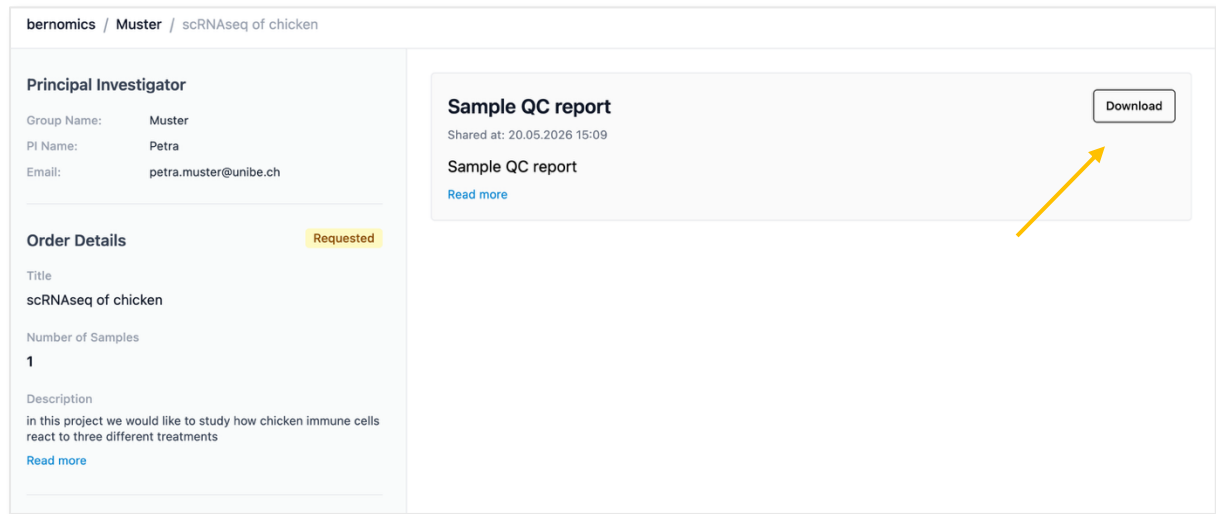
Completed: sequencing is done and data released

Paid: the project is completed and the bill has been paid

Cancelled: your order has been cancelled

DATA DOWNLOAD

Documents such as QC reports or sequencing data can be downloaded by clicking on the download button of the respective data share.



bernomics / Muster / scRNAseq of chicken

Principal Investigator

Group Name: Muster
PI Name: Petra
Email: petra.muster@unibe.ch

Order Details Requested

Title
scRNAseq of chicken

Number of Samples
1

Description
In this project we would like to study how chicken immune cells react to three different treatments
[Read more](#)

Sample QC report Download

Shared at: 20.05.2026 15:09

Sample QC report
[Read more](#)

For sequencing data command line download is highly recommended, just paste the 'wget' command in a terminal



Sequencing data Download

Shared at: 26.05.2026 15:31

This is your sequencing data, please download it as soon as possible.

```
$ wget --content-disposition https://ngsp.bioinformatics.unibe.ch/index.php/s/4BTXtYPeEDjErHe/download
```

[Read more](#)