



BioNavigator: PamChip® bioinformatics platform

Visualization
Computation
Storage
Sharing

Perform measurement different conditions. This generates many images.

- Tumor Biopsy
- Xenografts
- Cell lines

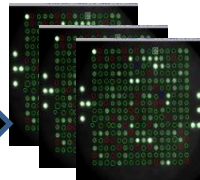


PamChips



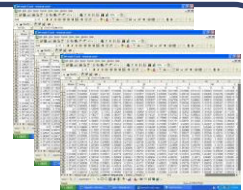
PamStation 12

Generate numbers using automated image analysis . Convert a large number of images easily to numbers.



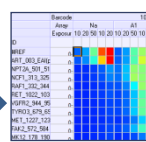
Array Images

How do you interpret

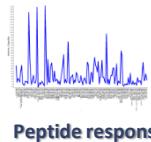


Spreadsheets

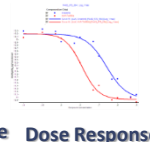
Get insight, choose from wide range of visualization options: points, bar chart, heatmap, line graphs, peptide profiles, concentration curves



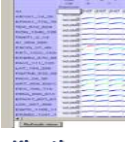
Heatmap



Peptide response Profiles



Dose Response Curves



Kinetic curves

Perform powerful computations with PamApps (plugins) extend functionality from basic processing to sophisticated workflows

Simply right click to install



hypothesis generator

Version: 1
Knowledge Integration
R connection to create a hypothesis file with proteo...

Install



conditions with biological replication

Version: 6
Data Analysis
Compare conditions with biological replication...

Install



Two sample t-test

Version: 4
Data Analysis
Operator for performing a two sample t-test...

Install



Two Way ANOVA

Version: 2
Data Analysis
Operator for 2-way ANOVA...

Install

Get knowledge, by integrating other - omics databases , including public and private databases.



Phospho.EUM
A database of SITY phosphorylation sites



Human Protein Reference Database



PhosphoSite™

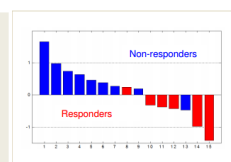
Accept or reject hypotheses using upstream kinases and/or pathways analysis diagrams. View response prediction biomarkers using waterfall graphs.



Upstream kinase



Pathways



Biomarker discovery

Get organized, upload and download to a database of images from multiple instrument runs, raw quantified data, processed data, data protocols, workflows.



Connect to BioNavigator Repository (i.e. database) server from any protected BioNavigator clients for uploading and downloading

Access to the PamCloud, a worldwide on-line community where we share knowledge and communicate with colleagues: share best practices, ask questions and get answers



Login to Pamcloud



PamForum,, a forum



PamWiki, a wikipedia